

日期: 17 JUN 2016

時限: 四十五分鐘

頁一至頁二/5

甲. 選擇題 12分 在適當的空格上加✓ 1分@

	1	2	3	4	5	6	7	8	9	10	11	12
A		✓		✓	✓		✓			✓	✓	
B			✓						✓			✓
C	✓							✓				
D						✓						

乙填充 30分 1.5分@

1	2	3	4	5
袁紹 ✓	官渡 ✓	烏巢 ✓	司馬昭 ✓	西晉 ✓
6	7	8	9	10
成都 ✓	司馬炎 ✓	劉禪 ✓	賈后 ✓	八王之亂 ✓
11	12	13	14	15
孫權 ✓	洛陽 ✓	晉懷帝 ✓	孫皓 ✓	建業 ✓
16	17	18	19	20
祖逖 ✓	桓溫 ✓	建康 ✓	楊堅 ✓	宋南北朝 ✓

丙 配對 6分 1分@

1	2	3	4	5	6
A ✓	D ✓	F ✓	B ✓	C ✓	E ✓

丁 排序 5分 1分@

1	2	3	4	5
A ✓	C ✓	D ✓	E ✓	C ✓

戊 問答 37分

1a 戰爭一 是赤壁之戰, 戰爭二 是淝水之戰。

b 這兩場戰爭都是以小製勝。淝水之戰利用內應, 東晉請求前秦往後退一點,

子子

得以渡河決戰，退後期間，軍中將士高呼「秦軍敗了」，東晉亦在此時乘機攻陷前秦，於是前秦^{士兵}全都逃走，於是大敗。 2

2aA 匈奴 / B 羌 / C 氐 / D 鮮卑 / E 羯
 b 西晉社會經濟嚴重破壞，^{皇室元氣大傷}，^{朝廷還沒有妥善安排}胡人的生活，導致西晉與胡人的誤會日漸增加，期後胡人入侵，但晉軍已無力反抗，最終被胡人滅國。 2

3 東晉得以偏安，因為先後是祖逖、桓溫知劉裕北伐，謝石、謝玄主領淝水之戰，以王導為丞相，謝安為帶領出兵打戰的將士。 1

4a (1) 東晉 / (2) 宋 / (3) 齊 / (4) 梁 / (5) 陳 /
 b 南朝的每個朝代執政時間都很短，每個皇帝都沒有處理政事，暴虐無道。

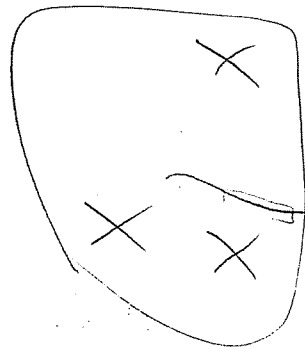
日期： 17 JUN 2016

五分鐘

- 學生須知：
1. 全卷佔九十分；考生必須全卷作答。
 2. 所有答案寫在答題紙上，字體必須清晰。

甲.選擇題 12分

1. 曹操採用了甚麼戰術，在官渡之戰中獲勝？
A 利用內應，擾亂袁軍的軍心。
B 乘袁軍渡河時加以截擊。
C 偷襲袁軍後方，燒燬其糧草。
D 以火攻燒燬袁軍的連環船。
2. 在曹操統一北方的同時，荊州屬何人的勢力範圍？
A 劉表 B 劉備 C 孫權 D 袁術
3. 下列哪一項，正確描述了赤壁之戰的後果？
(1) 奠定「三國鼎立」之基礎。
(2) 曹操勢力擴展至南方。
(3) 孫權在長江上游的地位得到鞏固。
(4) 劉備進據揚州等地。
A 只有(1) B (1)、(3) C (2)、(4) D (1)、(2)、(4)
4. 劉備的佔領了而下哪些地方，而得以稱帝建蜀？
(1) 荊州 (2) 益州 (3) 漢中 (4) 關中
A (1)、(2)、(3) B (1)、(2)、(4) C (1)、(3)、(4) D (2)、(3)、(4)
5. 孫權與劉備因爭奪下列哪處地方而失和？
A 漢中 B 關中 C 益州 D 荊州
6. 蜀漢建國後，劉備親自領攻吳，結果大敗於何處？
A 官渡 B 赤壁 C 襄陽 D 彝陵
7. 下列何者為三國建立的正確的先後次序？
A 魏→蜀→吳 B 魏→吳→蜀 C 蜀→魏→吳 D 吳→蜀→魏
8. 下列何者並非晉武帝的政治措施
A 大封宗室為王 B 裁減地方兵力
C 推崇「無為而治」 D 招納胡人內徙
9. 晉惠帝為以下何人所毒殺？
A 楚王瑋 B 趙王倫 C 汝南王亮 D 東海王越
10. 西晉末年，五胡中哪一族首先叛晉而獨立？
A 匈奴 B 鮮卑 C 羯 D 羌



11. 以下何者是東晉未能收復中原的主因？

- A 東晉缺乏良將
 B 東晉軍力薄弱
 C 東晉朝廷不支持北伐
 D 缺乏北伐的時機

12. 下列哪些是北魏孝文帝的漢化政策。

- (1) 推行王田制。
 (2) 鼓勵鮮卑人與漢人通婚。
 (3) 下令鮮卑人須改漢姓、穿漢服、說漢語。
 (4) 復行封建，分封諸王。
 A (1)、(2) B (2)、(3) C (2)、(4) D (3)、(4)

乙 填充 30分

- a. 公元 200 年，曹操與 袁紹 官渡 決戰於 官渡。曹操兵力雖少，但通過奇襲敵軍在 烏巢 的糧倉，結果以少勝多。
- b. 曹丕 於公元 220 年廢漢獻帝，稱帝建 魏，揭開了三國時代的序幕，其後劉備亦於 成都 稱帝，建立蜀漢。
- c. 公元 265 年，魏國大臣 司馬懿 篡位自立，建國號晉，是為武帝。
- d. 晉武帝的兒子 惠 帝生性癡愚，朝政被 賈 后 所把持，引起各封王不滿，於是爆發了晉室諸王爭權奪利的內戰，史稱 八王之亂。
- e. 西晉永嘉五年，匈奴人 劉 聰 派兵攻陷西晉首都 洛陽，俘虜 懷 帝北去，歷史上稱為永嘉之亂。
- f. 西晉滅亡後，晉室南遷，南北世族共同擁立 司馬睿，是為晉元帝，定都於 建康。
- g. 祖 逖 曾率兵北伐，收復了黃河以南大片土地；其後 桓 溫、劉裕相繼北伐，亦曾一度收復洛陽和長安。
- h. 南朝四代，首都均在 建康，只能控制長江下游一帶地方。南北朝後期，北周外戚 楊 堅 篡位自立，建立 隋 朝。

丙 配對 6分

試把左、右兩列的人和事互相配對。

- | | | |
|---------|-------|--------------------------|
| (1) 關羽 | (A) | A 劉備的部屬，鎮守荊州。 |
| (2) 司馬懿 | (D) | B 蜀漢的後主。 |
| (3) 劉表 | (F) | C 吳國將領，在赤壁擊敗曹操。 |
| (4) 劉禪 | (B) | D 晉武帝的祖父。 |
| (5) 周瑜 | (C) | E 匈奴貴族，起兵反晉，自稱漢王。 |
| (6) 劉淵 | (E) | F 東漢末年統治荊州地區。 |

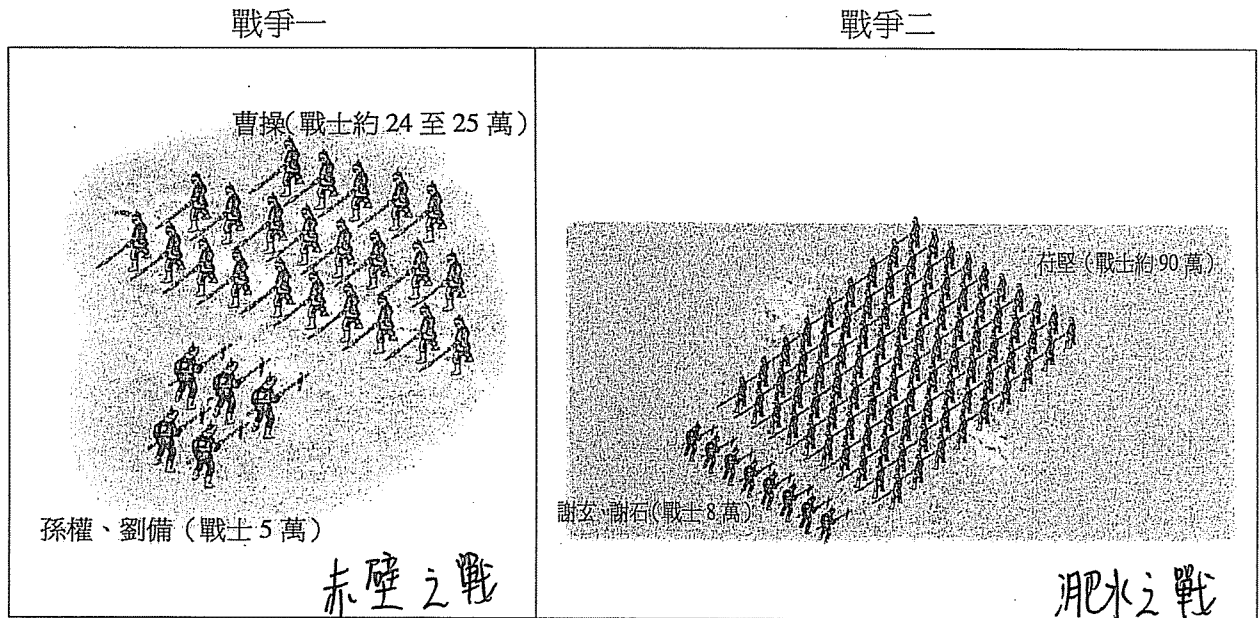
丁 排序 5分 按下列各項發生之先後次序，以英文代號重新排列。

- A 前秦統一北方
- B 永嘉之亂發生
- C 東晉建立
- D 劉裕篡晉，南朝開始
- E 匈奴軍攻入長安

B → E → C → A → D

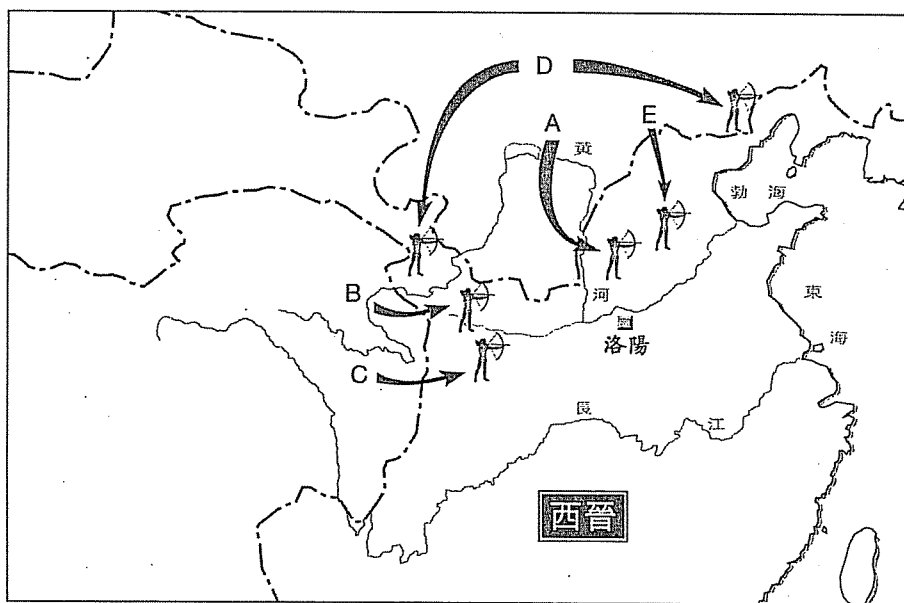
戊 問答題 37分

1. 以下圖表，反映魏晉南北朝時期兩場重要戰爭中的軍力對比，試細閱後回答問題。



- a 這兩場戰爭的名稱分別是甚麼。(4分)
- b 這兩場戰爭有何相似之處?(2分)試以戰爭二的情況來解釋勝方的取勝之道。(6分)

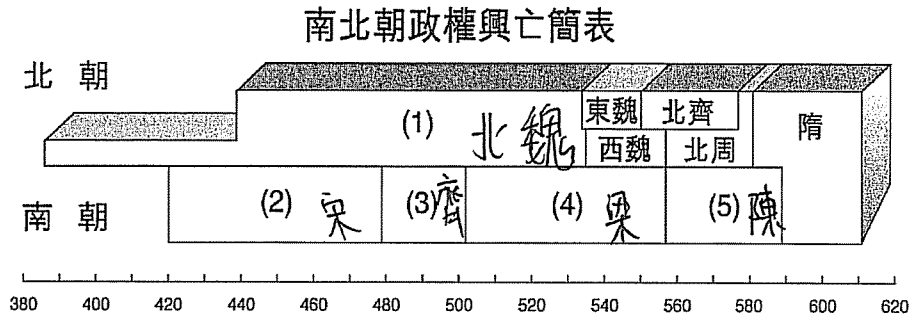
2. 以下地圖，展示西晉時期胡族內徙概況，試細閱後回答問題。



- a 試指出圖中的 A 至 D 項，代表的是哪些胡族。(4分) A: 匈奴 B: 羌 C: 氐 D: 鮮卑
- b 試分析胡族內徙與西晉滅亡的關係。(6分)

3. 試根據所學，分析東晉得以偏安的三個原因。(6分)

4.



a. 試填寫(1)至(5)項的政權名稱。(5分)

b. 南朝的政權興替情況有何特點?(4分)

試卷完

博愛醫院鄧佩瓊紀念中學
上學期考試 (2015-2016)
中一歷史

日期： 21 JAN 2016
時限：六十分鐘
(頁一至六/ 12)

考生須知：

- (一) 所有問題必須作答。
 - (二) 答案必須寫在答題紙上。
 - (三) 全卷總分爲一百分。
- *****

(一) 填充：在橫線上填上適當的字、詞或短句。(20分)

1. 製鹽、製石灰、____(a)____ 和 ____ (b)____ 是十八世紀時香港主要的農村工業。
2. 基督教的年曆是以____(c)____ 誕生爲起點的，早於這年的時期稱爲____(d)____，而在這年後出現的年份則稱爲 ____ (e)____。
3. 新月沃土位於底格里斯河和____(f)____ 河之間，被稱爲「____(g)____」。
4. ____ (h)____ 於公元前 3200 年統一埃及，並帶領古埃及進入黃金時代。
5. 古埃及人認爲國王是天神的化身，並尊稱他爲「____(i)____」，有「大宮殿」的意思。
6. 每年的____(j)____ 是記念媽祖誕辰的日子。

(二) 選擇題：在下列各題中選出正確答案，然後在答案欄內填上「✓」。(10分)

1. 按年代順序排列以下的年份。
 - i) 公元 600 年
 - ii) 公元前 500 年
 - iii) 公元前 85 年
 - iv) 公元 10 年

A. i, ii, iv, iii
B. iii, ii, iv, i
C. ii, iii, iv, i
D. iv, iii, ii, i
2. 下列哪一項活動與舊石器時代的人類有關？
 - A. 鑽木取火
 - B. 用陷阱捕捉野獸
 - C. 用羊毛製造衣服
 - D. 製造金屬工具

3. 下列哪一項不是在香港找到的出土文物和考古發現？
 - A. 銅製匕首
 - B. 秦朝兵馬俑
 - C. 漢墓
 - D. 史前石刻

4. 香港的史前時期於何時結束？
 - A. 當香港成為商朝的一部份後。
 - B. 當香港成為秦朝的一部份後。
 - C. 當香港成為元朝的一部份後。
 - D. 當香港成為明朝的一部份後。

5. 香港的本地人來自中國的哪些省份？
 - A. 山東和山西
 - B. 福建和廣東
 - C. 廣西和廣東
 - D. 湖南和湖北

6. 下列哪一項有關香港傳統農村學校的描述是不正確的？
 - A. 家長需要繳交學費。
 - B. 學生會學習儒家思想和書法。
 - C. 男生與女生一起上課。
 - D. 老師沒有固定的時間表。

7. 下列哪一個民系最先定居於香港？
 - A. 本地人
 - B. 客家人
 - C. 蛋家
 - D. 鶴佬

8. 先後經過多個民族入侵統治後，古埃及文明終於在公元前 332 年結束。以下哪個不是曾入侵古埃及的外族？
 - A. 波斯人
 - B. 希臘人
 - C. 羅馬人
 - D. 意大利人

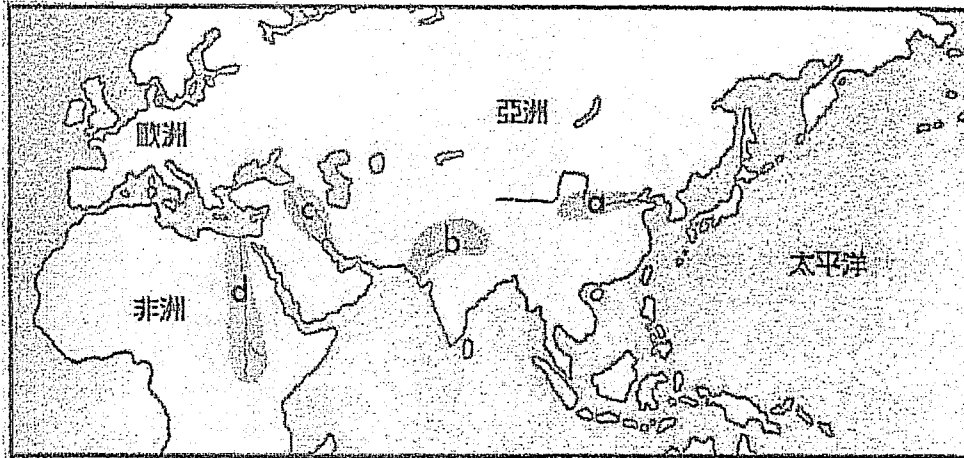
9. 下列哪一項不是一手史料？
 - A. 一份讀書報告
 - B. 一副石器時代「智人」的骸骨
 - C. 古羅馬的建築遺跡
 - D. 日記

10. 「二十世紀九十年代」是指哪一段時期？
- A. 2090—2099
 - B. 1900—1909
 - C. 1990—1999
 - D. 1900—1999

(三) 配對：為A欄及B欄有關的人和事配對起來，只須填寫英文字母。(10分)

A 欄	B 欄
1. 我是最早創造文字的人。	A. 馬灣人
2. 我生於南北朝時期，曾在香港弘揚佛法。	B. 鄧氏
3. 我們是最早定居於嶺南地區的人。	C. 達羅毗荼人
4. 我們較遲遷來香港定居，約在公元十七世紀時從中國南方而來。	D. 百越族人
5. 我們在公元前 5000 年已在香港生活，是香港最早期的居民。	E. 宋帝昺
6. 我因皇朝被推翻，被迫逃難到香港。	F. 廖氏
7. 我們的祖先聚居於錦田、元朗、大埔圍村，有族人曾被封為郡馬。	G. 客家人
8. 我剛研究到新的武器，就是弓箭呢！	H. 哈特薛普斯特
9. 我是古埃及的女國王。	J. 杯渡禪師
10. 我們生於公元前 3000 年，居於印度河附近，即現今巴基斯坦一帶。	J. 中石器時代的人
	K. 新石器時代的人
	L. 蘇美爾人
	M. 拉美西斯

(四) 地圖知識題：根據下列地圖，回答有關問題。(10分)



1. 完成以下有關古代四大文明的圖表。(6分)

位置	古代文明名稱
a	(i)
b	印度河流域文明
c	(ii)
d	(iii)

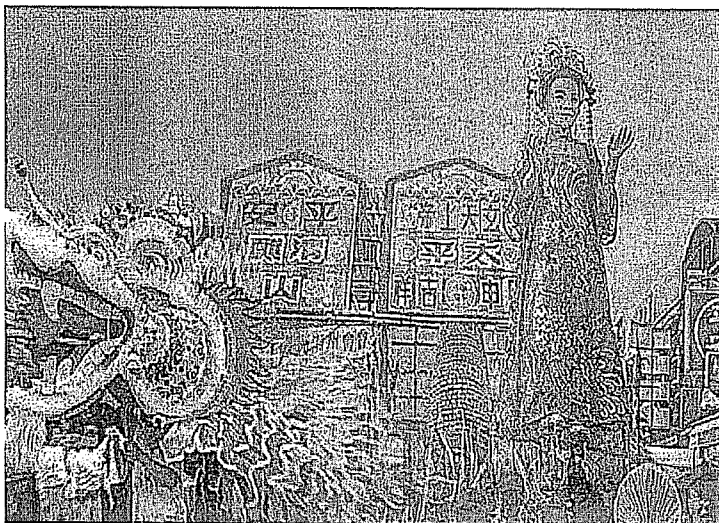
2. 以上四大文明中哪個是最古老的？(答案用字母表示) (1分)

3. 地圖所示的古代四大文明的發源地有甚麼共同特徵？ (3分)

(五) 資料題：根據下列資料及你的歷史知識，回答所有問題。(須用完整句子作答) (40分)

資料 A

根據下列資料，回答有關問題。



1. 資料 A 所示的是甚麼傳統習俗？ (2分)

2. 進行這傳統習俗的目的是甚麼？ (2分)

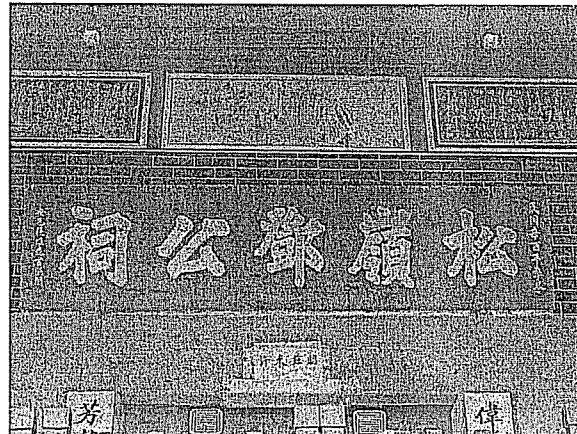
3. 舉出兩種在這習俗中常會舉行的娛樂活動。 (4分)

4. 這習俗每年會在哪裡舉行？ (2分)

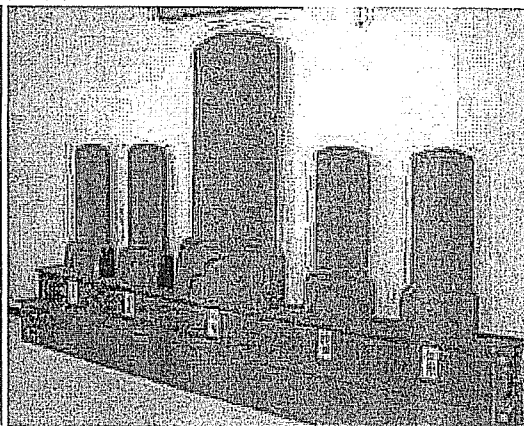
資料 B

根據下列資料，回答有關問題。

資料 I



資料 II

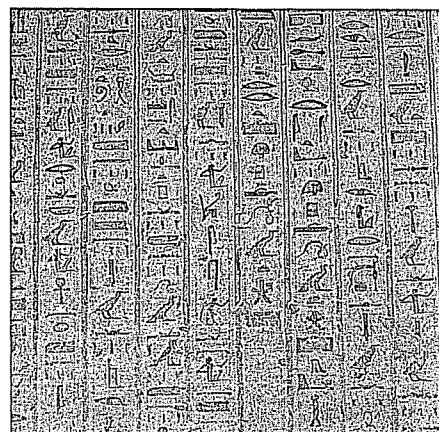


5. 資料 I 展示的是哪一種新界建築物？ (2分)
6. 資料 II 展示的東西是甚麼？ (2分)
7. 資料 I 的建築物在農村時期有着非常重要的功能，試列舉兩項與其有關的用途。(4分)

資料 C

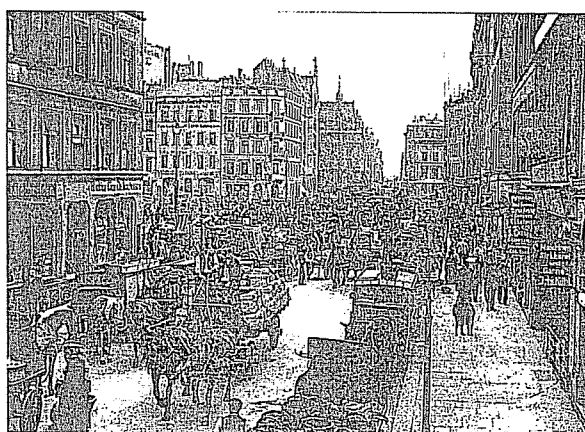
根據下列資料，回答有關問題。

圖一



古埃及的神碑體

圖二



十九世紀的歐洲城市

圖三



中國清代的官員

8. 試根據資料 C 各圖說明文明的特徵。 (6分)
9. 你認為香港是否一個文明的地方？試舉出兩個原因解釋你的答案。 (4分)

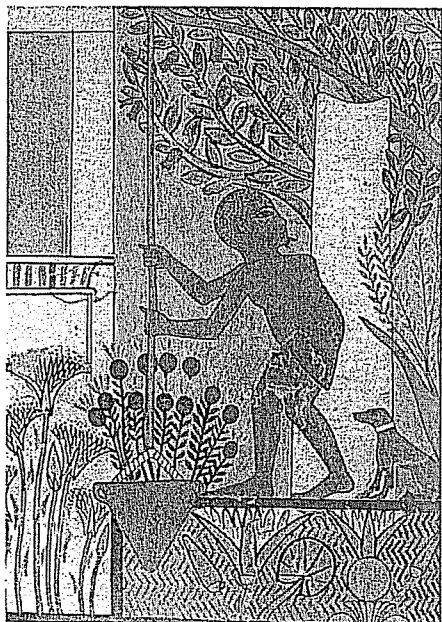
資料 D

根據下列資料，回答有關問題。

一首古埃及的詩歌：「河流 X 是我們糧食的提供者、慷慨的恩人，亦是一切美好事物的泉源。」

10. 詩歌中所指的河流 X 名字是甚麼？ (2分)
11. 從詩歌中，古埃及人認為河流 X 為他們帶來甚麼？ (2分)
12. 除了詩歌中所提及外，河流 X 還對古埃及人有甚麼用處？ (2分)

圖片一



古埃及人使用的一種農耕工具

13. 圖中的工具有甚麼用途？ (2分)
14. 試舉出兩種古埃及人常種植的農作物。 (4分)

(六) 議論題 (10分)

「古埃及的社會中，人人平等。」你認同這說法嗎？試提供三個論據加以解釋。

(註：答案需包括引言、論據及總結三部分。)

博愛醫院鄧佩瓊紀念中學
上學期考試 (2015-2016)
中一歷史
答案紙

(一) 填充：在橫線上填上適當的字、詞或短句。(20分)

(a) 耕種 ✓	(b) 養蠶 ✓	(c) 耶穌 ✓
(d) 公元前 ✓	(e) 信史 ✗ (公元後)	(f) 印度 ✗ (幼發拉底河)
(g) 沖積土 ✗ (新月沃土)	(h) 米尼斯 ✓	(i) 法魯 ✓
(j) 三月廿四日 ✗ (農曆三月廿三日)		

(二) 選擇題：在適當的正方內填上「✓」。(10分)

	1	2	3	4	5	6	7	8	9	10
A		✓					✓		✓	✓
B	✓		✓	(✓)	✓					✗
C	(✓)			✓		✓				(✓)
D				✗				✓		

(三) 配對：為 A 欄及 B 欄有關的人和事配對起來，只須填寫英文字母。(10分)

1. C ✗ L	2. I ✓	3. F ✗ (D)	4. D ✗ G	5. A ✓
6. E ✓	7. B ✓	8. K ✗ (J)	9. M ✗ H	10. L ✗ (C)

(四) 地圖知識題：根據下列地圖，回答有關問題。(10分)

1. 完成以下有關古代四大文明的圖表。(6分)

位置	古代文明名稱
a	(i) 新月沃土文明
b	印度河流域文明
c	(ii) 黃河流域文明
d	(iii) 尼羅(何)流域文明

黃河流域文明

新月沃土²流域文明

1/2

尼羅河流域文明

2. 新月沃土流域。 (C) 1分

3. 這古代四大文明的發源地是河谷。 3分

3

(五) 資料題：根據下列資料及你的歷史知識，回答所有問題。(須用完整句子作答)
(40分)

1. 資料 A 所示的是「打醮」的傳統習俗。 2分 2/

2. 進行的目的是祈求風調雨順。 2分 2/

3. 在習俗中常舉行搶包山、巡遊等。(每年巡遊) 4分 3/

4. 這習俗每年會在長洲舉行。 2分 2/

5. 資料 I 展示的是祠堂。 2分 2/

6. 資料 I 展示的是村落祖先的墓碑。(歷代祖先的神主牌) 2分 0

7. 在資料 I 的建築物中，村長會在這裏開會或當作審訊之用。 4分 4/

8. 文明的特徵是指有系統的文字、法律制度、宗教、教育和經濟發展。 1/

6分

9. 我認明香港是一個文明的地方，因為香港是一個城市，而且我們有文字、法律制度、宗教、教育和經濟。 4分 4/

10. 詩歌中所指的河流 X 是尼羅河流域。 2分 2/

11. 古埃及人認為河流 X 帶給他們糧食，亦為他們帶來美好。 2分 2/

12. 河流 X 還可以提供穩定的水源給他們。(方便運輸) 2分 0

13. 圖中的工具可以令泥土鬆化，令作物容易生長。(灌溉) 2分 0

14. 古埃及人常種植大麥和各種蔬菜。(小麥、葡萄) 4分 4/

(六) 議論題 (10分)

「古埃及的社會中，人人平等。」你認同這說法嗎？試提供三個論據加以解釋。

我不認同這說法。因為古埃及分了五級的人民，第一級是法魯，是地位最崇高的，而其次的是輔助大臣，是法魯的好幫手，而第三級的是官員、~~商~~士兵，第四級的是農民或平民，最後的是罪犯或奴隸。最低級的人是要受盡所有高級的指令，整天被士兵們守着，毫無自由。所以說「古埃及的社會中，人人平等」，我是非常不認同的，如果真的是人人平等，就不會分成五級身份的人，如果是人人平等的話，就代表人人都能享受高級的待遇。

答案紙完

博愛醫院鄧佩瓊紀念中學
下學期測驗 (2015-2016)
中一歷史

日期： 14 APR 2016

時限：三十分鐘

(頁一至四/ 12)

.....
考生須知：

- (一) 所有問題必須作答。
 - (二) 答案必須寫在答題紙上。
 - (三) 全卷總分爲八十分。
-

(一) 填充：在橫線上填上適當的字、詞或短句。(20分)

1. 約於公元前 3500 年，古埃及人發明了一種稱爲____(a)____的文字。這種文字約於公元前 1780 年被簡化爲____(b)____。
2. 古希臘人於公元前 776 年在希臘半島西南部的____(c)____舉行第一次古代奧運會。
3. 古埃及人用____(d)____造紙，並以其莖來造____(e)____。
4. 古埃及人發明了水鐘及____(f)____來計算時間，把每天分爲二十四小時。
5. 大獅身人面像約於公元前 2500 年興建，其樣貌是根據法魯____(g)____設計的。
6. 金字塔是古埃及一些重要人士的____(h)____。
7. 隨著被____(i)____人入侵，古希臘於公元前 1100 年至公元前 800 年間進入了歷史的____(j)____時期。

(二) 選擇題：在下列各題中選出正確答案，然後在答案欄內填上「✓」。(10分)

1. 歐洲最早的文明發源於以下哪一個沿海地區？
 - A. 黑海沿岸地區
 - B. 地中海沿岸地區
 - C. 紅海沿岸地區
 - D. 亞得里亞海沿岸地區
2. 在古埃及，一腕尺等如_____掌尺。
 - A. 5
 - B. 6
 - C. 7
 - D. 8

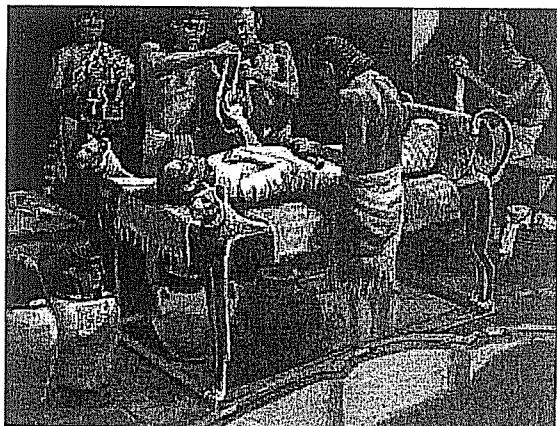
3. 下列哪一個名詞最適合形容斯巴達人？
- A. 學者
 - B. 建築師
 - C. 科學家
 - D. 戰士
4. 下列哪一位不是古埃及的神祇？
- A. 奧西里斯
 - B. 荷露斯
 - C. 阿蒙瑞
 - D. 雅典娜
5. 公元前 146 年，_____ 征服希臘，古希臘文明宣告結束。
- A. 古羅馬
 - B. 亞述
 - C. 波斯
 - D. 古埃及

(三) 配對：為A欄及B欄有關的項目配對起來，只須填寫英文字母。(10分)

A 欄	B 欄
1. 我是給予永生之神，掌管陰間的審判。	A. 阿蒙瑞
2. 我是馬其頓君主，於公元前 338 年征服希臘半島，成為半島的統治者。	B. 腓力二世
3. 公元前 1450 年我們征服了克里特島，結束了當時的文明。	C. 亞歷山大
4. 公元前 334-前 323 年期間，我建立了一個橫跨歐、亞、非三大洲的強大的希臘帝國。	D. 奧西里斯
5. 我們生於公元前 3000 年，是西方最早的文明的起源。	E. 米諾斯人
	F. 邁錫尼人
	G. 古埃及人

(四) 資料題：根據下列資料及你的歷史知識，回答所有問題。(須用完整句子作答)
(28分)

資料 I：古埃及人為死者進行特別的保存工序



資料 II：有關一個古埃及製作法的描述

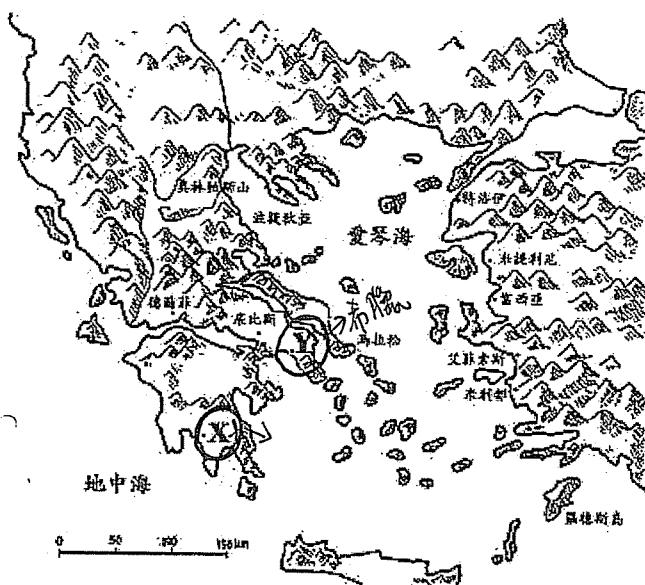
這是一個非常複雜的過程。他們首先清除死者的內臟，然後把藥物放進屍體內。……

1. 資料 I 與資料 II 的人在製作甚麼東西？ (2分)
2. 資料 II 提及的「他們」是指哪些人？ (2分)
3. 就你所知，為甚麼古埃及人要製作問題 1 提及的東西？ (4分)
4. 根據資料 II 並就你所知，為甚麼這東西能夠長期保存？試舉出三個原因。 (6分)

資料 III：有關古希臘文明的描述

它們各有自己的政府、軍隊和統治者。它們有時候會互相攻打，有時候會聯合對抗較強的敵人。它們當中以雅典、斯巴達、科林斯和奧林比亞最為著名和強大。

資料 IV：有關古希臘的地圖



5. 資料 III 中的「它們」是指甚麼？它們擁有甚麼特徵？ (2+4分)
6. 為甚麼「它們」會在古希臘出現？根據資料 IV 解釋你的答案。 (4分)
7. 辨別地圖上 X 和 Y 所分別代表的地方。 (4分)

(五) 議論題 (12分)

雅典和斯巴達是古希臘兩個截然不同的城邦。假如你出生於古希臘，你希望生活在上述哪個城邦？試以有關歷史資料解釋你的答案。

(註：答案需包括引言、論據及總結三部分。需提出三項論據。)

博愛醫院鄧佩瓊紀念中學
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中一歷史
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日期：14 APR 2016

時限：三十分鐘

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(一) 填充：在橫線上填上適當的字、詞或短句。(20分)

(a) 神碑體 ✓	(b) 僧侶體 (僧侶體) ✓	(c) 奧比利亞 ✓
(d) 蘆葦 ✓	(e) 船 (學) ✓	(f) 日晷 ✓
(g) 米尼斯 (卡夫拉) ✓	(h) 墓地 ✓	(i) 多利亞 ✓
(j) 黑暗 ✓		

(二) 選擇題：在適當的正方內填上「✓」。(10分)

	1	2	3	4	5
A					✓
B	✓	✓			
C					
D			✓	✓	

(三) 配對：為 A 欄及 B 欄有關的項目配對起來，只須填寫英文字母。(10分)

1. D ✓	2. B ✓	3. F ✓	4. C ✓	5. G (E) ✓
--------	--------	--------	--------	-----------------------

(四) 資料題：根據下列資料及你的歷史知識，回答所有問題。(須用完整句子作答)
(28分)

1. 資料 I 和資料 II 的人在製作木乃伊。 2分
2. 資料 II 提及的「他們」是指宙斯 ~~(祭司)~~。 2分
3. 因為古埃及人相信死後的人的靈魂仍然存在，亦讓他們在來生時重用自己的身軀。 4分
4. 因為宙斯會先將死者的內臟拿出，然後再把香料和藥物放進屍內，再用亞麻布包好，防止腐壞，所以木乃伊能長期保存。 6分

2
0
4
2
1
2

5. 資料Ⅲ中的「它們」是指古希臘。它們由多個城邦組成，各有自己的政府、軍隊和統治者。 6分 4
6. 因為「他們」是 150 個城邦之。因為希臘半島多山，交通和溝通困難，因此希臘人的聚落被分隔開，它們慢慢發展成城邦。 4分 0
7. 地圖上的 X 是斯巴達，而地圖上的 Y 是雅典。 4分 4

(五) 議論題 (12分)

雅典和斯巴達是古希臘兩個截然不同的城邦。假如你出生於古希臘，你希望生活在上述哪個城邦？試以有關歷史資料解釋你的答案。

(註：答案需包括引言、論據及總結三部分。需提出三項論據。)

古希臘由多個不同的城邦組成，而當中以斯巴達和雅典最為著名和強大。假如我出生於古希臘，我希望生活於斯巴達。 1

因為雅典的位置近海，可能常常遇上泛濫，導致作物失收，引致我需要捱餓，而斯巴達位於內陸平原，主要以務農維生。在政治方面，雅典雖然主張公民制，讓 20 歲以上的男性便可參加公民大會，但斯巴達是由 2 個國王、28 位長老統治，讓城邦不容易在自己的城邦內發生爭執。在教育方面，雅典注重教育，孩子至小就要被送到學校讀書，而斯巴達注重武功，所以孩子會被送到軍校接受訓練，增強他們的鬥志。 2 3

總括而言，我認為斯巴達是一個文明的社會，適合我居住，在這裏，我可以學會武功，遇到危險，也不害怕，所以我希望在斯巴達這個城邦生活。 1

博愛醫院鄧佩瓊紀念中學
下學期考試 (2015-2016)
中一歷史

日期：14 JUN 2016
時限：六十分鐘
(頁一至四/18)

考生須知：

- (一) 所有問題必須作答。
- (二) 答案必須寫在答題紙上。
- (三) 全卷總分爲一百分。

(一) 填充：在橫線上填上適當的字、詞或短句。(20分)

中央廣場

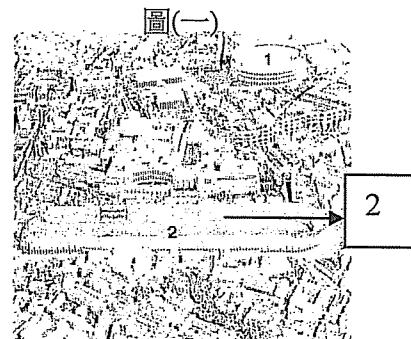
1. 羅馬城設有____(a)____和輸水管作輸送食水，另外亦設有____(b)____，作爲政府的辦公所，與及廟宇、市集的集中處。
2. 歐洲的封建制度是通過土(c)地分封而達到分(d)層管理的目標。
3. 中古時代的天主教會，規定人民繳交「____(e)____」爲捐獻。亦有權力決定人____(f)____的去向，所以連____(g)____都會服從教會的命令。
4. 羅馬的道路是爲了配合軍(h)事和貿(i)易方面的運輸。
5. 外(j)省人是被羅馬征服的外族人，在羅馬享有較少的權力。

(二) 選擇題：在下列各題選出正確答案，然後在答案欄內畫“✓”。(6分)

1. 以下哪一項不是修士每天要做的事？
A. 教導群眾讀書。
 B. 獨自四處報導福音，傳揚基督教及幫助他人。
C. 照顧老弱貧病，饑餓及過路的人。
D. 抄寫聖經及其他書籍。

2. 圖(一)顯示的建築2是進行哪項娛樂的地方。

- A. 賽馬車競賽
- B. 表演話劇
- C. 鬥士格鬥
- D. 市集



3. 在三次布匿克戰爭中，羅馬取得下列哪個地方的控制權？

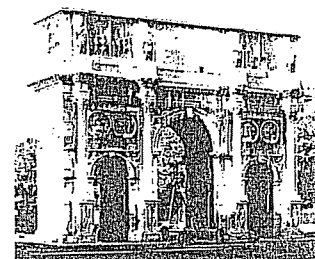
- i. 地中海沿岸
- ii. 高盧
- iii. 希臘
- iv. 小亞細亞

- A. i,ii,iii B. i, iii, iv C. ii, iii, iv D. i, ii, iii, iv

4. 圖(二)顯示的建築物是什麼名稱？並表現了哪種建築特色？

- A. 萬神寺；石柱
- B. 競技場；拱門
- C. 水道橋；石柱
- D. 凱旋門；拱門

圖(二)



5. 以下那項是對雅典的正確描述？

- i. 行民主制。
- ii. 最高領導人為護民官。
- iii. 重視教育。
- iv. 貿易發達。

A. i, ii, iii **(B) i, iii, iv** C. ii, iii, iv D. 以上全部皆是。

6. 西羅馬帝國被誰所滅？

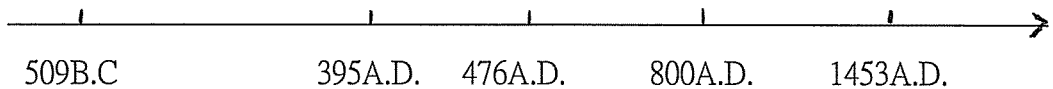
- ~~A. 伊特拉人~~
- B. 迦太基人
- (C) 日耳曼人**
- D. 土耳其人

(三) 我是誰：辨別這些人的身份或名字，並填在答案欄內。(10分)

- 1. 被授予「奧古斯都」的尊號，我感到十分光榮！ **屋大維**
- 2. 我到處行乞過活，傳揚基督，並幫助有需要的人。
- 3. 全因我停止逼害基督徒，才能令基督教能發揚光大呢！ **君士坦丁堡**
- 4. 我因戀上了埃及妖后，而失去我的領土，並賠上了生命。 **安東尼**
- 5. 我帶領我的大象軍團，差點兒攻佔羅馬。 **漢尼拔**

(四) 時序：把下列事件配上適當的年份，請以英文字母作答。(5分)

(A) 3 (B) 5 (C) 2 (D) 4 (E) 1



- 1. 東羅馬帝國滅亡
- 2. 中古時代開始 ✓
- 3. 羅馬共和國建立
- 4. 封建制度建立 ✓
- 5. 羅馬帝國分裂 ✓

(五) 改錯：閱讀以下文章，並更正橫線上的資料。(5分)

中古戰爭時期，貴族住在莊園，以防敵人入侵，多建在小山崗，四周有河流包圍。而騎士是中古時代最高階層的貴族，並要派兵為平民作戰。從少便接受軍事訓練，十四歲便被送都騎士家學習。

- 1. _____
- 2. 護城河
- 3. _____
- 4. _____
- 5. 七

(六) 歷史資料題：根據下列資料及你的歷史知識，回答所有問題。(須用完整句子答) (44 分)

資料一 (23 分)

圖 1

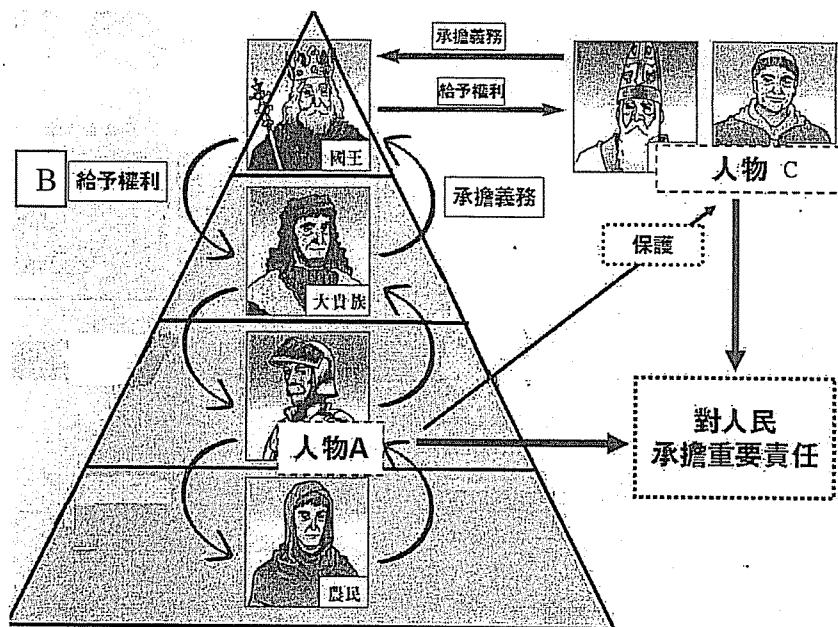
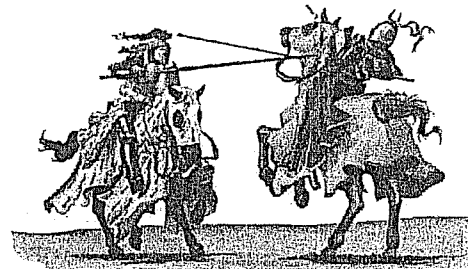


圖 2



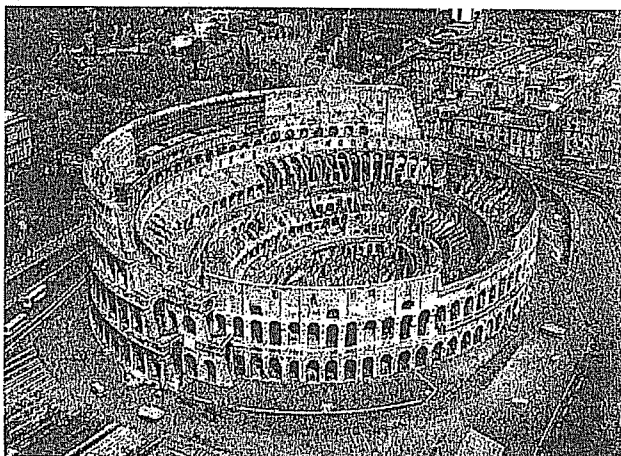
1. 請寫出圖 1 中古時代的制度之名稱。(1 分) **封建制度**
2. 根據歐洲當時的局勢，說明以上制度產生的原因。(2 分) **希望重新建立秩序**
3. 圖 1 的左方由上而下的 B「給予權利」是指甚麼權利?(2 分) **被分封、得到封土**
4. 承接第題 3，大貴族又要向國王承擔哪些義務?(3 分)
5. 圖 1 中人物 A 是哪個階級?(1 分) 他們必須要遵守哪個規條，並說明其中兩項內容。(1+2 分)
6. 請寫出圖 2 的活動名稱。(1 分) 人物 A 為何要參與此活動?(2 分)
7. 圖 1 中右方的人物 C 代表哪個團體?(1 分) 試舉出三點該團體對人民承擔的重要責任?(3 分)
8. 試就圖 1 的資料，你認為該制度有何利弊? 試引用圖片內容並加以分析。(2+2 分)
利: 明確分工、安份守己帶來穩定
弊: 劃分不同階層引致社會不公, 難以提升社會地位削弱人民上進心

資料二 (10 分)

奧理略皇帝時，引進蠻族加入軍隊，羅馬帝國軍隊的兵源逐漸依賴蠻族雇傭兵，羅馬人民也因為生活安逸，不願意加入軍隊，造成羅馬帝國兵源不足，反而更加深依賴蠻族兵源的情況。

9. 資料中顯示了哪個導致古羅馬帝國衰亡的原因? 試詳述之。(2 分)
10. 除資料二所示的原因外，運用你的歷史知識舉出兩個導致古羅馬帝國衰亡的原因。(6 分) **土耳其人**
11. 最後，東羅馬帝國被誰所滅?(2 分)

資料三 (11分)



12. 資料三顯示了古羅馬的哪個建築？(1分)

13. 這座建築物是用來舉辦哪項古羅馬娛樂？(1分) 誰是該項活動的表演者？(2分) 戰俘, 奴隸

14. 除資料三以外，多舉出兩種古羅馬人的娛樂？(2分)

15. 試解釋古羅馬娛樂發展的原因？(5分) 奴隸人擔了古羅馬的工作，因此羅馬人工作時間少，餘暇時間多，為了得到人民支持，所以舉辦免費娛樂。

(七) 論述題 (10分)

如果你是歐洲中古時期的城鎮居民，你會否對你的生活感到滿意？
試以社會地位、生活、衛生環境等因素加以分析。

試卷完

不滿意

社會地位: 是自由民

② 需要向貴族服役、效忠和繳稅

生活: 居住環境擠逼

衛生: 鄰居多缺乏衛生知識

博愛醫院鄧佩瓊紀念中學

下學期考試 (2015-2016)

中一歷史

答題紙

日期： 14 JUN 2016

時限：六十分鐘

(頁一至三/18)

1.(a) 水道橋 ✓	1.(b) 教會 ✗	2.(c) 國王 ✗
2.(d) 貴族 ✗	3.(e) 什一稅 ✓	3.(f) 死後 ✓
3.(g) 國王 ✓	4.(h) 糧食 ✗	4.(i) 戰爭 ✓
		5.(j) 迎太皇 ✗

(二) 選擇題：在適當的正方內填上「✓」。 (6分)

	1	2	3	4	5	6
A		✓	✓			✓
B	✓		✓		✓	
C		✓	✓			✓
D				✓		

(三) 我是誰? 辨別這些人的身份或名字，並填在答案欄內。 (10分)

1 屋大圍	2 苦行修士	3 羅馬國	4 安東尼	5 土耳其
-------	--------	-------	-------	-------

(四) 時序：把下列事件配上適當的年份，請以英文字母作答。 (5分)

1 A	2 B	3 D	4 C	5 E
-----	-----	-----	-----	-----

(五) 改錯：閱讀以下文章，並更正橫線上的資料。 (5分)

中古戰爭時期，貴族住在莊園，以防敵人入侵，多建在小山崗，四周有河流包圍。而騎士是中古時代最高階層的貴族，並要派兵為平民作戰。從少便接受軍事訓練，十四歲便被送都騎士家學習。

1. 城堡 ✓
2. 圍牆 ✗
3. 最低 ✓
4. 國王 ✓
5. 二十 ✗

(六) 資料題：根據下列資料及你的歷史知識，回答所有問題。(須用完整句子作答) (44分)

資料一 (23分)

1. 封建制度 1分
2. 由於當時沒有領主帶領，只靠不同的貴族帶領，這國家政治混亂，所以實行封建制度。 2分
3. 圖1的左方由上而下的B T給予權利，是指分封權利。 2分
4. 大貴族要進貢，帶兵打戰和管治分封的聖地。 3分
5. 圖1中人物A是騎士，他們要遵守「騎士精神」，他們要效忠貴族、國王和教皇，並且要鋤強扶弱。 1分
6. 馬上比武，他們當作娛樂或鍛鍊，一直處於備戰狀態。 2分
7. 代表着教會，他們會向國王提供意見有關於國家，決定人的永生和代表國家出使其他國家進行貿易。 3分
8. 我認為該制度可以分擔各階層的工作，但最終受苦的是農民，而且國家收稅會減少。 2+2分

資料二 (10分)

9. 羅馬帝國因欠於安逸，沒有認真處理政事，引致國力日衰。 2分
10. 另外，羅馬的東部和北部經常有蠻族人入侵，消弱國力，還有羅馬帝國向外族僱兵，但他們並非真心對待和作戰。 6分

11. 日耳曼 2分

資料三 (11分)

12. 競技場 1分
13. 鬥士格鬥，這是罪犯和奴隸的活動。 2分
14. 除資料三外，還有觀賞戲劇和去公共澡堂也是古羅馬人的娛樂。 2分
15. 古羅馬娛樂發展是因為他們平均只有一年需要工作，剩餘時間是收成時間或冬天，所以他們發展娛樂。 5分

(七) 論述題 (10分)

如果你是歐洲中古時期的城鎮居民，你會否對你的生活感到滿意？
試以社會地位、生活、衛生環境等因素加以分析。

如果我是歐洲中古時期的城鎮居民，我對我的生活感到
不滿意。因為在社會中的地位低，生活環境擠逼以及衛生情況差。

7 在社會中地位是最低的，導致生活困苦，環境擠逼，由於衛生
情況差，導致爆發「黑死病」，即是「鼠疫」，引致二千四百萬人受感
染而死亡。

所以，我不滿意城鎮的生活。

博愛醫院鄧佩瓊紀念中學
下學期考試 (2015-2016)
中一歷史 參考答案

(六) 資料題 (44 分)

問題一 (23 分)

1. 封建制度 (1 分)
2. 因中古的歐洲的局勢混亂，人們飽受戰爭的威脅。大家都希望重新建立秩序以維持和平 (2 分)
3. 被分封、得到封土 (2 分)
4. 要效忠國王、進貢和協助國王作戰 (3 分)
5. 騎士 (1 分)；騎士精神 (1 分)；效忠國王或領主 / 保護教會和婦孺 / 鋤強扶弱 / 奮勇作戰 (其中兩點) (2 分)
6. 馬上比武 (1 分) 保持強健的體格、處於高度的備戰狀態 (2 分)
7. 教會 (1 分) 建立法庭和法規維持法紀 / 保存古羅馬的學術文化 / 教導平民讀書 / 照顧老弱貧病 / 賑濟窮人 (任何 3 點) (3 分)
8. 利：明確分工、安份守己帶來穩定
弊：劃分不同階層引致社會不公，難以提升社會地位削弱人民上進心 (2 + 2 分)

問題二 (10 分)

9. 軍隊實力漸衰，並非真心效命，難以抵擋外敵 (2 分)
10. 羅馬皇帝久於安逸，沒有認真處理政事，令政治腐敗，國力日衰。 / 因軍人干預以武力擁立新君，使政局不穩，政變頻生，執政時間短促，對民生難有建樹。 / 貪污成風，社會面對經濟危機濫發錢幣，引致通貨膨脹，人民生活困苦，政府失去民心。 (其中兩點) (3 + 3 分)
11. 土耳其人 (2 分)

問題三 (11 分)

12. 羅馬競技場 / 競技場 / 羅馬鬥獸場 (1 分)
13. 鬥士格鬥 (1 分) 罪犯 / 奴隸 / 戰俘 / 基督徒 (其中兩項) (1 + 1 分)

14. 到公共澡堂、觀賞戲劇、賽戰車、其他合理答案 (任何兩點) (1 + 1 分)
15. 由於奴隸分擔了古羅馬人的工作，因此羅馬人工作時間少，餘暇時間多；此外，政府爲了得到人民支持，所以舉辦免費娛樂 (5 分)

(七) 論述題 (10 分)

如果你是歐洲中古時期的城鎮居民，你會否對你的生活感到滿意？

試以社會地位、生活、衛生環境等因素加以分析。 (10 分)

	感到滿意	感到不滿意
社會地位	<ul style="list-style-type: none"> • 可自力更生，以參與貿易、勞動工作維生 • 地位較農奴 / 自由農高 • 透過繳稅，向貴族換取自治權 	<ul style="list-style-type: none"> • 是自由民 • 仍需向貴族服役、效忠和繳稅
生活 (衣食住行)	<ul style="list-style-type: none"> • 有中央廣場，購物方便 • 娛樂豐富 	<ul style="list-style-type: none"> • 居位環境擠逼 • 街道暗、罪惡温床 • 屋以木建造，經常火災
衛生環境	-----	<ul style="list-style-type: none"> • 鄰舍多缺乏衛生知識 • 到處垃圾污水，衛生環境差 • 疾病容易傳播，如引致大型傳染病 (黑死病)

每點 3 分 (須加以說明)，能正、反立論 +1 分

22 JAN 2016

甲、多項選擇題(25分)

1. 下列哪項不是電腦系統的基本部件？
 - A. 中央處理器
 - B. Microsoft Windows
 - C. 硬碟
 - D. RAM
2. 下列哪項是鍵盤的连接埠？
 - (1) USB 埠
 - (2) VGA 埠
 - (3) PS/2 埠
 - A. 只有 (1) 和 (2)
 - B. 只有 (2) 和 (3)
 - C. 只有 (1) 和 (3)
 - D. (1)、(2) 和 (3)
3. 以下哪項是包含在系統組內？
 - A. 麥克風
 - B. 電源供應器
 - C. USB 快閃儲存器
 - D. 滑鼠
4. 下列哪項設備可用來貯存文件？
 - (1) ROM
 - (2) RAM
 - (3) 固態硬碟
 - A. 只有 (1)
 - B. 只有 (2)
 - C. 只有 (3)
 - D. 以上皆不是
5. 以下哪項有關中央處理器的描述是不正確的？
 - A. 中央處理器內設有控制部件
 - B. 中央處理器會直接在硬碟讀取資料
 - C. 中央處理器內設有算術及邏輯運算部件
 - D. 中央處理器內設有快取記憶體。
6. 下列哪項不是電腦的周邊設備？
 - A. 鍵盤
 - B. 滑鼠
 - C. 網絡攝影機
 - D. 硬碟
7. 下列哪項是相等於 3.4GHz？
 - A. 34MHz
 - B. 340MHz
 - C. 3400MHz
 - D. 340KHz
8. ALU 的英文全寫是？
 - A. arithmetic and local unit
 - B. addition and logical unit
 - C. additional and logic unit
 - D. arithmetic and logical unit
9. 下列哪項有關控制部件的陳述是正確的？
 - A. 它解譯從主記憶體所得的指令。
 - B. 它進行加減運算。
 - C. 它進行邏輯運算。
 - D. 它貯存了算術及邏輯運算部件的計算結果。
10. 不適當地超頻中央處理器的後果是甚麼？
 - A. 中央處理器的壽命會延長
 - B. 中央處理器會燒毀
 - C. 主機板運作時更涼快
 - D. 中央處理器核心數量會增加
11. ROM 的英文全名是？
 - A. Read-Once Memory
 - B. Record-Only Memory
 - C. Read-Only Memory
 - D. Record-Once Memory
12. 下列哪種記憶體暫時貯存指令？
 - (1) USB 快閃貯存器
 - (2) RAM
 - (3) ROM
 - A. 只有 (1)
 - B. 只有 (2)
 - C. 只有 (2) 和 (3)
 - D. (1)、(2) 和 (3)
13. 下列哪類記憶體有最高的讀取速度？
 - A. USB 快閃儲存器
 - B. 硬碟
 - C. 快取記憶體
 - D. 外置固態硬碟
14. BIOS 是被貯存在甚麼內？
 - A. ROM
 - B. RAM
 - C. DVD
 - D. CD
15. 下列哪項是 CD-RW 的典型存貯容量？
 - A. 700MB
 - B. 1024MB
 - C. 4.7GB
 - D. 470MB
16. 一個 8GB USB 快閃儲存器能貯存多少首 ^{4MB} ~~4MB~~ 的 MP3 檔案？
 - A. 2
 - B. 1024
 - C. 2000
 - D. 2048

17. 下列哪項貯存在硬碟中？

- (1) Microsoft Windows
(2) Microsoft Office
(3) BIOS

- A. 只有 (1) 和 (2)
 B. 只有 (1) 和 (3)
 C. 只有 (2) 和 (3)
 D. (1)、(2) 和 (3)

18. 下列哪項不是 DVD 的種類？

- A. DVD-ROM
 B. DVD-RM
C. DVD-RW
D. DVD-R

19. 下列哪項設備適合永久備份數據？

- A. USB 快閃儲存器
B. 固態硬碟
 C. DVD-R
D. 記憶卡

20. 數碼相機常會把圖像貯存在哪項貯存設備中？

- A. 硬碟
B. DVD-R
 C. 記憶卡
D. USB 快閃儲存器

21. E 道使用下列哪項設備？

- A. 指紋掃描器
B. 條碼閱讀器
C. 瞳孔掃描器
D. 鍵盤

22. 下列哪項最適合用於數碼資訊站？

- A. 掃描器
B. 數碼輸入板
 C. 觸式屏幕
D. 條碼閱讀器

23. 下列哪項設備適合盲人使用？

- (1) 揚聲器
(2) 觸式屏幕
(3) 麥克風

- A. 只有 (1) 和 (2)
 B. 只有 (1) 和 (3)
C. 只有 (2) 和 (3)
D. (1)、(2) 和 (3)

24. 激光打印機使用下列哪項物料來打印文本？

- A. 磁粉
B. 墨珠
C. 激光粉
 D. 碳粉

25. 下列哪項是高顯示器解像度的結果？

- A. 圖像會有更多色彩
B. 可顯示圖像更多的細節
 C. 顯示器顯示的圖像會較小
D. 顯示器顯示的圖像會較大

乙部、問答

1. 小芳是一名服裝設計師，她繪畫了大量的手繪圖。由於長時間存放手繪圖並不方便，她決定把它們轉換為數碼格式。

(a) 舉出可把手繪圖轉換為數碼格式的一個周邊設備。(1分) 掃描器

(b) 舉出一個可從數碼格式製作硬本的周邊設備。(1分) 打印機

小芳想把她的設計向顧客展示，她正考慮應使用平板電腦（例如 iPad）還是筆記簿型電腦。

(c) 描述一個使用平板電腦較為合適的情況，並扼要解釋你的答案。(2分)

(d) 描述一個使用筆記簿型電腦較為合適的情況，並扼要解釋你的答案。(2分)

顯示器較好

2. 志傑想替他的電腦進行升級，以提升電腦的處理能力。他決定選擇以下其中一種硬件以進行升級：

- 主記憶體
- 中央處理器
- 硬碟

(a) 志傑應選擇哪一種硬件進行升級？指出該種硬件的功能。(2分)

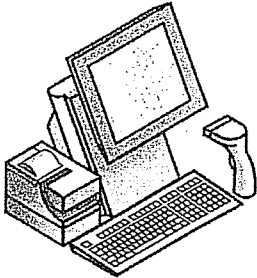
(b) 在 (a) 部分回答的硬件應具有甚麼特性？(2分)

(c) 若不對 (a) 部分回答的硬件進行升級，舉出一個可提高電腦處理能力的方法。(2分)

超頻

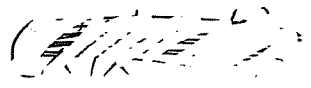
3. 完成頁一內的圖，以顯示一個電腦系統中不同設備之間的數據流動方向。(6分)

4. 倩文到某超級市場購物，下圖顯示了該超市其中一台銷售點終端機。



- (a) 指出用來掃描貨品的輸入設備。(1分)
- (b) 如果 (a) 部分回答的輸入設備無法運作，收銀員可怎樣取得貨品的資訊？(2分)
- (c) 寫出用來打印銷售發票的輸出設備。(2分)
- (d) 舉出一個使用 (c) 部分回答的輸出設備的優點。(2分)

博愛醫院鄧佩瓊紀念中學
二零一五至二零一六年度下學期考試
中一級地理科



日期：13 JUN 2016
時間：六十分鐘
頁數：頁一至頁七 / 02

學生須知：

1. 本卷總分為 80 分。
2. 本卷必須作答所有問題，所有答案寫在答題紙上。

一. 選擇題 (共 13 分 每題 1 分)

選擇最適當的答案，寫在答題紙上。

1. 以下哪項會影響一地的淨移民人數？

- i 出生人數
 - ii 死亡人數
 - iii 外來移民人數
 - iv 移民人數
- A 只有 i 和 ii。
B 只有 i 和 iv。
C 只有 ii 和 iii。
D 只有 iii 和 iv。

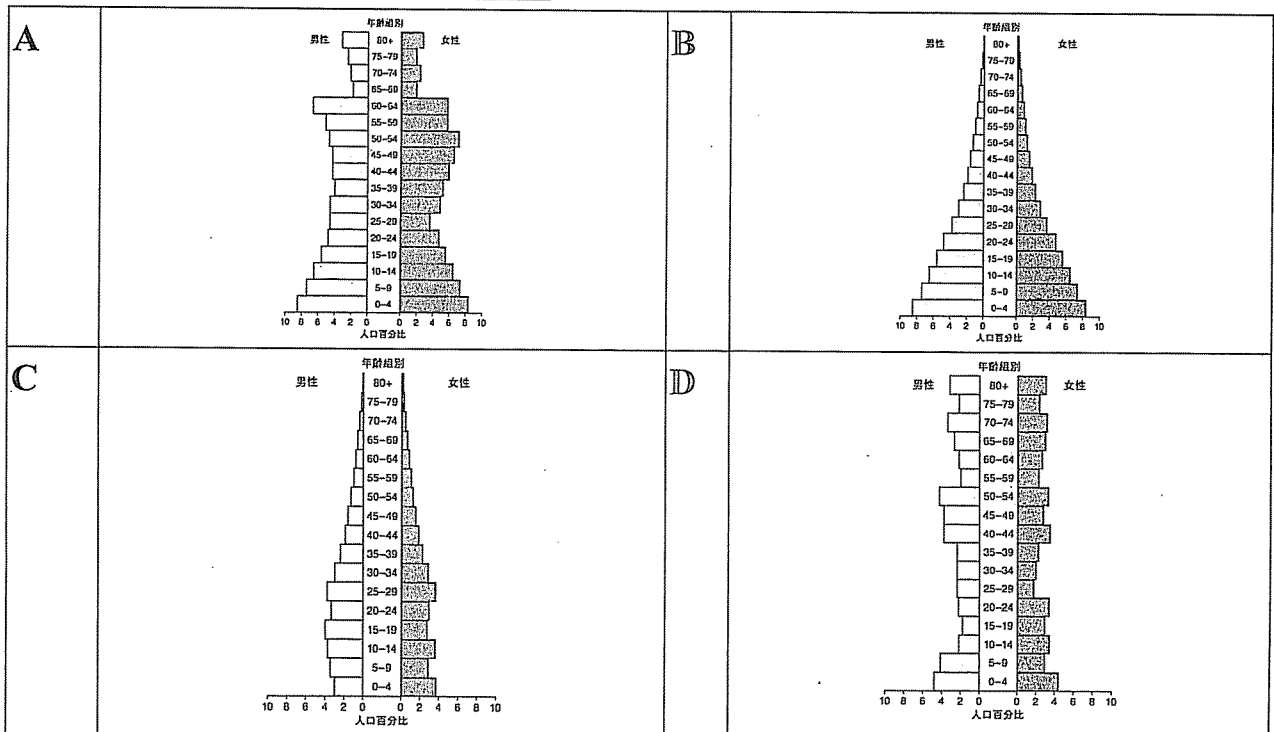
D

2. 以下哪項是影響中國人口增長的重要因素？

- i 自然災害 ✓
 - ii 計劃生育政策 ✓
 - iii 糧食供應 ✓
 - iv 經濟改革 ✓
- A 只有 i 和 ii。
B 只有 iii 和 iv。
C 只有 i、ii 和 iii。
D 全部。

D

3. 以下哪個人口金字塔最能反映埃塞俄比亞的人口結構？



4. 以下哪項可以顯示一地的人口結構？

- A 人口過渡模式
- B 依賴比率
- C 人口密度
- D 人口金字塔

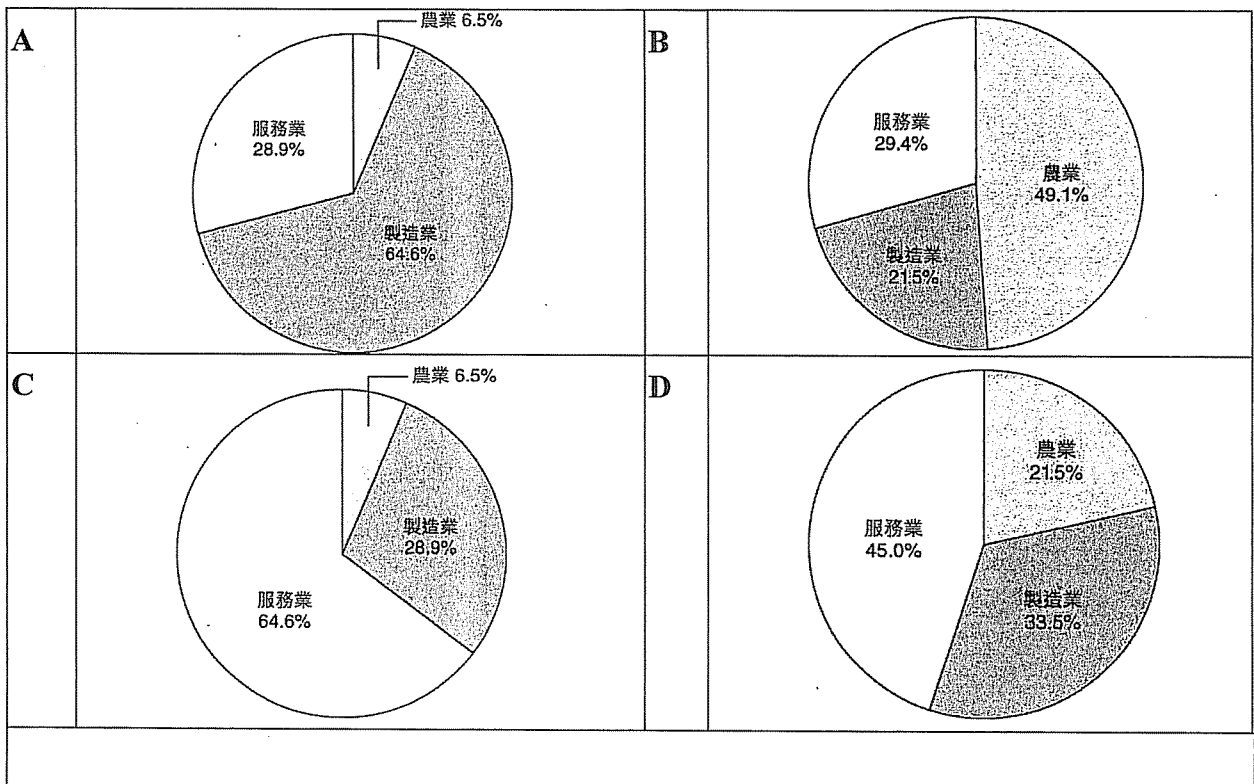
D

5. 在甚麼情況下一地會出現人口過多的問題？

- A 該地的人均資源低。
- B 該地人口稀疏。
- C 該地人口稠密。
- D 該地的人口超出土地的負載能力。

D

6. 以下圓餅圖顯示了四個的國家的就業結構。哪國人民的生產力最高？



A

7. 下表顯示 2011 年中國其中四個省份的出生率和死亡率。哪一個省份的自然增長率最高？

	省份	出生率 (每 1,000 人)	死亡率 (每 1,000 人)
A	遼寧	5.71	6.05
B	江蘇	9.59	6.98
C	江西	13.48	5.98
D	湖北	10.39	6.01

C

Z地概況

- 面積：105,400 平方公里
- 人口：6,323,420

- A 60 人/平方公里
- B 240 人/平方公里
- C 300 人/平方公里
- D 1,120 人/平方公里

A

9. 以下哪個中國城市的人口稀疏？

- A 廣洲
- B 拉薩
- C 上海
- D 深圳

B

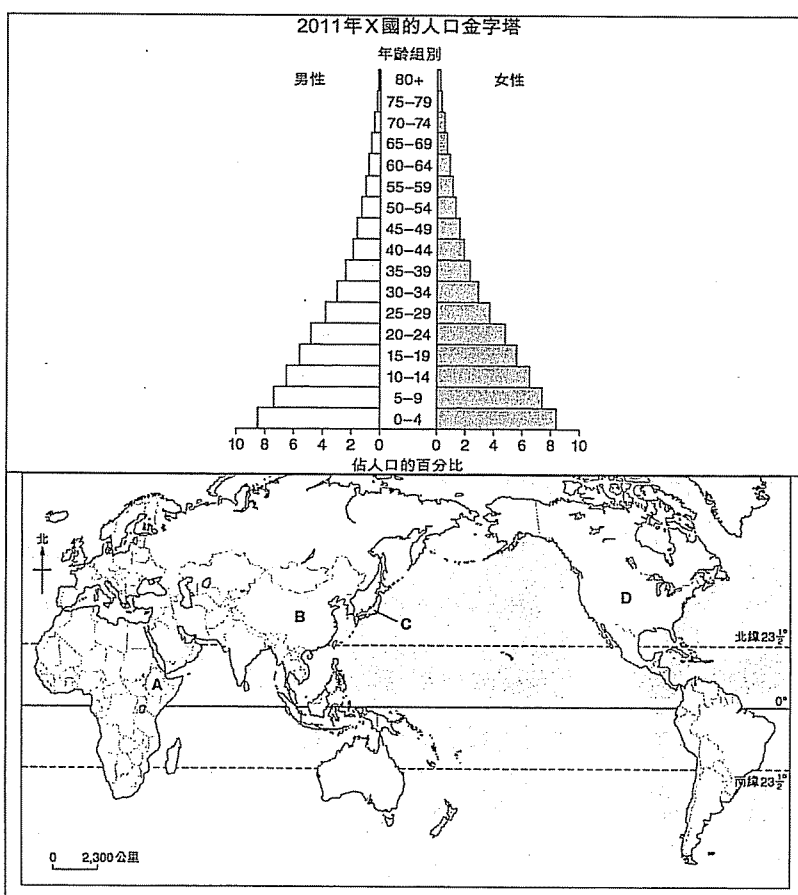
10. 北京的人口密度遠高於拉薩，因為

- i 北京的地勢較崎嶇； ✗
- ii 北京的氣候較有利農業發展；
- iii 北京有完善的運輸網絡；
- iv 北京的生活水平較高。

- A 只有 i 和 ii。
- B 只有 i 和 iii。
- C 只有 i、ii 和 iv。
- D 只有 ii、iii 和 iv。

D

11. 參閱以下 X 國的人口金字塔。X 國最有可能位於地圖上哪個地點？



12. 欠發達國家怎樣解決人口問題？

- i 推廣小家庭觀念
 - ii 宣傳家庭計劃
 - iii 教導農村村民避孕的方法
 - iv 提高女性的教育水平
- A 只有 i 和 ii。
 B 只有 iii 和 iv。
 C 只有 i、ii 和 iv。
 D 全部。

A

13. 以下哪項是較發達國家的特徵？

- i 文盲率高
 - ii 製造業和服務業的工作人口少
 - iii 人民的預期壽命長
 - iv 出生率維持在低水平
- A 只有 i 和 ii。
 B 只有 iii 和 iv。
 C 只有 i、iii 和 iv。
 D 全部。

B

二. 填充題 (共 16 分 每題 1 分)

1. 2015 年，__(a)__是世界上人口最多的國家。
2. __(b)__是指居住在一地的總人數。
3. 當一地的出生人數較死亡人數多，便會出現__(c)__。
4. __(d)__是指一地一年內每 1,000 人的嬰兒出生人數。
5. 人口金字塔可以劃分為兒童、成人和 __(e)^{老人} 三個年齡組別。
6. 成人能賺取收入以供養依賴人口，他們稱為 勞(f)動 人口。
7. 兒童和長者由工作人口供養，他們稱為 __(g)__人口。
8. __(h)__是指一地的人口遷往其他地方的情況。
9. 民眾會為開採資源而破壞自然環境，造成土地、空氣和水 污(i)染。
10. 為了減慢人口增長，中國政府在 1979 年實施了「一(j)孩 政策」。
11. 欠(k)發達國家最有可能出現糧食短缺或糧食安全問題。
12. 中國正處於人口過渡模式的第__(l)__階段。
13. 生(m)育 計劃包括指導民眾甚麼時候生育和使用避孕工具。這樣有助降低 出(n)生 率。
14. 每片土地都有資源。這些資源能養活特定數目的人口，並讓他們有合理的生活水平。這稱為土地的 __(o)__ 能力。
15. 人口密度即一地的人口與該地__(p)__的比率。

三. 配對 (共 5 分 每題 1 分)

以下列出了影響出生率上升或下降的因素。請把甲欄與乙欄配對，在答案紙上填上適當的英文字母答案。

甲欄	乙欄
1. 大家庭的傳統觀念 a	a. 出生率上升 b. 出生率下降
2. 生活開支龐大 b	
3. 婦女地位高 b	
4. 國家經濟依賴農業 a	
5. 醫療保健服務完善 a	

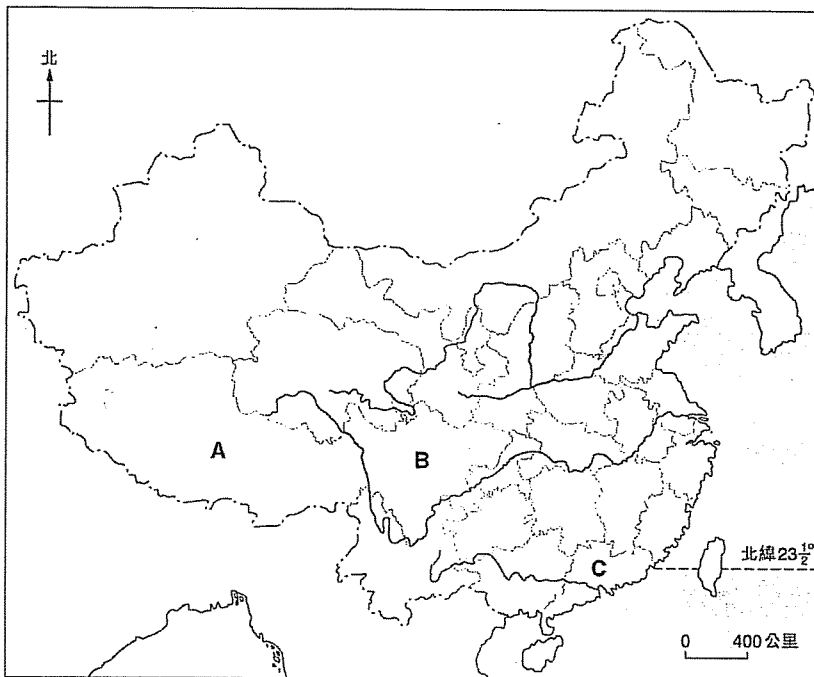
四. 短問答 (共 14 分)

回答以下問題。

- 寫出 兩項 影響中國人口分布的自然因素。(2 分 每項 1 分)
- 寫出 三項 近年來中國的死亡率維持在低水平的原因。(3 分 每項 1 分) 醫療科技發達,
- 寫出 三項 香港解決人口老化的方法。(3 分 每項 1 分) 鼓勵生育
- 寫出 三項 影響中國人口分布的社會經濟因素。(3 分 每項 1 分)
- 寫出 三項 中國實行一孩政策的問題。(3 分 每項 1 分)

五. 填圖題 (共 6 分 每個答案 1 分)

圖 1 顯示中國地圖。在表格內填寫西藏自治區、四川、廣東這些地區的位置，分辨該地區的人口是屬於高、中或低密度地區。



A = 西藏自治區
B = 四川
C = 廣東

圖 1

六. 資料題(共 26 分)

細閱下列資料，並回答有關問題。

1. 圖 1 顯示中國 P 和 Q 兩地的位置。圖 2a 和 2b 分別顯示在 P 和 Q 地拍攝的照片。細閱以下資料，然後回答問題。(共 13 分)

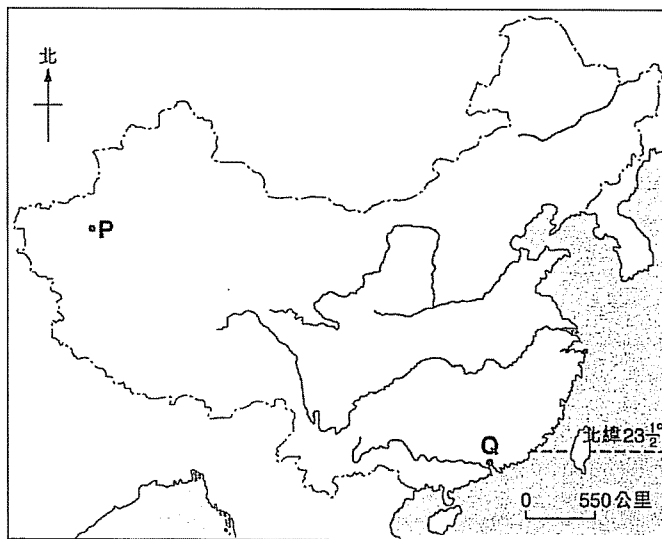


圖 1

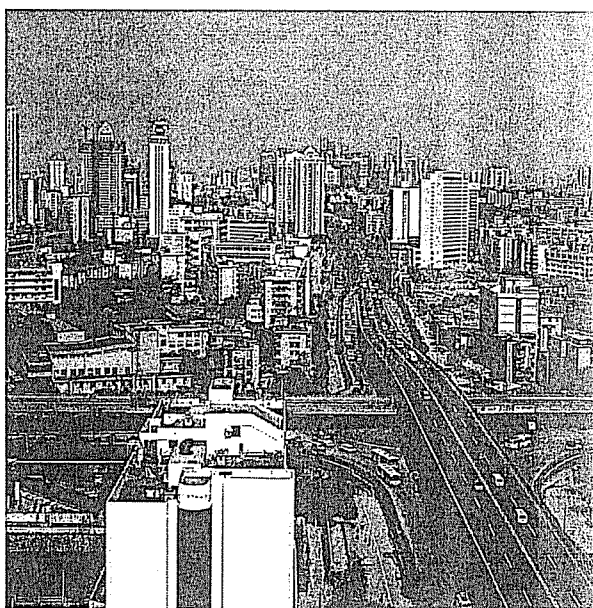


圖 2a

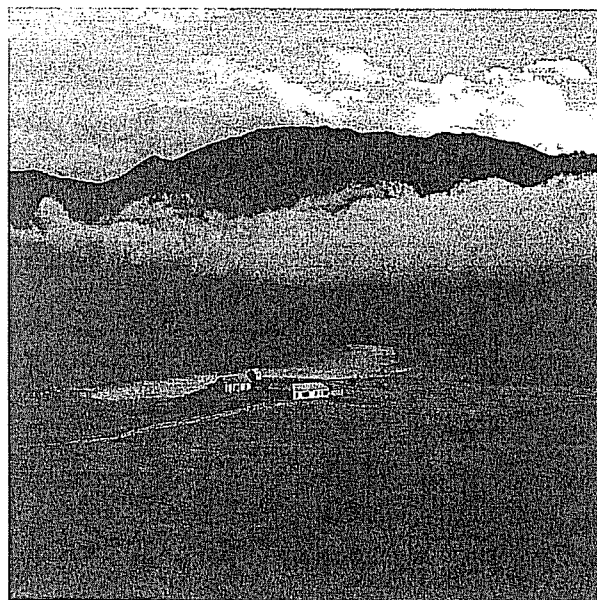


圖 2b

- a. 將圖 1 的 P 地和 Q 地與圖 2a 和 2b 配對。(2 分 每項 1 分) P=2b, Q=2a
- b. P 地和 Q 地分別面對甚麼人口問題? 各列出兩項。(4 分 每項 1 分) P=
- c. 中央政府採取了甚麼措施以解決人口增長問題? 寫出四項。(4 分 每項 1 分) 計劃生育
- d. 你認為將居民由人口稠密地區遷移至人口稀疏地區，是解決中國人口問題的良方嗎? 為甚麼? (3 分 每項 1 分)

2. 圖 1 顯示 2012 年乍得的人口金字塔。(共 13 分)

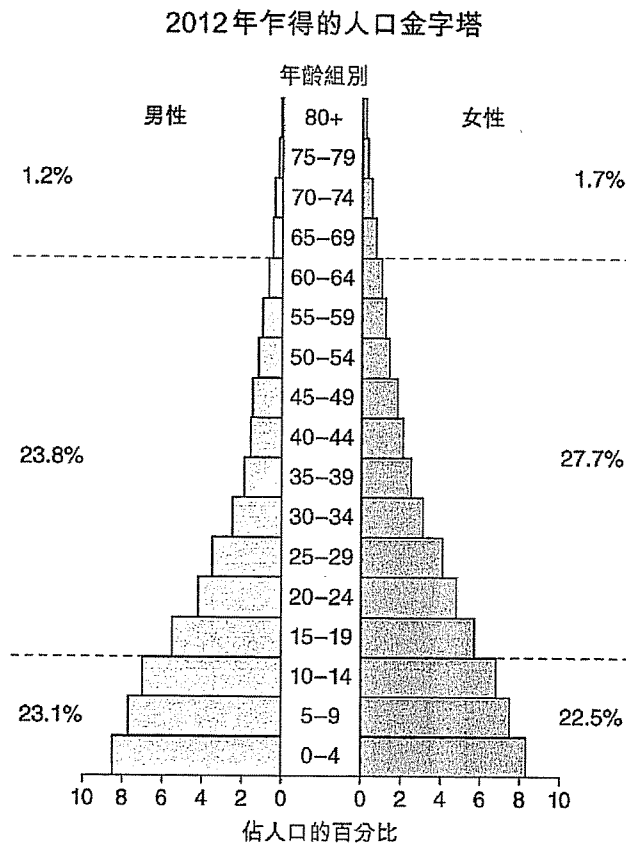


圖 1

- a. 寫出以下年齡組別的名稱。
 - i. 0 至 14 歲 (1 分)
 - ii. 15 至 64 歲 (1 分)
 - iii. 65 歲或以上 (1 分)
- b. 描述乍得的人口金字塔的形狀。(2 分 每項 1 分)
- c. 乍得的人口有甚麼特點? (3 分 每項特點 1 分)
- d.
 - i. 計算 2012 年乍得的依賴比率。列出你的計算步驟。(2 分 每項 1 分)
 - ii. 這樣的依賴比率會怎樣影響乍得的經濟增長? (3 分 每項 1 分)

試卷完

博愛醫院鄧佩瓊紀念中學
二零一五至二零一六年度上學期考試
中一級地理科

日期： 21 JAN 2016

時間： 六十分鐘

頁數： 頁一至頁六/02

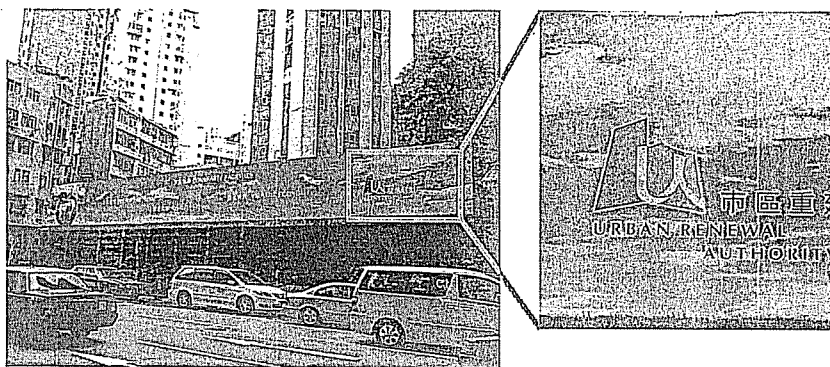
學生須知：

1. 本卷總分爲 80 分。
2. 本卷必須作答所有問題，所有答案寫在答題紙上。
3. 請用 完整句子回答 問題。

一. 選擇題 (共 14 分 每題 1 分)

選擇最適當的答案，寫在答題紙上。

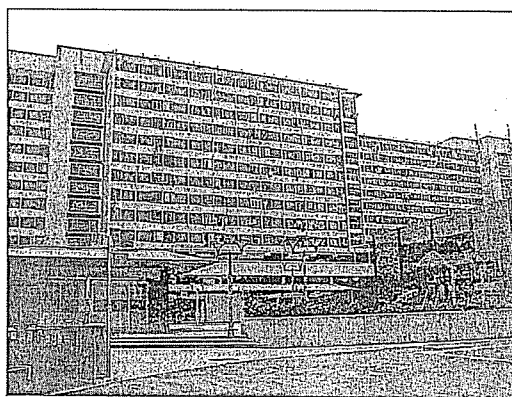
1. 以下攝於灣仔的照片顯示解決香港土地利用衝突的方法。這個方法是甚麼？



- A 把土地改變成綠化帶
- B 在這裏發展新市鎮
- C 在這裏進行填海供市區發展
- D 在這裏進行市區重建

D

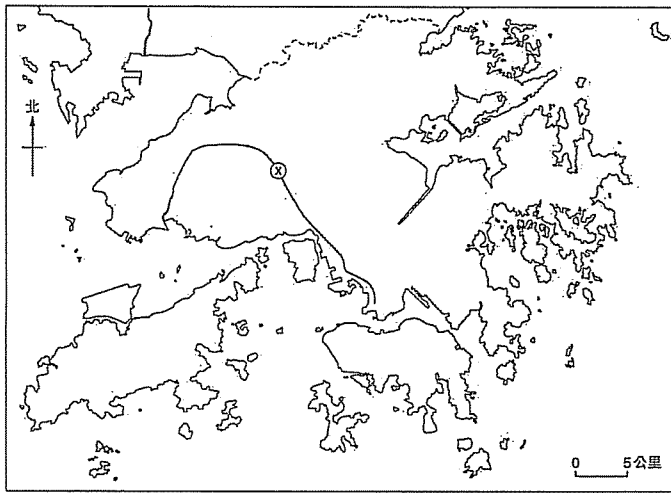
2. 細閱照片。以下哪項描述是正確的？



- A 這是中收入住宅區。
- B 這是商業中心區。
- C 這區是混合土地利用。
- D 這是低收入住宅區。

C

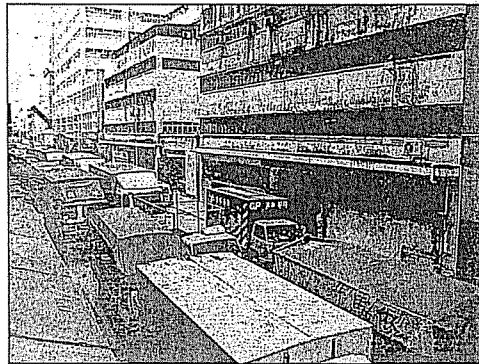
3. 細閱下圖。X 代表港鐵哪條路線？



- A 東鐵綫
- B 西鐵綫
- C 馬鞍山綫
- D 輕鐵

B

4. 以下是陳先生在住所附近拍攝到的照片。照片顯示這地區有甚麼土地利用衝突？



- i 空氣和噪音污染 ✓
 - ii 不同收入人士之間的衝突增加
 - iii 交通擠塞 ✓
 - iv 租金高昂
- A 只有 i。
 - B 只有 i 和 iii。
 - C 只有 ii 和 iii。
 - D 只有 i、iii 和 iv。

B

5. 在發展元朗新市鎮以前，當地主要用作

- i 農地；
 - ii 魚塘；
 - iii 郊野公園。
- A 只有 i 和 ii。
 - B 只有 i 和 iii。
 - C 只有 ii 和 iii。
 - D 全部。

A

6. 以下哪些是污染的例子？

- i 汽車排放黑煙
 - ii 垃圾在海上漂浮
 - iii 兩人在郊野公園內談話
- A 只有 i。
B 只有 ii。
C 只有 i 和 ii。
D 全部。

C

7. 以下哪個地區的人口密度最高？

- A 旺角
B 淺水灣
C 大埔
D 東涌

A

8. 以下哪些是香港城市問題的主要原因？

- i 人口龐大，且分布不平均
 - ii 車輛數目增長迅速
 - iii 工廠數目不斷上升
- A 只有 i 和 ii。
B 只有 i 和 iii。
C 只有 ii 和 iii。
D 全部。

A

9. 以下哪項不是低收入住宅區鄰近工業區的原因？

- A 工廠可方便聘請工人。✓
B 工業區和住宅區都需要交通方便的地方。
C 過往的城市規劃不完善。✓
D 這兩種土地利用並沒有衝突。

D

10. 以下哪項不是解決香港土地利用衝突的方法？

- A 重建舊市區 ✓
B 城市規劃 ✓
C 填海造地 ✓
D 家庭計劃

D

11. 發展集體運輸系統有甚麼好處？

- i 減少空氣污染
 - ii 減少噪音污染
 - iii 提供便捷的交通服務 ✓
- A 只有 i 和 ii。
 B 只有 i 和 iii。
 C 只有 ii 和 iii。
 D 全部。

B

12. 以下哪個國家的人口密度最低？

	國家	人口	面積 (平方公里)
A	加拿大	34,108,752	9,984,670
B	日本	127,450,459	377,940
C	新加坡	5,076,700	710
D	紐西蘭	4,367,800	267,710

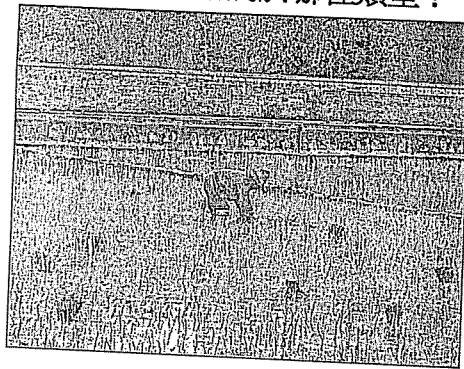
D

13. 以下哪項不是農業系統的人文投入？

- A 平地
- B 資金
- C 機器
- D 殺蟲劑

A

14. 以下照片攝於南中國。照片顯示的農業活動屬於哪種類型？



- A 混合農業
- B 粗放式農業
- C 耕作農業
- D 畜牧業

C

二. 填充題 (共 14 分 每題 1 分) 在答題紙上寫上適當的答案。

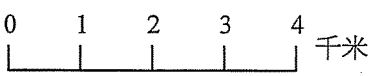
1. 一個農業系統包括 (a)、(b) 和 (c) 三部分。投入 生產 產出
2. 農業包括種植 (d) 和飼養 (e)。
3. 農民為民眾生產 (f)，也可以為工業提供 (g)。
4. 如果一地的 (h) 太短，就不適合耕作。
5. 政府成立了 (i) 署來推動環境保育。環保
6. 天津「(j) 城」和香港的新市鎮相似，在保護環境和經濟發展之間取得更佳平衡。
7. 完善的土地利用規劃可避免很多 (k) 問題。
8. 城市可持續發展的三項原則是 (l) 公平、(m) 發展、(n) 保護。
社會 經濟 環境

三. 配對 (共 8 分 每題 1 分)

A. 請把 A 欄與 B 欄作出配對，在答案紙上填上適當的英文字母答案。

A 欄 (農業類型)	B 欄 (描述)
1. 集約式農業	a. 農業產出主要用作銷售
2. 低科技農業	b. 農場面積小，投入量高
3. 自給農業	c. 只飼養牲畜
4. 商業農業	d. 在同一農場種植作物和飼養牲畜
5. 畜牧業	e. 農場產出主要供農民和家人食用
	f. 採用簡單的工具和傳統的耕作方法

B. 請把甲欄與乙欄配對，在答案紙上填上適當的英文字母答案。

甲欄	乙欄
1. 分數比例尺	a. 1 厘米代表 30 米
2. 說明式比例尺	b.  千米
3. 直線比例尺	c. 1:50 000
	d. $\frac{1}{10000}$

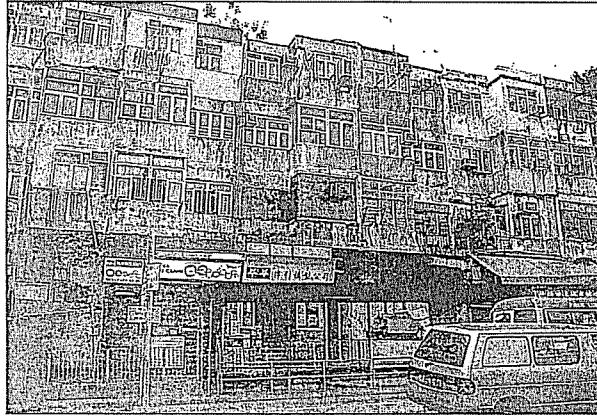
四. 短問答 (共 14 分) 回答以下問題。

1. 寫出 三項 糧食供應不足會出現的問題。(3 分 每項 1 分)
2. 寫出 三項 農業自然投入的例子。(3 分 每項 1 分)
3. 解釋甚麼是城市的人口密度。(2 分)
4. 寫出 三項 政府解決中環區租金上漲問題的方法。(3 分 每個方法 1 分)
5. 為了紓緩舊市區內過密的人口，政府發展了九個新市鎮。試寫出其中 三個 新市鎮。
(3 分 每個新市鎮 1 分)

元朗, 天水圍, 荃灣

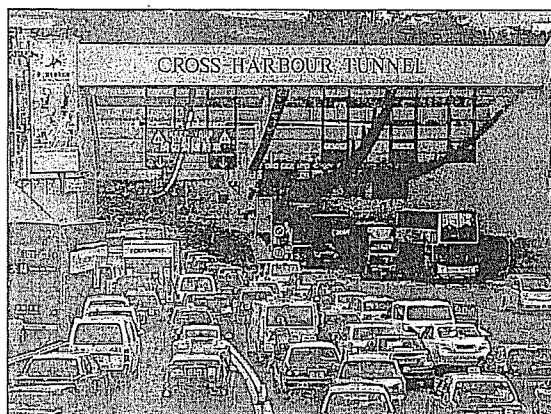
五. 資料題(共 30 分)

1. 以下照片顯示了香港一些舊樓宇。(共 15 分)



- a. 描述照片所示的樓宇和附近的環境。(6分 每項描述 2分)
- b. i. 你認為這照片是在觀塘還是九龍塘拍攝的?(1分)
ii. 我們還可以在香港哪些地區找到這類型樓宇? 列出其中兩個。(4分 每個地區 2分)
- c. 香港特區政府可以怎樣改善這區的居住環境?(4分 每項 2分)

2. 細看以下照片。(共 15 分)



- a. 列出照片所示的城市問題。(1分)
- b. 解釋上述問題出現的三個原因。(6分 每個原因 2分)
- c. 類似的城市問題也在中環出現。為了解決這城市問題，香港特區政府已經在中環開展了填海工程。填海工程可怎樣解決上述的城市問題?(2分)
- d. 除了填海，試建議另外三個方法來解決上述的城市問題。(6分 每個方法 2分)

全卷完

博愛醫院鄧佩瓊紀念中學
下學期考試 (2015-2016)
中一 中國語文卷二

日期：08 JUN 2016

時限：75 分鐘

(頁 1-6/3)

學生須知：

- 1) 全卷 120 分滿分。本卷分甲、乙兩部份，甲部佔 90 分，乙部佔 30 分。
- 2) 所有題目必須作答，甲、乙部答案均須於答題簿作答。
- 3) 用藍色或黑色圓珠筆書寫，字體要端正、清楚。

甲部 作文 90分

下列三題，任選一題，寫一篇不少於400字的文章，標點符號計算在內。
文章寫在答題簿上，無須抄題目，只須列明題號。

一、那一次，我錯了

在文中敘述事件的原因、經過、結果，抒發自己的體會

二、校園的清晨

描寫清晨校園不同的人、植物、動物的情況

三、飼養_____的方法

請填上一種寵物的名稱，談談飼養該種寵物需注意的地方

乙部 實用文寫作 通告 30分

題目：細閱以下海報，然後以啓明中學書法學會主席陳家明的名義，擬定一則通告，介紹這項比賽的細則，並呼籲同學積極準備。

全校毛筆書法比賽



日期：2016年5月18日（星期五）

時間：下午四時三十分

地點：各班教室

書寫內容：當場規定

物品提供：墨、紙張由學校統一提供，請自行準備書寫工具

評選方法：比賽分初級組和高級組，每班評選三幅最佳作品參加總評選

獎項：每個組別設冠、亞、季軍及優異獎三名

POK OI HOSPITAL TANG PUI KING MEMORIAL COLLEGE
FIRST TERM EXAMINATION (2015-2016)
S1 ENGLISH LANGUAGE I
WRITING
QUESTION PAPER

Date: 14 JAN 2016

Time allowed: 60 minutes

(PP.1-3/23)

Instructions:

- 1) The total mark is 100.
- 2) The paper is divided into two sections, namely,
Section I: **Short Tasks (30 marks)** and Section II: **Extended Writing Task (70 marks)**.
- 3) Write neatly and clearly in the spaces provided on the **Answer Sheets**. Answers written in the Question Paper will **not** be marked or given any marks.
- 4) You are advised to spend 20 minutes on Short Tasks and 40 minutes on Extended Writing Task.
- 5) Leave some time to proofread your work before submission.

.....

Section I

Short Tasks (30 marks)

In this section, you are required to complete **three** short tasks.

Task 1 (10 marks) Word Order

The words in the sentences below are mixed up. Put the words in the correct order. Add punctuation marks and **CAPITALIZE** words where necessary. An example is given for you.

Example: always / a holiday / rains / it / we / when / have

It always rains when we have a holiday.

- 1) are / we / watching / a / home / movie / at
2 1 3 4 7 5 6
- 2) in / kitchen / is / some / making / the / mum / popcorn
6 8 2 4 3 7 1 5
- 3) not / work / Dad / is / from / home
3 6 1 2 5 4
- 4) are / to meet / going / him / for / later / we / dinner
2 4 3 5 6 8 1 7
- 5) raining / i / it / stop / hope / will
1 3 5 2 4

Task 2 (12 marks) Short Writing

You are writing a report about students' favourite festivals. Use the information from a class survey to write your report.

Class Survey Results: Students' Favourite Festivals	
Class: 1B	No. of students: 32
Students favourite festival: Chinese New Year (18 votes)	
Reasons for liking this festival:	
<ol style="list-style-type: none"> 1. receive red packets from relatives 2. don't need to go to school 	
Activities they like to do:	
<ol style="list-style-type: none"> 1. put up decorations – looks nice 2. go to the flower market 3. visit relatives 	

Task 3 (8 marks) Proofreading

Correct the mistakes according to the following instructions:

- **Underline** a word that is incorrect and write a correct word above it.
- Mark the position of a missing word with a “^” and write the missing word above it.
- Put a cross ‘X’ on the extra word.

REMEMBER! There is only ONE mistake in EACH NUMBERED line.

Section II

Long Task (70 marks)

In this section, you are required to write an essay in about 150 words.

You are Julia. Yesterday you got an email from your friend, May, in Hong Kong. Read her email and write a reply to the letter. Choose some activities from the choices below. You can think of your own activities.

Hi Julia,

How are you? I'm glad to hear that you had a wonderful time in Macau.

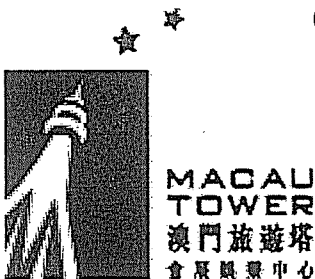
Guess what? Dad has finally bought a new phone. Now, you can message me anytime! I've been asking him for a better phone all year. He finally got me the phone because I did well on my mid-term exams.

Tell me about your trip to Macau. Who did you go with? What did you buy while you were there?

Regards,

May

Things to do in Macau



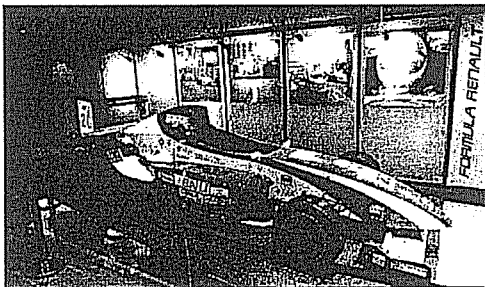
Macau Tower

- Bungy Jump
- Sky walk
- Tower climb



The House of Dancing Water

- Spectacular water show
- Amazing dance performances
- Brilliant production



Macau Grand Prix Museum

- History of the international racing event
- Sports car exhibition

POK OI HOSPITAL TANG PUI KING MEMORIAL COLLEGE
FIRST TERM EXAMINATION (2015-2016)
S1 ENGLISH LANGUAGE I
WRITING
ANSWER SHEETS

Date: 14 JAN 2016

Time allowed: 60 minutes

(PP.1-4/23)

Instructions:

- 1) The total mark is 100.
- 2) The paper is divided into two sections, namely,
Section I: **Short Tasks** (30 marks) and Section II: **Extended Writing Task** (70 marks).
- 3) Write neatly and clearly in the spaces provided on the **Answer Sheets**. Answers written in the Question Paper will **not** be marked or given any marks.
- 4) You are advised to spend 20 minutes on Short Tasks and 40 minutes on Extended Writing Task.
- 5) Leave some time to proofread your work before submission.

.....

Section I

Short Tasks (30 marks)

In this section, you are required to complete **three** short tasks.

Task 1 (10 marks) Word Order

The words in the sentences below are mixed up. Put the words in the correct order. Add punctuation marks and **CAPITALIZE** words where necessary. An example is given for you.

Example: always / a holiday / rains / it / we / when / have

It always rains when we have a holiday.

- 1) We are watching a movie at home.
 - 2) Mum is making some popcorn in the kitchen.
 - 3) Dad is not work from home.
 - 4) We are going to meet him later for dinner.
 - 5) I hope it will stop raining.
- 3) Dad is not home from work.
- 4) We are going to meet him for dinner later.

6

Task 2 (12 marks) Short Writing

You are writing a report about students' favourite festivals. Use the information from a class survey to write your report.

Favourite Festivals (Class 1B)

In class (e.g.) 1B, we wanted to know what everyone's favourite festival was so we conducted a class survey.

The most popular choice turned out to be (1) Chinese New Year with (2) 18 (votes).

Reasons for Choosing this Festival

Students from 1B like it because (3) they can receive red packets from relatives and (4) they don't need to go to school.

Top Three Activities 1B Students Enjoy

They like to put up decorations because they looks nice. They like to go to the flower market. Also, they like to visit their relatives.

12

Task 3 (8 marks) Proofreading

Correct the mistakes according to the following instructions:

- Underline a word that is incorrect and write a correct word above it.
- Mark the position of a missing word with a “^” and write the missing word above it.
- Put a cross ‘X’ on the extra word.

REMEMBER! There is only ONE mistake in EACH NUMBERED line.

Your friend Ben wrote a report about the Bali Kite Festival. He has asked you to help him with the corrections.

FAQs about the Bali Kite Festival

- 1 **When is Bali Kite Festival?**
 ^ the
- 2 It is held every July. It ~~have~~ ^{has} runs for three to four days, and it is very popular.
- 3 **What ~~happen~~ ^{will happen} at the festival?**
- 4 During the festival, teams of ~~person~~ ^{people} fly giant kites. Prizes are given to the teams
- 5 that have the best launch and the longest flight. Bands also ~~plays~~ ^{play} traditional
- 6 music during the festival. It is ~~very~~ ^{enjoy} enjoyed by all the participants.
- 7 **~~Who~~ ^{How} many types of kites are there?**
- 8 There are five types. Three are ~~the~~ ^{are} new styles and two is traditional.

Handwritten scribble

Handwritten scribble

Section II

Long Tasks (70 marks)

In this section, you are required to write your reply in about 150 words.

Hi May,

The form consists of a large rectangular area bounded by a decorative border. Inside this area, there are 18 horizontal lines spaced evenly, providing a guide for writing answers. The lines are solid black and extend across the width of the form.



-END OF PAPER-

POK OI HOSPITAL TANG PUI KING MEMORIAL COLLEGE
FIRST TERM EXAMINATION (2015-2016)
S1 ENGLISH LANGUAGE II
QUESTION PAPER

Date: 1.8 JAN 2016
Time allowed: 60 minutes
(PP. 1 – 8 / 23)

Instructions:

1. The total score is 108.
2. The paper is divided into four sections – A, B, C & D.
3. Write neatly and tidily on the spaces provided in the Answer Booklet.
4. Leave some time to proofread your work before submission.

Section A Reading Comprehension (30 marks)

In this section, you read and answer questions about the texts.

Text 1 – You like pets. Your friend has cut out a story from a pet magazine for you.

Ben – the amazing dog

Uncle Tam was an old man. He lived on his own on a farm in Yuen Long. **It** was far away from houses in the area. He had no telephone and he seldom had visitors.

One Sunday in July 2003, Uncle Tam was very sick. He could not move so he couldn't get anything to eat or drink.

There was no one that could help **him**.

From that Sunday to the following Friday, Uncle Tam lay on the floor of his room. He was very worried. He thought there was no hope. On Friday, he found a piece of paper and wrote a note on **it**. He put the note in a plastic bottle and threw it out of the window. He hoped that someone might find it.

Did he have any luck? Yes, he did! A very intelligent dog called Ben found the bottle. Ben picked it up in his mouth and carried it home to **his** owner. He barked at his owner until he called an ambulance for Uncle Tam. Eventually, Uncle Tam got better, thanks to Ben – the amazing dog.

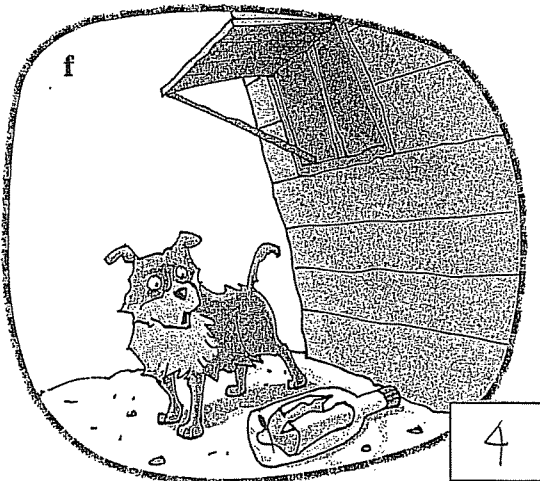
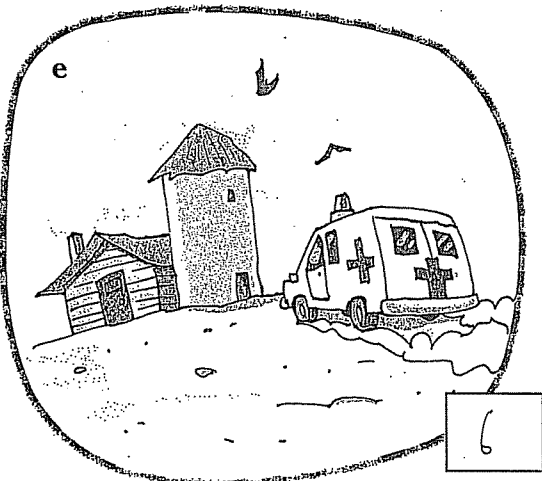
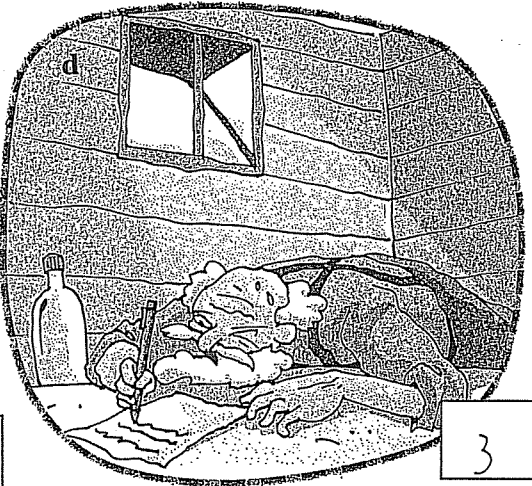
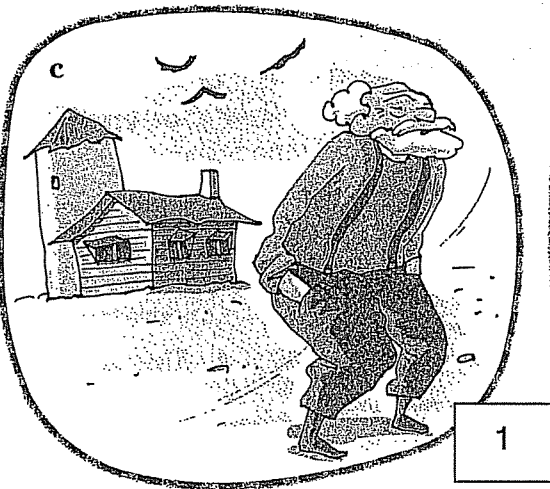
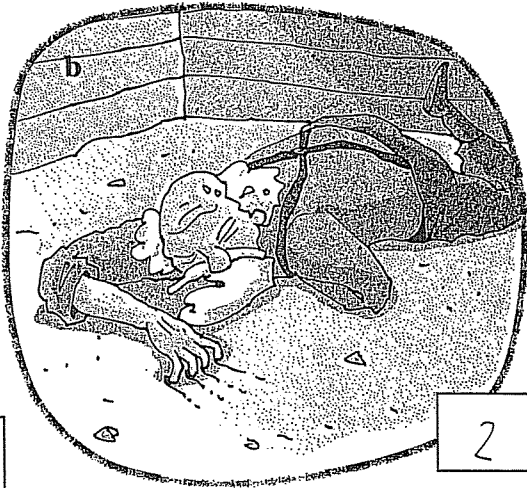
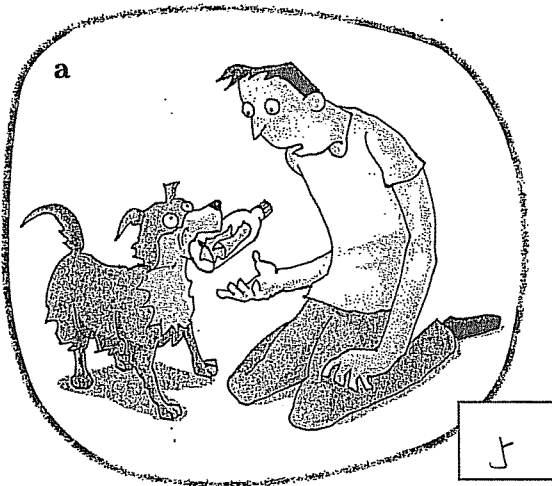


1. Another title for this story could be...?
A 'Dog saves master's life'
 B 'Dog saves man's life'
C 'Sick man puts message in bottle'
D 'Lonely man finds his dog'

2. Ben is an amazing dog because...

- A he can carry a bottle.
- B he took Uncle Tam's bottle to his owner and made him read the note inside.
- C he can write a note and put it in a plastic bottle.
- D he called an ambulance.

3. There are some pictures that illustrate the story. Put them in the correct order. Write 1-6 on the answer sheet. The first one has been done for you. (5 marks)



A2 - Answer the following questions using the information from the article.

Use **COMPLETE SENTENCES**. (12 marks)

1. When did this story happen?
It happened in July 2003.
2. Where was Uncle Tam's house?
Uncle Tam's house was in Suen Long.
3. Who did Uncle Tam live with?
He lived alone.
4. Why did Ben bark at his owner?
Because he wanted him to read the note.
5. In paragraph 1 line 2, what does the underlined word 'it' refer to?
it refers to the farm house.
6. In paragraph 2 line 3, what does the underlined word 'him' refer to?
him refers to Uncle Tam.
7. In paragraph 3 line 3, what does the underlined word 'it' refer to?
it refers to the piece of paper.
8. In paragraph 4 line 2, what does the underlined word 'his' refer to?
'his' refers to Ben's.

Text 2 – You find a poem and a quiz on a classmate's web page. Read the poem and then do the quiz. (5 marks)

Lasting Friends

Samuel sings a noisy song.
Dave plays ping-pong all day long.
Ruby reads really long books.
Cary needs to clean and cook.
Gem goes shopping at the mall.
Gary is extremely tall.
Mandy loves the countryside.
Desmond swims against the tide.

See my friends are super great!
 Come and meet them, don't you wait.
 Lasting friends are hard to find,
 Fun and helpful, one of a kind.

1. How many friends are mentioned in the poem?
8
2. The poem has several rhyming pairs in the poem. Find two pairs and write them.
song and long
mall and tall
3. According to the writer, friends...
 A are not easy to keep.
 B meet each other all the time.
 C always help people.
 D don't wait for you.
4. In the last line, 'one of a kind' means...
 A the best ever
 B great
 C kind
 D original

5. Write the names from the poem that match the people in the picture. (6 marks)



- 1: Mandy
- 2: Gem
- 3: Desmond
- 4: Samuel
- 5: Dave
- 6: Ruby

Section B Grammar & Usage (58 marks)

B1 Your teacher asks you to make a photo book about your school. You are talking to your partner Kimi online. Write the correct form of the verb in the bracket. (12 marks)

- Kimi:** Hi, (e.g.) Are you working (work) at the moment? I (1) sent (send) you some photos for our photo book last night.
- You:** Ok, thanks. Let me check. Yes, I'm opening the first one now.
- Kimi:** It's the basketball court.
- You:** Oh yes, I can see it. It's our basketball team. Which school (2) are they *photo playing (play) against?
- Kimi:** They (3) are playing (play) against Sunny Bay School. Here's another photo.
- You:** Oh, look. It's Ms Lai. She (4) is giving (give) an award to the winners of the writing competition.
- Kimi:** Yes, that's right. And look at the next one. (5) Do you know (know) this person?
- You:** It's you! (6) Are you using (use) the computer to do your homework?
- Kimi:** No, I (7) am not (be) I'm playing online chess. We sometimes (8) practise (practise) it in Chess Club. Here's a photo of you and Sam!
- You:** I like this one! We (9) are sitting (sit) in the art room. Look, we (10) are making (make) Halloween masks. *photo *photo
- Kimi:** The pictures are great.
- You:** Can you print out these photos for me? They (11) are not (not be) very clear on my printer.
- Kimi:** Sure. I (12) am printing (print) them right now.
- You:** Thanks.

B2 Your friend is writing a blog entry about her new pet hamster. Help her write the correct form of the **REGULAR** and **IRREGULAR** verbs from the choices in the box. Each word can only be used once. (9 marks)

(e.g.) ~~give~~
~~call~~
~~go~~
~~get~~
~~say~~
~~choose~~
~~make~~
~~love~~
~~see~~
~~play~~

Last week, my parents (e.g.) gave me a pet! We (1) went to the pet shop and after looking at all the choices, I (2) chose a hamster. We also (3) got a cage and some toys. He is really cute. Yesterday, I (4) made him a toy out of a sweet box. He (5) loved it and (6) played with it all day.

My hamster's name is Fluffy. When my dad (7) saw him at the pet shop, he (8) said, 'Look at the ball of fluff!' So I (9) called him Fluffy.

B3 Read and complete the sentences with the correct ARTICLES. Write a cross (X) if NO ARTICLE is necessary. (9 marks)

e.g. Carol is an amazing ice skater.

1. I think that Hong Kong's best restaurants are in X Yuen Long.
2. Gary is wearing a hat and sunglasses because the sun is very bright today.
3. Last year, students from our school went to the United Kingdom for a study tour.
4. This year, they will take a trip to Singapore.
5. I'm trying to get X tickets for myself.
6. People say it is better to book tickets from the Internet instead of doing it at a travel agent.
7. I saw the best deal on flights on a website called 'Traveler Ted'.
8. I like my holidays to be an adventure so I go to outdoor places.
9. Somebody gave me an expired coupon to Ocean Park. Now, I have to pay full price.

B4 Read the interview about festivals. Write the correct word to complete the interview Gary's interview questions.

(8 marks)

Interview with an exchange student

Gary Ho interviewed Lisa Jones, an exchange student, about festivals in her country.

- Gary: Hi! I'm Gary Ho. I'm a secondary school student in Hong Kong and I would like to ask you a few questions about festivals in your country.
- Lisa: Ok, no problem. I'd love to share with you about festivals.
- Gary: So, (1) where are you from Lisa?
- Lisa: I'm from Meredith, New Hampshire. That's in the USA.
- Gary: Ok, (2) what is your favourite festival? And (3) why you do like it?
- Lisa: My favourite festival is Thanksgiving. Most Americans really like this festival because they get to spend time with their relatives and have a big dinner together. The festival is on a Thursday so there is a long weekend to enjoy.
- Gary: (4) Is it always held on a Thursday?
- Lisa: Yes, the last Thursday in November.
- Gary: (5) Whose home do you usually go to for the big dinner?
- Lisa: My Uncle Bob's home. He cooks a honey ham and a turkey.
- Gary: Sounds delicious! (6) Which meat do you like better, turkey or ham?
- Lisa: I like ham better. Turkey makes me sleepy.
- Gary: (7) How long are you staying in Hong Kong?
- Lisa: I'll be here until the end of the school year in June.
- Gary: (8) Do you like Hong Kong?
- Lisa: Yes! Very much!

B5 David is writing a letter to his pen friend Angel. Help him complete the letter. Choose the best answer from four choices and write the correct letter in the blank on the answer sheet. (10 marks)

Hi Angel,

Are you having fun during (e.g.) Christmas holidays? This year, I celebrated Christmas in Hong Kong with (1) family. We usually stay in Hong Kong for Christmas. For my parents, the Christmas holiday (2) only a few days so they (3) get as many days off as I do.

I (4) a present for my brother. He is opening it now. I think (5) will like it. It's a portable speaker that works with (6) phone. Now, he can play music at barbeques! He (7) loves to have barbeques!

This year, (8) weather is nice. We are having another sunny day with clear skies. Winter is dry in Hong Kong. I hate it when it's humid!

(9) are you doing for Christmas? Are you going anywhere?

Anyway, I would love to have you visit. (10) will you have time?

That's all for now.

David

e.g.	A. my	1	A. this	2	<u>(A)</u> is	3	<u>(A)</u> don't
	B. his		B. her		B. were		B. have
	<u>(C)</u> the		<u>(C)</u> my		C. will be		C. is
	D. a		D. a		D. are being		D. do
4	A. buyed	5	<u>(A)</u> he	6	A. some	7	A. happy to
	B. am buying		B. <u>his</u>		<u>(B)</u> his		B. very
	C. buy		C. him		C. him		C. enjoy
	<u>(D)</u> bought		D. himself		D. its		<u>(D)</u> really
8	A. some	9	A. Do	10	<u>(A)</u> When		
	B. an		<u>(B)</u> What		B. Where		
	C. your		C. When		C. Are		
	<u>(D)</u> the		D. Are		D. Do		

B6 Liz wrote a story about her best Christmas gift. Read the story. Correct the mistakes according to the following instructions. (10 marks)

- **UNDERLINE** a word that is incorrect and write a correct word above it.
- Mark the position of a missing word with a “^” and write the missing word above it.
- Put a cross ‘X’ to the extra word.

[The passage is printed on the answer sheet.]

Section C Vocabulary (10 marks)

You are reading about the Dongzhi festival. Use the words in the box to complete the text.

try local food	Chinese New Year	popular	traditional	celebrate	scrumptious
stroll around	exchange presents	modern	hire	make wishes	buy souvenirs

FAQ's about the Dongzhi festival

When do people ^{celebrate} (1) **Dongzhi?**

It is celebrated on the shortest day of the year, around 22nd December.

How do the Chinese people celebrate the festival?

They have a family get-together. They don't ^{exchange} (2) ^{presents} with each other like Christmas. They prepare some food and eat together.

What do they eat?

In Hong Kong, a ^{popular} (3) dish is glutinous rice as most families prepare it. It symbolizes reunion. It is ^{scrumptious} (4)! So, if you want to ^{try local food} (5), glutinous rice during Dongzhi is a must.

What else is important to know about Dongzhi?

One ^{traditional} (6) way to celebrate the festival is to go to the ancestral temple to worship. The older generation sometimes consider Dongzhi the beginning of the year instead of ^{Chinese New Year} (7).

How can a visitor celebrate the festival?

People visiting Hong Kong during Dongzhi could ^{stroll around} (8) Temple Street. There should be some shops selling glutinous rice so you could try it. Temple Street has a lot restaurants and you can also ^{buy souvenirs} (9) from the many stalls that run up and down the street. It is easy to ^{hire} (10) a taxi from any hotel that you are staying at and every driver knows how to go to Temple Street.

B5 David is writing a letter to his pen friend Angel. Help him complete the letter. Choose the best answer from four choices and write the correct letter in the blank on the answer sheet. (10 marks)

1. <u>C</u>	2. <u>A</u>	3. <u>A</u>	4. <u>C</u> (D)	5. <u>B</u> (A)
6. <u>B</u>	7. <u>D</u>	8. <u>D</u>	9. <u>B</u>	10. <u>B</u> (A)

B6 Liz wrote a story about her best Christmas gift. Read the story. Correct the mistakes according to the following instructions. (10 marks)

- **UNDERLINE** a word that is incorrect and write a correct word above it.
- Mark the position of a missing word with a “^” and write the missing word above it.
- Put a cross ‘X’ to the extra word.

My Best Christmas Gift

- e.g. Today, I want to talk about the best Christmas gift that I ever reciced. It my
- e.g. changed ^ life for the better.
- e.g. One Christmas, my mum said I could ~~X~~ have a pet so I went to look at some
1. pets with my dad. We went to a few pet shops but I ~~did~~ ^{didn't} find a pet that I liked.
2. Finally my dad suggested ~~me~~ ^{can} that we adopt a pet. He took me to Hong
3. Kong Rescue; an organisation that helps animals. We went there and I was
4. surprised to see so many dogs without homes. ~~Are~~ ^{Do} you know what I did?
5. That's right! I immediately ~~fall~~ ^{fell} in love with one of the dogs there. She was so
6. adorable and sweet. She was brown with very ~~small~~ ^{short} hair.
7. I took her ^{to} home on Christmas Eve. Now, she lives with me and my ~~the~~ family.
8. Oh, I forgot to tell you ~~his~~ ^{her} name. It's Princess!
9. I think having a the pet is great. You can learn how to be responsible and take
10. care of something you care about. It ~~have~~ ^{is} a great experience.

14

Part D Phonics (10 marks)**Task 1 - Write the word beside the symbol. (10 marks)**

- | | | | |
|------------|-------------|--------------|--------------|
| 1 /wʊd/ | <u>wood</u> | 2 /fru : t/ | <u>fruit</u> |
| 3 /skɪp/ | <u>skip</u> | 4 /spɔ : t/ | <u>sport</u> |
| 5 /bed/ | <u>bed</u> | 6 /mɒp/ | <u>mop</u> |
| 7 /fɔ : k/ | <u>fork</u> | 8 /mes/ | <u>mess</u> |
| 9 /bæk/ | <u>back</u> | 10 /sli : p/ | <u>sleep</u> |

END OF QUESTION PAPER

POK OI HOSPITAL TANG PUI KING MEMORIAL COLLEGE
SECOND TERM EXAMINATION (2015-2016)
S1 ENGLISH LANGUAGE I
WRITING
QUESTION BOOKLET

Date: 10 JUN 2016
Time allowed: 60 minutes
(PP.1-3 / 23)

Instructions:

1. The total score is 100.
2. The paper is divided into Section A: Short Tasks (30 marks) and Section B: Extended Writing Task (70 marks).
3. Write neatly and tidily on the spaces provided in the Answer Booklet.
4. You are advised to spend 20 minutes on Section A and 40 minutes on Section B.
5. Leave some time to proofread your work before submission.

Section A Short Tasks (30 Marks)

Task 1: Word Ordering (10 marks)

You are playing an English game called Word Ordering. Arrange them into correct sentences.

e.g. fun/hiking/is = Hiking is fun.

1. of the trail / will / at / the bottom / hike / the / begin
(7) (3) (5) (6) (2) (1) (4)
2. 1995 / kowloon walled city park / the / opened to / in / the public
(6) (7) (1) (3) (5) (4)
3. the / to / how much / salt / soup / add / did / you
(7) (6) (1) (2) (8) (5) (3) (4)
4. will / this / held at / year's / swimming gala / yuen long swimming pool / be / the
(4) (1) (6) (2) (3) (8) (5) (7)
5. a referee / difficult / being / job / a / is /
(2) (6) (1) (7) (4) (3)

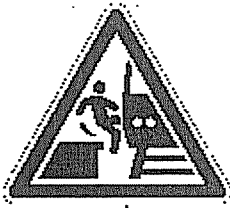
Task 2: Short Writing (10 marks)

Look at the following signs. Write an appropriate caption for each of them. The first one has been done for your. Use the word(s) in the brackets to help you.



(feet / seat)

e.g. Don't put your feet on the seat(s). Don't put your feet on the bench(es).



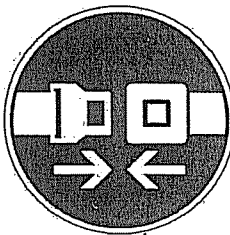
(platform gap)

1. Mind the platform gap.



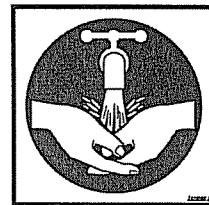
(quiet)

2. Keep quiet



(buckle / fasten)

3. Fasten the buckle



(hands)

4. Wash your hands.



(mobile phone)

5. No mobile phone

Task 3: Find and correct the errors in the passage *on the answer sheet*. (10 marks)

Correct the mistakes according to the following instructions:

- **Underline** a word that is incorrect and write a correct word above it.
- Mark the position of a missing word with a “^” and write the missing word above it.
- Put a cross ‘X’ to the extra word.

REMEMBER! There is only ONE mistake in EACH NUMBERED line.

Task 3: Find and correct the errors in the passage. (10 marks)

Correct the mistakes according to the following instructions:

- **Underline** a word that is incorrect and write a correct word above it.
- **Mark the position of a missing word with a “^”** and write the missing word above it.
- **Put a cross ‘X’** to the extra word.

REMEMBER! There is only ONE mistake in EACH NUMBERED line.

Ken's basketball blog

1 My favourite team, the Tai Po Tigers, had ^{an} excellent game last week against
 2 the Yuen Long Farmers. I thought they would lose by ten ^{or} ~~and~~ fifteen points
 3 because the Farmers are ~~an~~ extremely good team, but the Farmers don't play
 4 well at all. The Tigers won by more than ~~x~~ twenty points.

5 The Farmers were ^{quite} ~~quiet~~ good in the first half. ^{its} ~~Their~~ best player, Max Kong,
 6 made five ^{and} ~~three-point~~ shots at the beginning of the game. How ^{many} ~~much~~ points
 7 did he score? Only fifteen points! He ^{missed} ~~miss~~ every ^{shots} ~~shot~~ afterwards. He didn't
 8 score ^{any} ~~some~~ more baskets for the rest of the game!

9 The best player for the Tigers was Big Dave. That is ^{his Nickname} ~~nickname~~ because he is
 10 tall ^{and} ~~with~~ very long arms. He scores points very ^{easily} ~~easy~~.

Hope the Tigers win their next match! Goodbye fans!

3

Section B Extended Writing Task (70 marks)

In this section, you are required to write an essay **in about 150 words**.

My favourite restaurant

My favourite restaurant is in Yuen Long. It is not far to my home. I always go there to have dinner with my family because we all like eating Japanese food. It is delicious.

I always order the soup noodles, ~~steamed eggs of Japan~~ and some sushies. The soup noodles sometimes is very salty but I still love it! My favourite is steam egg of Japan, it is very scrumptious! It ~~made by~~ some mushrooms, seafood and it is very fresh.

My family and I like going to this restaurant to have dinner because the food are fresh and it is cheap, it ~~cost~~ ^{also} only \$3 for a sushi and the seats are comfortable. It is ^{also} easy to go!

We often order the ~~soup~~ noodles and it is famous in Japan but it is ~~too~~ spicy. Mum and my sisters can't eat too spicy.

When we have some special festival ~~want~~ to celebrate, we also will take place here. This restaurant has ~~lots~~ of our memories.

So it is my favourite restaurant!

POK OI HOSPITAL TANG PUI KING MEMORIAL COLLEGE
SECOND TERM EXAMINATION (2015-2016)
S1 ENGLISH LANGUAGE II
QUESTION PAPER

Date: 13 JUN 2016

Time allowed: 60 minutes

(PP.1-6/23)

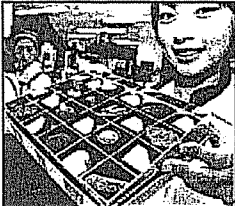

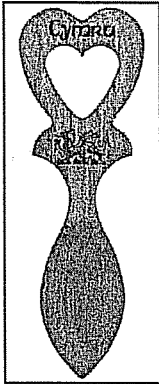
Instructions:

1. Answer all questions in the answer booklet.
2. The total score is 120.

Part A Reading Comprehension (30 marks)

Text 1 (17 marks)

Read the article about Valentine's Day in different countries. Then answer the questions.

Valentine's Day Around the World	
5	<p>Japan</p> <p>In Japan, many girls love to shop for chocolates before Valentine's Day because girls usually give boys chocolates. Close male friends get 'friendship chocolate' gifts on this day. It is also common for students to prepare some chocolates for their classmates and teachers. People give chocolate to their workmates and their boss. Special <u>chocolate</u> is given to the most important person, often the husband or sweetheart.</p> 
10	<p>Korea</p> <p>Like Japan, girls give chocolate gifts on 14 February to their male friends. Exactly one month later, Koreans celebrate White Day, which is the day for <u>men to give girls</u> something white in return, such as white <u>sweets</u>. Then, the 14th of the following month is Black Day. This is a day for single people to get together.</p> 
15	<p>UK</p> <p>In the UK, Valentine's Day is about love. School children cut out paper hearts to make Valentine's Day cards. They give them to their friends and teachers. People in Wales also celebrate St Dwynwen's Day, the Welsh Valentine's Day. It is traditional for couples to give each other a set of carved wooden spoons. So, if you fall in love in</p>
20	<p>Wales you give your special person a 'love spoon'.</p> 

Text 2 (13 marks)

Read the poem and answer the questions.

My teacher took my iPod

My teacher took my iPod.
She said they had a rule;
I couldn't bring it into class
or even to the school.

- 5 She said she would return it;
I'd have it back that day.
But then she tried my headphones on
and gave a click on Play.

- 10 She looked a little startled,
but after just a while
she made sure we were occupied
and cracked a wicked smile.

- Her body started swaying.
Her toes began to tap.
15 She started grooving in her seat
and rocking to the rap.

- My teacher said she changed her mind.
She thinks it's now okay
to bring my iPod into class.
20 She takes it every day.

–Kenn Nesbitt

**Part B Usage (70 marks)**

Task 1 (8 marks)

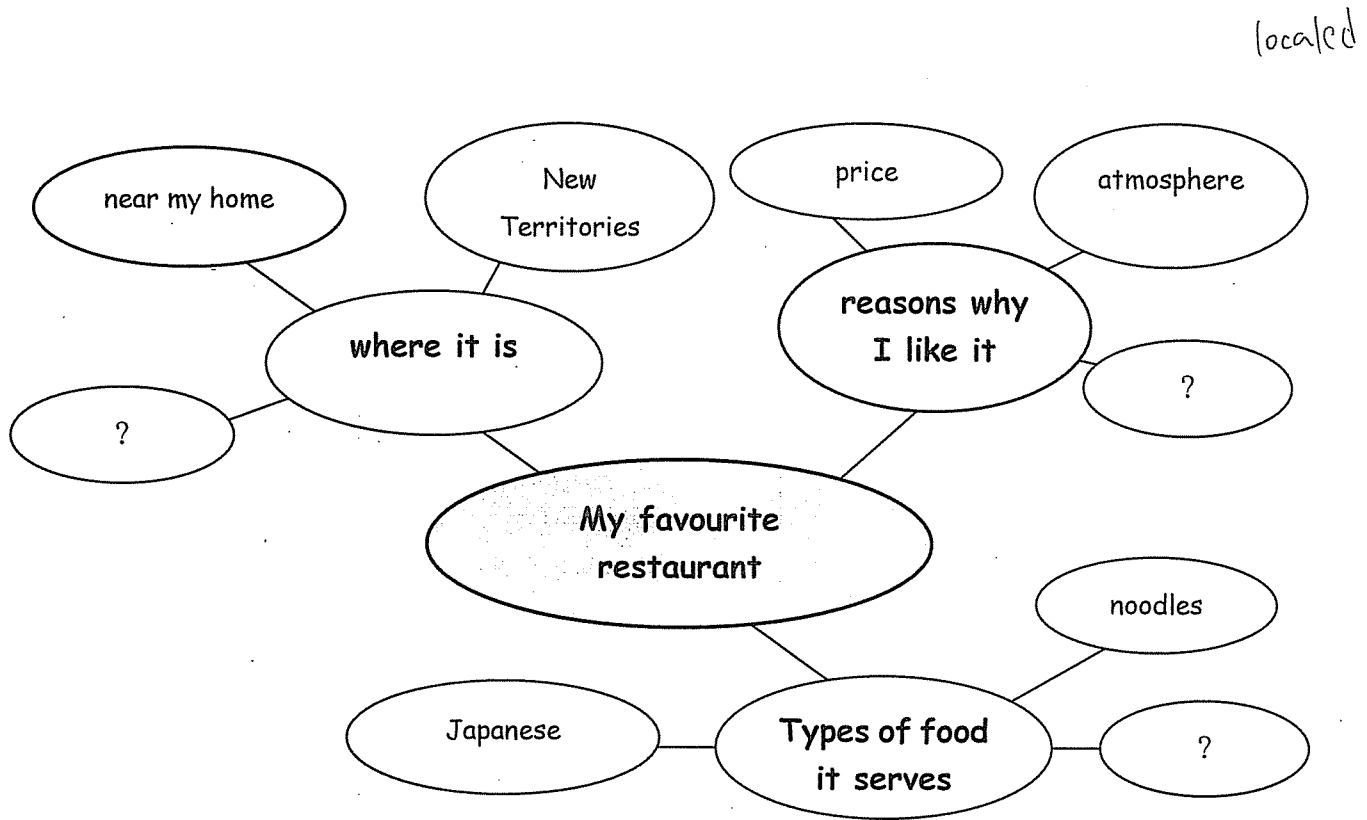
Complete their conversation with 'some', 'any' or 'X'. Capitalise where necessary.

- Nina: Jane, have you got (1) any sugar?
Jane: Yes, I've got (2) some. Do you need anything else?
Nina: Yes, I want (3) some flour too. Have you got (4) any 5kg bags?
Jane: I'm sorry, they don't come in (5) X that size.
Nina: Well they've got (6) some smaller bags on that shelf over there.
Jane: Oh yes, let me get two bags.
Nina: I think I need (7) some eggs too.
Jane: Would you like a carton then?
Nina: No, I don't need (8) any eggs. I just remembered that I bought some yesterday.

Section B Extended Writing Task (70 marks)

In this section, you are required to write an essay about your favourite restaurant **in about 150 words**. You can use the mind map below and/or your own ideas in your essay.

REMEMBER TO GIVE A TITLE TO YOUR ESSAY.



END OF PAPER

Task 2 (10 marks)

Brian is helping his mother buy some food at a grocery store. He is talking with the shopkeeper. Choose the best answers and write the correct letter in the blank. The first one has been done for you as an example.

Brian: (e.g.) A any eggs?

Shopkeeper: Yes. (1) _____ would you like?

Brian: Two dozen, please – 24 in total. And do you have any lemon tea?

Shopkeeper: Sure. (2) _____ cartons do you need?

Brian: Half a dozen – six, in other words. How about (3) _____?

Shopkeeper: Yes, we have some. (4) _____ would you like?

Brian: Two kilos, please. Do you have any potato chips?

Shopkeeper: Sure. (5) _____ bags would you like?

Brian: Three bags, please.

Shopkeeper: Anything else?

Brian: Well, I need some (6) _____ too.

Shopkeeper: (7) _____ would you like?

Brian: One litre please.

Shopkeeper: Do you want any (8) _____?

Brian: Yes, I need five (9) _____. (10) _____ does that come to altogether?

Shopkeeper: That comes to \$86. Thanks a lot.

- e.g. A. Are there
B. Is there
C. Do you
1. A. How often
B. How much
C. How many
2. A. How much
B. How many
C. What
3. A. rices
B. rice
C. a rice
4. A. How
B. How many
C. How much
5. A. How many
B. How much
C. How wide
6. A. milks
B. a milk
C. milk
7. A. How much
B. How many
C. How
8. A. fruits
B. fruit
C. a fruit
9. A. orange
B. apple
C. apples
10. A. How much
B. How many
C. How far

Task 3 (10 marks)

Complete the following story by choosing the best word from the box. The first one has been done for you.

on	across /	in	to /	at /
out /	down /	off /	up /	near

Ms Brown left for work early this morning. She was walking (e.g.) along the street, she was stressed because there were so many people around. She went (1) in a shop and bought a sandwich for her breakfast. After coming (2) out of the shop, she walked (3) to the bus

stop and waited for the bus. When the bus arrived, she noticed all the passengers getting (4) off before she got (5) on the bus. The bus wasn't crowded so she sat (6) down.

The bus arrived (7) at Tsim Sha Tsui at 8:55 am. Ms. Brown was worried that she would be late for work, so she started to run. She ran (8) across a footbridge and arrived at her building. Unfortunately, the lift was out of service! She walked (9) up the stairs to the 15th floor.

After that tiring walk, she really wished that she lived (10) near her office.

Task 4 (10 marks)

Complete the following passage by filling in the blanks with 'and', 'but', 'or' and 'so'. The first one has been done for you.

Exercise and Diet

Candy does not eat healthily. She likes eating chicken wings, burgers (e.g.) and French fries. She does not like to eat any fruit (1) or vegetables. She is overweight (2) so she wants to do more exercise.

It is important to exercise (3) and have a healthy diet. A balanced diet means eating the right amounts of the right food (4) but many people eat too much junk food. Junk food is so easy to buy and it's ready to eat.

Fruit (5) and vegetables don't give you a lot of energy (6) but they do have a lot of vitamins. The department of health suggests eating at least two servings of fruit (7) and three servings of vegetables every day.

Water is an essential element for everybody's body. You should try to drink about eight glasses of water per day. Don't drink too much soda (8) or fruit juice because they have lots of sugar. Anyway, water is cheaper (9) so you will save money.

Exercise (10) and getting enough sleep keep illness away.

Task 5 (10 marks)

Jack is writing about three of his good friends. Complete the following text by choosing the best word from the box. The first one has been done for you. Each word is used **ONCE** only.

well liked ✓	patiently ✓	well ✓	excellent	slowly ✓
hard ✓	really ✓	fast ✓	extremely	easily ✓

Mark is (e.g.) quite short but looks good for his height. He is a very nice person. He (1) really likes helping people in need. He has been a Boy Scout for three years. He is (2) well liked by all his classmates and teachers. He studies very (3) hard too.

Bill is a swimming champion. He can swim very (4) fast. Sometimes, he shows me how to improve my swimming because I want to swim faster. He teaches swimming very (5) well. I think he would make a good swimming coach. After swimming, we are exhausted and starving. Swimming makes us (6) extremely tired and hungry. So, we always get some noodles from a small shop. The noodles taste (7) excellent!

Paul has been my friend for 10 years. He is kind hearted and doesn't get angry (8) easily. Yesterday, we had to wait over 35 minutes for a taxi. The traffic was moving so (9) slowly. I hated it but Paul waited (10) patiently and read a book.

Task 6 (12 marks)

Complete the following passage with the correct forms of the verbs given in brackets. One has been done for you as an example.



Ocean Park (e.g.) is (be) one of the most popular tourist spots in Hong Kong. Everyday, it (1) attracts (attract) thousands of tourists. Ocean Park is an amusement park that has special attractions. People love visiting Ocean Theatre to (2) take (take) photos of the seals. However, sometimes the weather (3) isn't (not be) very good. It can be super hot or rainy.

Last Sunday, some friends of mine planned to go to Causeway Bay. They (4) were (be) excited because they had not been there for a long time. When they (5) arrived (arrive), it was so crowded they couldn't move. Do you know why it was so crowded? It was because they were filming a new 'Batman' movie. They (6) didn't see (not see) any famous actors but they (7) noticed (notice) Batman's car. They (8) decided (decide) to leave because it was so crowded.

Tonight, my cousin (9) is coming (come) over to my house. He (10) wants (want) me to help him with his homework. My mum (11) is leaving (leave) now so she won't be home when he arrives. I (12) am (be) happy to see my cousin. If we finish the homework quickly, we can play LOL together!

Task 7 (10 marks) Proofreading

Correct the mistakes according to the following instructions:

- **Underline** a word that is incorrect and write a correct word above it.
- Mark the position of a missing word with a “^” and write the missing word above it.
- Put a cross 'X' to the extra word.

REMEMBER! There is only ONE mistake in EACH NUMBERED line.

THE TASK SHOULD BE COMPLETED ON THE ANSWER SHEET

Part C Vocabulary (10 marks)

Tommy is writing in his diary about the summer camp that he is going to. Fill in the blanks with correct words from the box.

spicy /	coach /	skilful /	savoury	medal /	racket /
gymnasium /	sweet /	tournament /	sour /	tour	fantastic /

Dear Diary,

I signed up for a summer camp. During the camp there will be many activities. I'm going to have badminton training every morning at camp so tomorrow I'm going to buy a new (1) racket and some shuttlecocks.

Our badminton (2) coach is a famous player. She won the silver (3) medal at the 2002 East Asian Games. She is a very (4) skilful player. There will be a badminton (5) tournament too. The champion will win a big trophy. I have never won a trophy before so I'm going to the (6) gymnasium every day to practise.

In the afternoon, I will have a cooking class. We are going to make dishes from different parts of the world such as (7) spicy curries from Malaysia, (8) sweet desserts from Thailand and (9) savoury meat pies from the UK. I'm so excited!

It's going to be a (10) fantastic summer!

Part D Phonics (10 marks)

Task 1 (6 marks)

Write the word from the box that has the same vowel sound as the word in the bracket.

write	rock	name	sweet	pig	pet	port	fat
-------	------	------	-------	-----	-----	------	-----

1 (win) pig

2 (dream) sweet

3 (pot) rock

4 (fork) port

5 (men) pet

6 (fan) fat

Task 2 (4 marks)

Write the word beside the symbol.

1 /ti:m/ team

2 /fɔ:m/ form

3 /bʊks/ books

4 /hæm/ ham

END OF QUESTION PAPER

POK OI HOSPITAL TANG PUI KING MEMORIAL COLLEGE
SECOND TERM EXAMINATION (2015-2016)
S1 ENGLISH LANGUAGE II
ANSWER BOOKLET

Date: 13 JUN 2016

Time allowed: 60 minutes

(PP.1-5/23)

Instructions:

1. Answer all questions in this answer booklet.
2. The total score is 120.

Part A Reading Comprehension

Text 1 (17 marks)

Decide which of the following statement is true about **Japan, Korea or the UK** according to the passage. **BLACKEN** (●) the appropriate circle for each statement. You can blacken more than one circle.

	Japan	Korea	UK
1. Single people celebrate Black Day.	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
2. People give each other spoons.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
3. School children give cards.	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
4. Bosses receive chocolate from their employees.	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
5. Valentine's day is celebrated on 14 th February.	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
6. Girls usually give chocolates to boys.	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>

Answer the following questions in complete sentences.

7. In which part of the UK do they give 'love spoons' as Valentine's gifts?

If they fall in love in Wales and they will give 'love spoons' as Valentine's gifts.
 (They give each other love spoons in Wales.)

8. How do Koreans celebrate White Day?

The men in Korea will give something white in return to girls.

9. Which two things do people around the world give each other for Valentine's Day?

People give chocolate or sweets to each other for Valentine's Day.

10. In line 9, what does 'their' refer to?

'their' refers to girls. (It refers to Japanese girls.)

11. In line 16, what does 'them' refer to?

'them' refers to the paper hearts. (It refers to Valentine's Day Cards.)

Text 2 (13 marks)

Answer in complete sentences.

1. Why did the teacher take the iPod? Because iPod are not allowed in class.
Because the teacher thought the iPod had a rule and couldn't bring it into class or school.

2. How often does the teacher take the iPod after she changes her mind?

The teacher takes the iPod every day.

4

3

9

3. Do you think it's good to have mobile phones in class? Give a reason for your answer.

No, because the mobile phones will make us can't pay attention in class or during the lessons.

4. In line 9, what does 'startled' mean?

- A. Happy
- B. Surprised
- C. Angry
- D. Sad

5. In stanza four, what is the teacher doing?

- A. Singing
- B. Laughing
- C. Crying
- D. Dancing

6. The rhyming pairs in the first stanza are rule and school. What are the other rhyming pairs for the next four stanzas?

stanza 1 e.g. <u>rule</u> <u>school</u>	stanza 2 <u>day</u> <u>play</u>	stanza 3 <u>while</u> <u>smile</u>	stanza 4 <u>tap</u> <u>rap</u>	stanza 5 <u>okay</u> <u>day</u>
---	---------------------------------------	--	--------------------------------------	---------------------------------------

Part B Usage (70 marks)

Task 1 (8 marks)

Complete their conversation with 'some', 'any' or 'X'. Capitalise where necessary.

1. any 2. some 3. some 4. X (any)
 5. X 6. X (some) 7. some 8. any

Task 2 (10 marks)

Brian is helping his mother buy some food at a grocery store. He is talking with the shopkeeper. Choose the best answers and write the correct letter in the blank. The first one has been done for you as an example.

1. e 2. B 3. B 4. C
 5. A 6. C 7. A 8. B
 9. C 10. B (A)

Task 3 (10 marks)

Complete the following story by choosing the best word from the box. The first one has been done for you.

1. to 2. out 3. hear 4. off
 5. on 6. down 7. at 8. across
 9. up 10. in 11. cheer

Task 4 (10 marks)

Complete the following passage by filling in the blanks with 'and', 'but', 'or' and 'so'. The first one has been done for you.

1. or 2. so 3. and 4. but
 5. and 6. but 7. and 8. or
 9. so 10. and

Task 5 (10 marks)

Jack is writing about three of his good friends. Complete the following text by choosing the best word from the box. The first one has been done for you. Each word is used **ONCE** only.

1. really 2. well liked
 3. hard 4. fast
 5. excellent (well) 6. extremely
 7. well (excellent) 8. easily
 9. slowly 10. patiently

Task 6 (12 marks)

Complete the following passage with the correct forms of the verbs given in brackets. One has been done for you as an example.

1. attracts 2. take
 3. is not 4. were
 5. arrived 6. couldn't see
 7. noticed 8. decided
 9. comes (is coming) 10. wants
 11. is leaving 12. am

Task 7 (10 marks) Proofreading

Read the following blog. There is **ONE** mistake in each numbered line. Correct the mistakes according to the following instructions:

- **Underline** a word that is incorrect and write a correct word above it.
- Mark the position of a missing word with a “^” and write the missing word above it.
- Put a cross ‘X’ on the extra word.

REMEMBER! There is only **ONE** mistake in **EACH** NUMBERED line.

12 January, 2015

Hong Kong Food Blog

a

- e.g. My friend took me to the French restaurant last night.
- e.g. It was my first time ^ have French food in Hong Kong. The one we went
- e.g. to was in Wanchai. The place was quite small and it was h~~ave~~ decorated
1. with ^{some} beautiful paintings. It was ^{quite} noisy, although the restaurant generally
2. looked nice. Both of ^{us} ~~don't~~ read French, so we had to rely on the English
3. description of the foods. We ~~we~~ ordered mussels in white wine. It is a famous
4. French dish. I don't ~~very~~ like seafood but I thought it tasted good. My friend
5. didn't like it. He thought it was ^{too} salty.
6. For dessert, we ^{ordered} orders ice cream crepes. It had coffee ice cream with
7. pineapple. My friend did not like it because the pineapple ^{was} is not fresh;
8. it was from a can. I thought it was a bit too ^{sweet} ~~sweet~~.
9. Including the daily soup, we ended up ~~is~~ ^{about} paying around \$660 plus a 10%
10. service charge. I thought it ^{is was} expensive but I would go there again.

7

Part C Vocabulary (10 marks)

Tommy is writing in his diary about the summer camp that he is going to. Fill in the blanks with correct words from the box.

1. racket ✓2. coach ✓3. medal ✓4. skilful ✓5. tournament ✓6. gymnasium ✓7. spicy ✓8. sweet ✓9. sour (savoury) ✓10. fastastic ✓**Part D Phonics (10 marks)**

Task 1 (6 marks)

i, e, a, o, u

Write the word from the box that has the same vowel sound as the word in the bracket.

write	<u>rock</u>	name	sweet	pig	pet	port	<u>fat</u>
-------	-------------	------	-------	-----	-----	------	------------

1 (win) pig ✓ 2 (dream) name (sweet) ✓ 3 (pot) rock ✓

4 (fork) port ✓ 5 (men) pet ✓ 6 (fan) fat ✓

Task 2 (4 marks)

Write the word beside the symbol.

1 /ti:m/ team ✓ 2 /fɔ:m/ form ✓ 3 /bɒks/ books (box) ✓ 4 /hæm/ ham ✓

END OF ANSWER BOOKLET

(17)

S.1 MATHEMATICS II

Date : 19 JAN 2016

Time Allowed : 45 mins.

(P.1 – P.9 / 44)

INSTRUCTIONS

1. **ANSWER ALL QUESTIONS.** You are advised to use an HB pencil to mark all the answers on the Answer Sheet, so that wrong marks can be completely erased with a clean rubber. You must mark the answers clearly; otherwise you will lose marks if the answers cannot be captured.
 2. You should mark only **ONE** answer for each question. If you mark more than one answer, you will receive **NO MARKS** for that question.
 3. No marks will be deducted for wrong answers.
 4. The total score of this paper is 40 marks.
-

Section A (26 marks)

1. Which of the following expressions gives a **negative** value?

A. $(-3)(-4) +$

B. $(-3) - (-4) -$

C. $\frac{-3}{-4} +$

D. $(-3) + (-4) +$

2. $(+3) - (-3) \times (+3) =$

A. 12

B. 18

C. -6

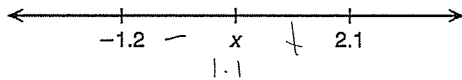
D. -12

3. Which of the following must be correct?

- I. 0 is a positive integer. ✗
- II. 10.5 is an opposite number of -10.5 . ✓
- III. A negative number is smaller than a positive number. ✓

- A. I only
- B. II only
- C. II and III only
- D. I and III only

4. -1.2 , x and 2.1 are three directed numbers marked on the horizontal number line below. Which of the following are possible values of x ?



- I. 2.2
- II. 1.1
- III. -2.1
- IV. -0.12

- A. I and III only
- B. I and IV only
- C. II and III only
- D. II and IV only

5. If $a = -3$ and $b = 4$, find the value of $(a - b)(a + b)$.

- A. 7
- B. -1
- C. -7
- D. -49

6. 'Divide 48 by x and subtract 5 from the quotient' can be written algebraically as

- A. $\frac{48}{x-5}$.
- B. $\frac{x}{48-5}$.
- C. $5 - \frac{48}{x}$.
- D. $\frac{48}{x} - 5$.

7. How many 20 cents stamps can you buy with $\$M$?

- A. $\frac{M}{20}$
- B. $2M$
- C. $5M$
- D. $20M$

8. Consider the sequence 2, 3, 5, 8, a , 17, b , 30, 38, 47, ...
Find the values of a and b .

- A. $a = 11, b = 22$
- B. $a = 11, b = 23$
- C. $a = 12, b = 22$
- D. $a = 12, b = 23$

9. Solve the equation $\frac{6+5x}{7} = 8$.

- A. $x = 10$
- B. $x = 12$
- C. $x = -10$
- D. $x = -12$

10. Solve the equation $\frac{x}{2} - \frac{x-3}{4} = 6$.

- A. 21.
- B. 27.
- C. 30.
- D. 36.

11. The perimeter of an equilateral triangle is 39 cm. If the length of one of its sides is $(2x + 3)$ cm, find the value of x .

- A. 5
- B. 6
- C. 7
- D. 8

3.5
 12. The price of a pen is \$0.5 less than three times the price of a pencil. If Kelvin pays \$86 to buy 12 pencils and 8 pens, find the price of a pen.

- A. \$2.5
- B. \$3.5
- C. \$5
- D. \$7

13. 4.5% of a number is 9. What is the number?

- A. 2000
- B. 200
- C. 20
- D. 2

$$9 \div 4.5\%$$

14. $y \times 200\% =$

- A. $200y$
- B. $2y$
- C. $\frac{y}{50}$
- D. $\frac{y}{100}$

15. The marked price of a table is \$2500 and the selling price is \$2000. Find the discount per cent.

- A. 15%
- B. 20%
- C. 25%
- D. 30%

$$\frac{500}{2500} \times 100\%$$

16. The cost price of a book is \$200 and it is sold for \$160. Find the loss per cent.

- A. 20%
- B. 25%
- C. 75%
- D. 80%

$$\frac{40}{200} \times 100\%$$

17. The price of a lamp is increased from \$120 to \$156. Find the percentage increase in the price.

- A. 20%
 B. 25%
 C. 30%
 D. 35%

$$\frac{156 - 120}{120} \times 100\%$$

18. Choose the appropriate unit for each of the following measurements.

	<u>Length of a pen</u>	<u>Height of a building</u>	<u>Length of a highway</u>
A.	m \otimes	km	cm
B.	cm	km	m
C.	cm \checkmark	m \checkmark	km \checkmark
D.	km	cm	m

19. Round off each number in the following expression correct to 1 decimal place, then estimate its value.

$$35.175 - 25.857 + 11.345$$

- A. 20.0
 B. 20.6
 C. 20.7
 D. 21.0

20. In each of the following, determine whether the number recorded in the news reports is the exact value or an estimated value.

- I. In 2014, the number of visitors to Hong Kong reached *60.8 million*. \otimes
 II. At present, the members of the Executive Council consists of *15* non-official members.

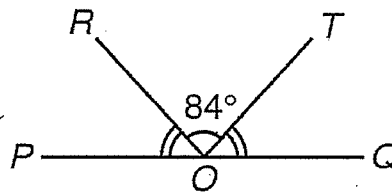
<u>I</u>	<u>II</u>
A. Exact value	Exact value
B. Exact value	Estimated value
C. Estimated value	Estimated value
D. Estimated value	Exact value

21. In the figure, POQ is a straight line. If $\angle ROT = 84^\circ$ and $\angle POR = \angle TOQ$, find $\angle POR$.

- A. 40°
 B. 48°
 C. 60°
 D. 72°

$$180^\circ - 84^\circ = 96^\circ$$

$$= 96^\circ \div 2$$



22. The angle through which the minute-hand of a clock has turned from 10:05 a.m. to 10:25 a.m. is
- A. an acute angle.
 - B. a right angle.
 - C. a reflex angle.
 - D. an obtuse angle.

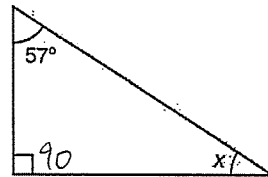
23. Which of the following sets of angles **cannot** be the three angles of a triangle?

- A. $20^\circ, 80^\circ, 80^\circ$ ✓
- B. $23^\circ, 52^\circ, 105^\circ$ ✓
- C. $40^\circ, 47^\circ, 103^\circ$ ✗ 190
- D. $1^\circ, 2^\circ, 177^\circ$ ✓

24. Find x in the figure.

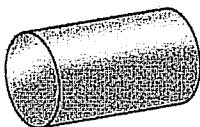
- A. 33°
- B. 37°
- C. 40°
- D. 43°

$$180^\circ - 90^\circ - 57^\circ$$

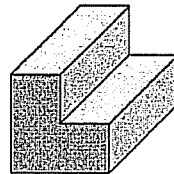


25. Which of the following solids does not have uniform cross-section(s)?

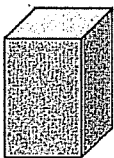
A.



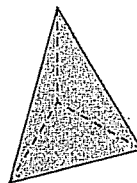
B.



C.

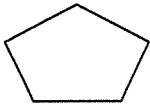


D.

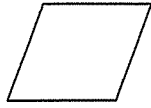


26. Which of the following figures is /are convex polygon(s)?

I.



II.



III.



- A. III only
 B. I and II only
 C. II and III only
 D. I, II and III

Section B (14 marks)

27. If $x - 2$ is a negative number, then which of the following must be **negative**?

- A. $x - 1$ ✓
 B. x
 C. $x - 3$ ✓
 D. $3x$

28. If $x = -2$, find the value of $x^3 - x^2 + x$.

- A. -14
 B. -6
 C. 6
 D. 14

29. Consider a sequence with the general term $2n^2 - 1$.
 Which of the following is **NOT** a term in the sequence?

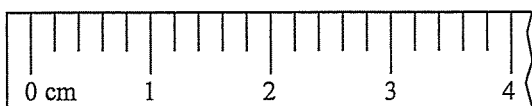
- A. 1 ✗
 B. 7
 C. 11
 D. 31

30. Simplify $-a - a - a - a$.

- A. $4a$
 B. $-4a$
 C. a^4
 D. $-a^4$

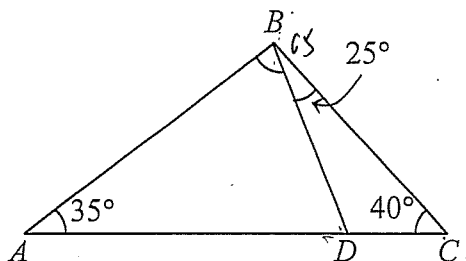
31. Simplify $(2x)(-y)(-x)(3y)(x)$.
- A. $6x^2y^2$
 - B. $-6x^2y$
 - C. $6x^3y^2$
 - D. $-6x^2y^3$
32. Solve the equation $(3c + 1) - 2(c - 2) = -(3c - 1)$.
- A. $c = -1$
 - B. $c = -\frac{1}{2}$
 - C. $c = 1$
 - D. $c = 2$
33. Peter buys 40 apples. He eats x apples every day. After a week, there are 19 apples left. Which of the following equations can be used to find the value of x ?
- A. $x + 19 = 40$
 - B. $x - 40 = 19$
 - C. $7x + 19 = 40$
 - D. $7x - 40 = 19$
34. Peter bought a box of 80 oranges for \$200. He found that 25 oranges were rotten and the rest were sold at \$3.6 each. Which of the following is true?
- A. Peter had a profit of \$20.
 - B. Peter had a profit of \$2.
 - C. Peter had a loss of \$2.
 - D. Peter had a loss of \$20.
35. Mr Lee gives some balls to 22 children. Each boy gets 4 balls and each girl gets 5 balls. Which of the following numbers **cannot** be the total number of balls?
- A. 85
 - B. 90
 - C. 95
 - D. 100

36. The scale interval of the following ruler is



- A. 0.1 cm.
 B. 0.2 cm.
 C. 0.5 cm.
 D. 1 cm.
37. x and y are two numbers. It is known that x is 25% greater than y . By what percentage is y less than x ?
- A. 15%
 B. 20%
 C. 25%
 D. 30%
38. A coat is sold at a discount of 30% for \$2100. Find the marked price.
- A. \$3000
 B. \$5000
 C. \$7000
 D. \$9000
39. In the figure, ABC is a triangle. $\angle BAC = 35^\circ$, $\angle DBC = 25^\circ$ and $\angle BCA = 40^\circ$. Find $\angle ABD$.

$$2100 - 30\%$$



- A. 65°
 B. 70°
 C. 75°
 D. 80°
40. Peter estimates $24.5 + 26.1 + 25.6 + 23.9 \approx 100$. Which estimation strategy has he used?
- A. Rounding up each number to the nearest integer
 B. Rounding down each number to the nearest integer
 C. Rounding off each number to the nearest integer
 D. Rounding off each number to the nearest ten

POK OI HOSPITAL TANG PUI KING MEMORIAL COLLEGE
Second Term Exam (2015-2016)
S1 Mathematics I

Date: 15 JUN 2016

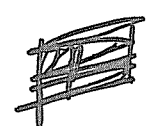
Time: 60 minutes

(P.1 - P.11 / 47)

0-1

Instructions to students:

1. Answer ALL questions on the spaces provided on this Question-Answer paper.
2. Unless otherwise specified, all working must be clearly shown.
3. The diagrams in this paper are not necessarily drawn to scale.
4. Total score of this paper is ~~98~~ marks.
88



Section A (30 marks)

Question 1.

Simplify the following expression. (2 marks)

$$(2w^2)(-3w^3)(4w^4)$$

$$(2w^2)(-3w^3)(4w^4)$$
$$= -24w^9$$

Question 2.

In the following, T_n is the general term of the sequence. Find the first 3 terms of the sequence.

(3 marks)

$$T_n = 5n$$

$$T_1 = 5(1)$$
$$= 5$$

$$T_2 = 5(2)$$
$$= 10$$

$$T_3 = 5(3)$$
$$= 15$$

Question 3.

Solve the equation $9 + 6x = -21$ (3 marks)

$$9 + 6x = -21$$

$$6x = -21 - 9$$

$$6x = -30$$

$$x = -5$$

Question 4.

Peter's monthly salary is \$8200. If he saves \$984 every month, what percentage of his monthly salary does he save? (3 marks)

Percentage of his monthly salary:

$$\frac{984}{8200} \times 100\%$$

$$= 12\%$$

0

Question 5.

(a) Round up 3.1416 to the nearest integer.

(b) Round off 3.1416 to the nearest integer.

(2 marks)

a) 4

b) 3

Question 6.

By rounding down each number to the nearest ten, estimate the value of

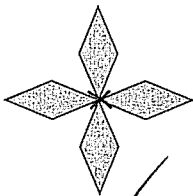
$$342 + 187 + 251 + 628.$$

(2 marks)

$$\begin{aligned} & \cancel{342} + \cancel{187} + \cancel{251} + \cancel{628} \\ & = 340 + 180 + 250 + 620 \\ & = 1390 \end{aligned}$$

Question 7.

Determine whether the following figure has rotational symmetry. If yes, put a 'x' to indicate the centre of rotation, and write down its order of rotational symmetry.



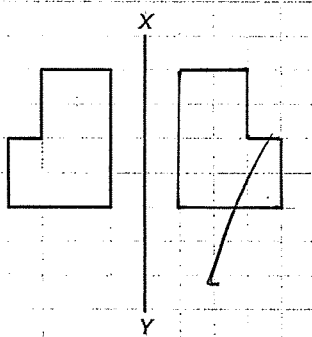
4

- fold rotational symmetry

(2 marks)

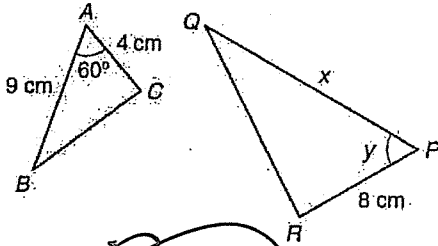
Question 8.

Draw the image of the following figure after reflecting about XY. (2 marks)



Question 9.

In the figure, $\triangle ABC \sim \triangle PQR$. Find the unknowns x and y . (2 marks)



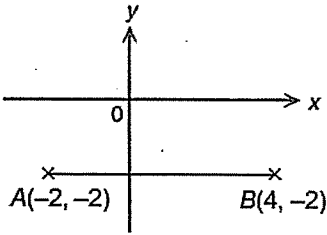
$\therefore \triangle ABC \sim \triangle PQR$
 $\therefore AB \sim PQ$
 $x = 9(2)$
 $x = 18$

$\angle P = \angle A$
 $y = 60^\circ$

$\therefore \angle BAC \sim \angle QPR$
 $\angle A \sim \angle P$
 $y = 60^\circ(2)$
 $y = 120^\circ$

Question 10.

In the figure, find the length of the line segment AB . (2 marks)

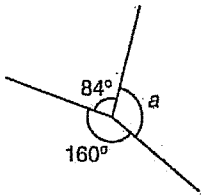


The length of the line segment AB :

$4 - (-2)$
 $= 4 + 2$
 $= 6 \text{ units}$

Question 11.

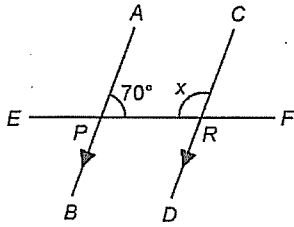
Find a in the following figure. (2 marks)



$a + 84^\circ + 160^\circ = 360^\circ$ (\angle s at a pt.)
 $a = 360^\circ - 84^\circ - 160^\circ$
 $a = 116^\circ$

Question 12.

In the figure, $AB \parallel CD$ and $EPRF$ is a straight line. Find x . (2 marks)

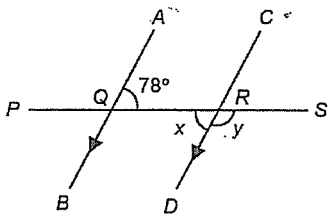


$$70^\circ + x = 180^\circ \quad (\text{alt. } \angle\text{s equal})$$

$$x = 110^\circ$$

Question 13.

In the figure, $AB \parallel CD$ and $PQRS$ is a straight line. Find x and y . (3 marks)



$$78^\circ = x \quad (\text{int. } \angle\text{s equal})$$

$$x = 78^\circ$$

$$x + y = 180^\circ \quad (\text{adj. } \angle\text{s on st. line})$$

$$78^\circ + y = 180^\circ$$

$$y = 180^\circ - 78^\circ$$

$$y = 102^\circ$$

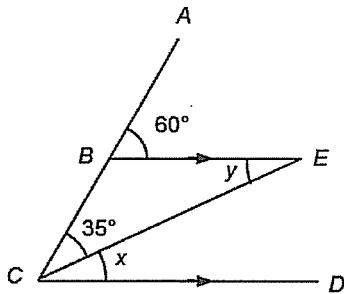
Section B (28 marks)

Question 1.

In the figure, $BE \parallel CD$ and ABC is a straight line. $\angle BCE = 35^\circ$ and $\angle ABE = 60^\circ$.

Find x and y .

(4 marks)



$$60^\circ = 35^\circ + x \quad (\text{corr. } \angle\text{s on st. line})$$

$$x = 60^\circ - 35^\circ$$

$$x = 25^\circ$$

$$y = x \quad (\text{int. } \angle\text{s on st. line})$$

$$y = 25^\circ$$

Question 2.

Simplify the following expressions.

(5 marks)

(a) $\frac{6x^2 \times 7x^5}{2x^9}$

(b) $6y^{12} \div y^3 \div (-y^4)$

a) $\frac{6x^2 \times 7x^5}{2x^9}$

$$= \frac{42x^7}{2x^9}$$

$$= \frac{21x^7}{x^2}$$

$$= \frac{21x^5}{x^2}$$

$$= 21x^3$$

b) $6y^{12} \div y^3 \div (-y^4)$

$$= \frac{6y^{12}}{y^3} \div (-y^4)$$

$$= 6y^9 \div (-y^4)$$

$$= \frac{6y^9}{-y^4}$$

$$= -6y^5$$

$$= 21x^3$$

$$\left(\frac{6x^2 \times 7x^5}{2x^9} = \frac{6 \times 7 \times x^{2+5}}{2x^9} \right)$$

$$= \frac{42x^7}{2x^9}$$

$$= \frac{21x^7}{x^2}$$

$$= \frac{21x^5}{x^2}$$

2

Question 3.

(a) Expand $(x+5)(x+12)$

(b) Expand $(-3y)(2x-5y+6y^2)$

(c) Simplify $(6x^2-8y+5)-(7y-4x^2-7)$

(6 marks)

a) $(x+5)(x+12)$

$= x(x+12) + 5(x+12)$

$= x^2 + 12x + 5x + 60$

$= x^2 + 17x + 60$

b) $(-3y)(2x-5y+6y^2)$

$= -6yx + 15y^2 - 18y^3$

$= -18y^3 + 15y^2 - 6yx$

c) $(6x^2-8y+5)-(7y-4x^2-7)$

$= 6x^2 - 8y + 5 - 7y + 4x^2 + 7$

$= 6x^2 + 4x^2 - 8y - 7y + 5 + 7$

$= 10x^2 - 15y + 12$

Question 4.

The stem-and-leaf diagram below shows the scores of a group of students in an English test.

Scores in an English test

Stem (10)	Leaf (1)
5	7 8 2
6	0 0 1 3 7 8 9 1
7	1 2 2 5 6 8 6
8	0 2 5 8 4
9	5

(a) How many students are there in the group?

(b) What is the highest score in the test?

(c) How many students have a score of 60 or below?

(3 marks)

a) 20 students

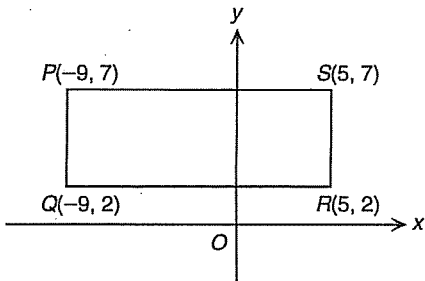
b) 95

c) 4 students

-0

Question 5.

The figure shows a quadrilateral with vertices $P(-9, 7)$, $Q(-9, 2)$, $R(5, 2)$ and $S(5, 7)$.



(a) Find the lengths of PQ and SP .

(b) Find the perimeter of quadrilateral $PQRS$.

(5 marks)

a) The lengths of PQ :

$$7 - 2$$

$$= 5 \text{ units}$$

The lengths of SP :

$$5 - (-9)$$

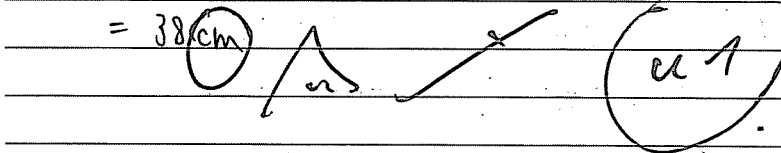
$$= 5 + 9$$

$$= 14 \text{ units}$$

b) The perimeter of quadrilateral $PQRS$:

$$(5 + 14) \times 2$$

$$= 38 \text{ cm}$$



Question 6.

Solve the equation $x + 2 = 2(3 - x) + 5$.

(5 marks)

$$x + 2 = 2(3 - x) + 5$$

$$x + 2 = 6 - 2x + 5$$

$$x + 2x = 6 + 5 - 2$$

$$3x = 9$$

$$x = 3$$

Section C : (30 marks)

Question 1.

(5 marks)

(a) Expand $(x-6)(x^2-4x-8)$.

(b) Simplify $(2x^2+10)-(x-6)(x^2-4y-8)$, and arrange the terms in descending powers of x .

a) $(x-6)(x^2-4x-8)$

$$= x(x^2-4x-8) - 6(x^2-4x-8)$$

$$= x^3 - 4x^2 - 8x - 6x^2 + 24x + 48$$

$$= x^3 - 4x^2 - 6x^2 - 8x + 24x + 48$$

$$= x^3 - 10x^2 + 16x + 48$$

b) $(2x^2+10) - (x-6)(x^2-4y-8)$

$$= (2x^2+10) - x(x^2-4y-8) - 6(x^2-4y-8)$$

$$= (2x^2+10) - x^3 + 4xy + 8x - 6x^2 + 24y + 48$$

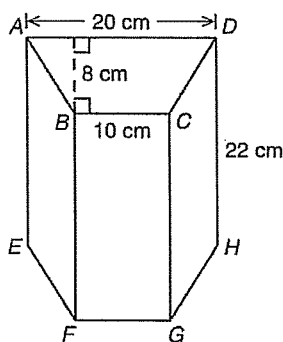
$$= 2x^2 + 10 - x^3 + 4xy + 8x + 6x^2 - 24y - 48$$

$$= x^3 + 2x^2 + 6x^2 - 4xy - 8x - 24y + 10 - 48$$

$$= x^3 + 8x^2 - 4xy - 8x - 24y - 38$$

Question 2.

Find the volume of the prism in the figure.



Section C No. (b)

$$(2x^2+10) - (x-6)(x^2-4y-8)$$

$$= 2x^2 + 10 - [(x^2 - 4y - 8)(x - 6)]$$

$$= 2x^2 + 10 - [x(x^2 - 4y - 8) - 6(x^2 - 4y - 8)]$$

$$= 2x^2 + 10 - [x^3 - 4xy - 8x - 6x^2 + 24y + 48]$$

$$= 2x^2 + 10 - x^3 + 4xy + 8x + 6x^2 - 24y - 48$$

$$= -x^3 + 2x^2 + 6x^2 + 8x + 4xy - 24y + 10 - 48$$

$$= -x^3 + 8x^2 + 8x + 4xy - 24y - 38$$

The volume of the prism:

$$(20 \div 2) \times 8 \div 2 \times 22$$

$$= 30 \times 8 \div 2 \times 22$$

$$= 240 \div 2 \times 22$$

$$= 120 \times 22$$

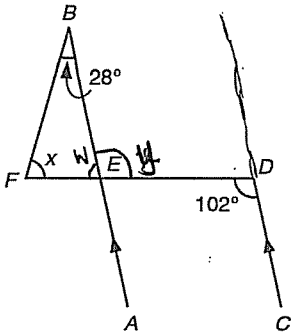
$$= 2640 \text{ cm}^3$$

Question 3.

In the figure, AEB and DEF are straight lines. $AB \parallel CD$, $\angle ABF = 28^\circ$ and $\angle CDE = 102^\circ$.

Find x .

(5 marks)



$$y = 102^\circ \text{ (int. } \angle\text{s equal)}$$

$$w + y = 180^\circ \text{ (adj. } \angle\text{s on st. line)}$$

$$w + 102^\circ = 180^\circ$$

$$w = 180^\circ - 102^\circ$$

$$w = 78^\circ$$

$$w + x + 28^\circ = 180^\circ \text{ (} \angle\text{s sum of } \triangle)$$

$$78^\circ + x + 28^\circ = 180^\circ$$

$$x = 180^\circ - 78^\circ - 28^\circ$$

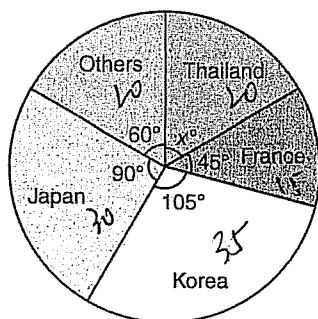
$$x = 74^\circ$$

Question 4.

The pie chart below shows the favourite travelling countries of S1 students in a school.

There are 35 S1 students whose favourite country is Korea.

Favourite travelling countries of
S1 students in a school



(5 marks)

- (a) Find the value of x .
 (b) How many students are there in S1?
 (c) Find the number of S1 students whose favourite country is France.

a) The value of x :

$$x + 60^\circ + 90^\circ + 105^\circ + 45^\circ = 360^\circ$$

$$x = 360^\circ - 60^\circ - 90^\circ - 105^\circ - 45^\circ$$

$$x = 60^\circ$$

b) 120 students

$$c) 45^\circ \div 3 = 15 \text{ students}$$

$$b) 35 \div \frac{105^\circ}{360^\circ} = 35 \times \frac{360^\circ}{105^\circ} = 120$$

$$c) 120 \times \frac{45^\circ}{360^\circ} = 15$$

12

Question 5.

May is now x years old. Rebecca's age is 3 times May's age.

(5 marks)

(a) Express in terms of x , 3 years later.

- (i) May's age,
- (ii) Rebecca's age

(b) Three years later, Rebecca's age will be 7 years more than 2 times May's age. Find their present ages.

ai) May's age: $x+3$
 $= (3x)$ years old

aii) Rebecca's age: $3x+3$
 $= (3x+3)$ years old

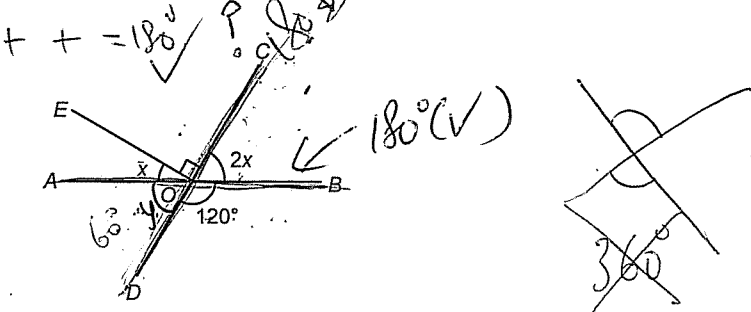
b) May's present age: $(x-3-7)$ years old

Rebecca's present age: $(3x-3-7)$ years old

b) $2(x+3)+7 = 3x+3$
 $2x+6+7 = 3x+3$

Question 6. $2x+13 = 3x+3$
 $2x-3x = 3-13$
 $-x = -10 \Rightarrow x = \frac{-10}{-1} \Rightarrow x = 10$

In the figure, AOB is a straight line. $\angle BOD = 120^\circ$ and $\angle COE = 90^\circ$. (5 marks)



(a) Find x .

(b) Is $\angle COD$ a straight angle? Explain your answer.

a) $x+90^\circ + 2x = 180^\circ$ (adj. \angle s on st. line)
 $3x = 90^\circ$
 $x = 30^\circ$

b) Yes. $y+120^\circ = 180^\circ$
 $y+30^\circ+90^\circ = 180^\circ$
 $y = 180^\circ - 30^\circ - 90^\circ$
 $y = 60^\circ$
 $\therefore \angle COD$ is a straight angle.

b) $2(30^\circ)+120^\circ = 180^\circ$
 $60^\circ + 120^\circ = 180^\circ$
 $\therefore \angle AOC$ is a straight angle.

-5

POK OI HOSPITAL TANG PU KING MEMORIAL COLLEGE
 Second Term Exam (2015-2016)
 S1 Mathematics I (Answers)

Class: _____ Date: _____
 Name: _____ Time: 60 minutes
 Class No.: _____ (P.1 - P.6 / 47)

Instructions to students:

1. Answer ALL questions on the spaces provided on this Question-Answer paper.
2. Unless otherwise specified, all working must be clearly shown.
3. The diagrams in this paper are not necessarily drawn to scale.
4. Total score of this paper is 98 marks.

Section A (30 marks)

Question 1.

$$(2w^2)(-3w^3)(4w^4) = 2 \times (-3) \times 4 \times w^2 \times w^3 \times w^4 \quad /M$$

$$= -24w^{2+3+4} \quad /A$$

$$= -24w^9 \quad /A$$

Question 2.

(a) $T_1 = 5(1) = 5 \quad /A$
 $T_2 = 5(2) = 10 \quad /A$
 $T_3 = 5(3) = 15 \quad /A$

Question 3.

$$9 + 6x = -21 \quad /M$$

$$6x = -21 - 9 \quad /A$$

$$6x = -30$$

$$x = \frac{-30}{6}$$

$$x = -5 \quad /A$$

Question 4.

The required percentage = $\frac{984}{8200} \times 100\% \quad /M + /A$
 $= 12\% \quad /A$

Question 5.

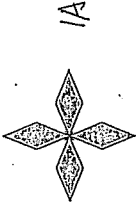
(a) $3.1416 = \frac{4}{1} \quad (\text{round up to the nearest integer}) \quad /A$
 (b) $3.1416 = \frac{3}{1} \quad (\text{round down to the nearest integer}) \quad /A$

Question 6.

By rounding down,
 $342 + 187 + 251 + 628 \approx 340 + 180 + 250 + 620 \quad /M$
 $= 1390 \quad /A$

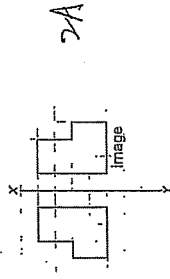
Question 7.

The figure has rotational symmetry and its order of rotational symmetry is 4.



4-fold rotational symmetry /A

Question 8.



Question 9.

$\therefore \triangle ABC \sim \triangle PQR$
 \therefore Their corresponding angles are equal and their corresponding sides are proportional.
 $\therefore \angle P = \angle A$
 $y = 60^\circ \quad /A$

$$\frac{QP}{BA} = \frac{PR}{AC}$$

$$x = \frac{8 \text{ cm}}{9 \text{ cm}} \cdot 4 \text{ cm}$$

$$x = \frac{32}{9} \text{ cm} \quad /A$$

Question 10.
 $AB = [4 - (-2)] \text{ units} = 6 \text{ units} \quad /A$
 /M

Question 11.

$$a + 84^\circ + 160^\circ = 360^\circ \quad IM$$

$$a = 360^\circ - 160^\circ - 84^\circ$$

$$= 116^\circ \quad IA$$

Question 12.

$$x + 70^\circ = 180^\circ \quad IM$$

$$x = 110^\circ \quad IA$$

Question 13.

$$x = 78^\circ \quad IA$$

$$x + y = 180^\circ \quad IM$$

$$78^\circ + y = 180^\circ$$

$$y = 102^\circ \quad IA$$

Section B (28 marks)

Question 1.

$\angle BCD = \angle ABE$ (corr. \angle s, $BE \parallel CD$)
 $x + 35^\circ = 60^\circ \quad IM$
 $x = 25^\circ \quad IA$
 $y = x \quad IM$ (alt. \angle s, $BE \parallel CD$)
 $= 25^\circ \quad IA$

Question 2.

$$(a) \frac{6x^2 \times 7x^5}{2x^9} = \frac{6 \times 7 \times x^{2+5}}{2x^9} \quad IM + IA$$

$$= \frac{21}{x^2} \cdot 1$$

$$= \frac{21}{x^2} \quad IA$$

$$(b) \frac{6y^{12} \div y^9 \div (-y^4)}{y^3 \div (-y^4)} = \frac{6y^{12}}{(y^3)(y^4)} \quad IM$$

$$= \frac{6y^9}{-y^7} \quad IA$$

$$= -6y^2 \quad IA$$

Question 3.

$$(a) (x+5)(x+12) = (x+5)(x) + (x+5)(12) \quad IM$$

$$= x^2 + 5x + 12x + 60$$

$$= x^2 + 17x + 60 \quad IA$$

$$(b) (-3y)(2x-5y+6y^2) \quad IM$$

$$= (-3y)(2x) - (-3y)(5y) + (-3y)(6y^2) \quad IM$$

$$= -6xy + 15y^2 - 18y^3 \quad IA$$

$$(c) (6x^2 - 8y + 5) - (7y - 4x^2 - 7) \quad IM$$

$$= 6x^2 - 8y + 5 - 7y + 4x^2 + 7 \quad IM$$

$$= 10x^2 - 15y + 12 \quad IA$$

Question 4.

(a) There are $2 + 7 + 6 + 4 + 1 = 20$ students in the group. IA

(b) The highest score in the test is 95. IA

(c) Number of students who have a score of 60 or below
 $= 2 + 2$
 $= 4 \quad IA$

Question 5.

(a) $PQ = (7-2)$ units = 5 units IA

$SP = [5 - (-9)]$ units = (5+9) units = 14 units IM

(b) Perimeter of quadrilateral PQRS

$$= PQ + QR + RS + SP$$

$$= (5+14+5+14)$$
 units $IM + IA$
 $= 38$ units IA

Question 6.

$$x+2 = 2(3-x) + 5$$

$$x+2 = 6-2x+5 \quad IM \text{ for expand } () + IA$$

$$x+2 = 11-2x \quad IA$$

$$x+2x = 11-2 \quad IA$$

$$3x = 9$$

$$x = \frac{9}{3}$$

$$x = 3 \quad IA$$

POK OI HOSPITAL TANG PUI KING MEMORIAL COLLEGE

Second Term Exam (2015-2016)

S1 Mathematics II (Answers)

Class: _____

Date: _____

Name: _____

Time: 45 minutes

Class No.: _____

(P.1 - P.12 / 47)

Instructions to students:

1. Answer ALL questions on the spaces provided on the multiple choice answer sheet.
2. The diagrams in this paper are not necessarily drawn to scale.
3. Total score of this paper is 40 marks.

You may only mark ONE answer to each question. Two or more answers will score No Marks.

Section A: Elementary Questions (26 marks)

Question 1.

D

Since each division represents 2 units, R represents -2 and S represents 6.

Question 2.

C

From the number line, $a < b < 0$ and $c > 0$.

$\therefore a + b < 0 < c$ and $a - b < 0$

Moreover, consider the following case:

$a = -2, b = -1$ and $c = 3$

$b - a = -1 - (-2) = -1 + 2 = 1 < 3 = c$

$\therefore b - a > c$ may not be true.

\therefore The answer is C.

Question 3.

C

When $a = 5$ and $b = 3, H = 5^2 + 2(3)$

$= 25 + 6$

$= 31$

Question 4

C

Question 5.

B

$9x + 11 = 2$

$9x = 2 - 11$

$9x = -9$

$x = \frac{-9}{9}$

$x = -1$

Question 6.

B

$6(x - 7) = 5(5x + 3)$

$6x - 42 = 25x + 15$

$6x - 25x = 15 + 42$

$-19x = 57$

$x = \frac{57}{-19}$

$x = -3$

Question 7.

B

The required number $= 6 \times 15\%$

$= 6 \times \frac{15}{100}$

$= 0.9$

Question 8.

D

Let \$y be Daniel's monthly income.

$y \times 40\% = 4000$

$y = 4000 \div 40\%$

$= 4000 \times \frac{100}{40}$

$= 10\ 000$

\therefore Daniel's annual income $= \$10\ 000 \times 12 = \underline{\underline{\$120\ 000}}$

Question 9.

B

Section C : (30 marks)

Question 1.

(a) $(x-6)(x^2 - 4x - 8) = (x-6)(x^2) - (x-6)(4x) - (x-6)(8)$ *IM*
 $= x^3 - 6x^2 - (4x^2 - 24x) - (8x - 48)$
 $= x^3 - 6x^2 - 4x^2 + 24x - 8x + 48$
 $= x^3 - 10x^2 + 16x + 48$ *IA*

(b) $(2x^2 + 10) - (x-6)(x^2 - 4x - 8) = (2x^2 + 10) - (x^3 - 10x^2 + 16x + 48)$ *(from (a))*
 $= 2x^2 + 10 - x^3 + 10x^2 - 16x - 48$ *IM for take away (-), change all terms sign*
 $= -x^3 + 2x^2 + 10x^2 - 16x + 10 - 48$ *IM put like terms together*
 $= -x^3 + 12x^2 - 16x - 38$ *IA*

Question 2.

Area of trapezium $ABCD = \frac{1}{2} \times (10 + 20) \times 8 \text{ cm}^2$ *IM + IA*
 $= 120 \text{ cm}^2$ *IA*
 Volume of the prism $= 120 \times 22 \text{ cm}^3$ *IM*
 $= 2640 \text{ cm}^3$ *IA*

Question 3.

$\angle AEF = \angle CDE$ (corr. \angle s, $AB \parallel CD$)
 $= 102^\circ$ *IA*
 $\angle BEF + \angle AEF = 180^\circ$ (adj. \angle s on st. line)
 $\angle BEF + 102^\circ = 180^\circ$ *IM*
 $\angle BEF = 78^\circ$ *IA*
 In $\triangle BEF$,
 $\angle BFE + \angle BEF + \angle BEF = 180^\circ$ (\angle sum of \triangle)
 $x + 28^\circ + 78^\circ = 180^\circ$ *IM*
 $x = 74^\circ$ *IA*

Question 4.

(a) \therefore The size of a round angle $= 360^\circ$
 $\therefore x^\circ + 45^\circ + 105^\circ + 90^\circ + 60^\circ = 360^\circ$ *IM for 360*
 $x^\circ = 360^\circ - 45^\circ - 105^\circ - 90^\circ - 60^\circ$
 $x = 60$ *IA*
 (b) Number of students in S1 $= 35 + \frac{105^\circ}{360^\circ}$ *IM*
 $= 35 + \frac{360^\circ}{105^\circ}$
 $= 120$ *IA*

(c) The required number of S1 students $= 120 \times \frac{45^\circ}{360^\circ}$
 $= 15$ *IA*

Question 5.

(a) (i) $x + 3$ *IA*
 (ii) $3x + 3$ *IA*

(b) $2(x+3) + 7 = 3x + 3$ *IM*
 $2x + 6 + 7 = 3x + 3$
 $2x + 13 = 3x + 3$
 $2x - 3x = 3 - 13$
 $-x = -10$
 $x = 10$
 $x = \frac{-10}{-1}$

\therefore May is 10 years old and Rebecca is 30 years old.

1A + 1A for Rebecca's age for May's age

Question 6.

(a) $\angle AOE + \angle COE + \angle BOC = 180^\circ$ (adj. \angle s on st. line)
 $x + 90^\circ + 2x = 180^\circ$ *IM*
 $3x = 90^\circ$
 $x = 30^\circ$ *IA*
 (b) $\angle BOC + \angle BOD = 2(30^\circ) + 120^\circ$ *IM*
 $= 180^\circ$ *IA*
 $\therefore \angle COD$ is a straight angle. *IA*

END OF PAPER

$$1239.7 + 335.4 + 80.6 + 4.4 \\ \approx 1240 + 340 + 90 + 10 \\ = \underline{1680}$$

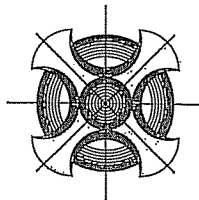
Question 10. B

Question 11. B

An acute angle is an angle between 0° and 90° .

Question 12. D

Question 13. B



The figure has 4 axes of symmetry.

Question 14. D

Only I, III and IV have reflectional symmetry.

Question 15. A

$$\therefore \text{Area of } \triangle BCD = \frac{1}{2} \times BC \times DA$$

$$\therefore DA = \frac{2 \times 8}{4} \text{ cm} \\ = 4 \text{ cm}$$

$$\text{Area of } \triangle ABD = \frac{1}{2} \times AB \times DA \\ = \frac{1}{2} \times 3 \times 4 \text{ cm}^2 \\ = \underline{6 \text{ cm}^2}$$

Question 16. B

Let h cm and $(8 - h)$ cm be the heights of trapeziums $ABEF$ and $BCDE$ respectively.

Area of polygon $ABCDEF$

$$= \left[\frac{1}{2} \times (12 + 6) \times h + \frac{1}{2} \times (6 + 12) \times (8 - h) \right] \text{ cm}^2 \\ = [9h + 9(8 - h)] \text{ cm}^2 \\ = (9h + 72 - 9h) \text{ cm}^2 \\ = \underline{72 \text{ cm}^2}$$

Question 17. C

$\therefore \angle A$ and $\angle Q$, $\angle B$ and $\angle R$, $\angle C$ and $\angle P$ are pairs of corresponding angles. AB and QR , BC and RP , CA and PQ are pairs of corresponding sides.

$\therefore \triangle CAB \cong \triangle PQR$

Question 18. D

Question 19. A

Question 20.

B

$AB = [-2 - (-4)]$ units = 2 units

Question 21.

B

$x + 62^\circ = 128^\circ$ (vert. opp. \angle s)

$x = \underline{66^\circ}$

Question 22.

D

Question 23.

C

$(-3a^2)(-5a^3) = -3 \times -5 \times a^2 \times a^3$
 $= 15a^{2+3}$
 $= \underline{15a^5}$

Question 24.

A

$4a^4b \times \frac{a^3b^5}{8} = \frac{4}{8} \times a^{4+3} \times b^{1+5}$
 $= \frac{1}{2} a^7 b^6$

Question 25.

D

Total amount of pocket money of these 5 students = $\$(70 + 60 + 50 + 80 + 70)$
 $= \underline{\$330}$

Question 26

C

$\frac{3x+1}{2} = 5$

$\frac{3x+1}{2} \times 2 = 5 \times 2$

$3x+1 = 10$

$3x+1-1 = 10-1$

$3x = 9$

$\frac{3x}{3} = \frac{9}{3}$

$x = 3$

Section B: Harder Questions (14 marks)

Question 27.

B

The temperature at night

$= (-10 + 15 - 6)^\circ\text{C}$

$= \underline{-1^\circ\text{C}}$

Question 28.

D

Number of students who are heavier than 56 kg = $4 + 11 + 2$

$= \underline{17}$

Question 29.

A

Angle at the centre of the sector representing 'tax' = $360^\circ - 200^\circ - 56^\circ - 44^\circ$

$= 60^\circ$

Expenditure on tax = $\$6\,000\,000 \times \frac{60}{360}$

$= \underline{\underline{\$1\,000\,000}}$

Question 30.

C

$$p(p+q) + q(p-2) = p^2 + pq + qp - 2q$$

$$= p^2 + 2pq - 2q$$

Question 31.

C

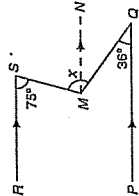
$$(7x^4 + 2 - 3x^2) - (1 - 2x^2 + 2x^3) = 7x^4 + 2 - 3x^2 - 1 + 2x^2 - 2x^3$$

$$= 2 - 1 - 3x^2 + 2x^2 - 2x^3 + 7x^4$$

$$= 1 - x^2 - 2x^3 + 7x^4$$

Question 32.

C
 Draw a straight line MN such that $MN \parallel PQ \parallel RS$.



$\angle SMN = 75^\circ$ (alt. \angle s, $RS \parallel MN$)
 $\angle NMQ = 36^\circ$ (alt. \angle s, $MN \parallel PQ$)
 $\therefore x = \angle SMN + \angle NMQ$
 $= 75^\circ + 36^\circ$
 $= 111^\circ$

Question 33.

C
 $\angle BGC = 43^\circ$ (vert. opp. \angle s)
 $\therefore \angle ECD + \angle BGC = 137^\circ + 43^\circ$
 $= 180^\circ$
 $\therefore EC \parallel BH$ (int. \angle s supp.)
 $\angle ABH + 222^\circ = 360^\circ$ (\angle s at a pt.)
 $\angle ABH = 138^\circ$
 $\angle CFB = a$ (vert. opp. \angle s)
 $\angle CFB + \angle ABH = 180^\circ$ (int. \angle s, $EC \parallel BH$)
 $a + 138^\circ = 180^\circ$
 $a = 42^\circ$

Question 34.

A
 $\therefore \angle APF = \angle CRF$
 $\therefore AB \parallel CD$ (corr. \angle s equal)

Question 35.

D
 For I,
 $\angle EHD + 106^\circ = 180^\circ$ (adj. \angle s on st. line)
 $\angle EHD = 74^\circ$
 $\therefore \angle EHD = \angle EGB$
 $\therefore AB \parallel CD$ (corr. \angle s equal)
 For II,
 $\angle ABE + 302^\circ = 360^\circ$ (\angle s at a pt.)
 $\angle ABE = 58^\circ$
 $\therefore \angle ABE = \angle BED$
 $\therefore AB \parallel CD$ (alt. \angle s equal)
 For III,
 $\angle AGH = 63^\circ$ (vert. opp. \angle s)
 $\therefore \angle AGH + \angle CHG = 63^\circ + 117^\circ$
 $= 180^\circ$
 $\therefore AB \parallel CD$ (int. \angle s supp.)
 \therefore In the figures I, II and III, $AB \parallel CD$.
 \therefore The answer is D.

Question 36.

B
 Area of quadrilateral $ABCD = \text{area of } \triangle ABD + \text{area of } \triangle BCD$
 $= \frac{1}{2} \times BD \times OA + \frac{1}{2} \times BD \times OC$
 $= \left(\frac{1}{2} \times 8 \times 4 + \frac{1}{2} \times 8 \times 2 \right)$ sq. units
 $= 24$ sq. units

Question 37.

B
 The coordinates of $A' = (-3, -(-9)) = (-3, 9)$

Question 38.

C

According to the properties of similar triangles,

$$\frac{PQ}{XY} = \frac{QR}{YZ} = \frac{PR}{XZ}$$

$$\frac{x}{2} = \frac{y}{3} = \frac{6}{4}$$

$$\therefore x = \underline{3}, y = \underline{4.5}$$

Question 39.

C

 $\triangle ADB \cong \triangle CBD$ (SAS)

Question 40.

C

$$\frac{1}{2} + \frac{x-1}{3} = \frac{x+2}{4}$$

$$\left(\frac{1}{2} + \frac{x-1}{3}\right) \times 12 = \left(\frac{x+2}{4}\right) \times 12$$

$$6 + 4(x-1) = 3(x+2)$$

$$6 + 4x - 4 = 3x + 6$$

$$4x - 3x = 4$$

$$x = \underline{4}$$

END OF PAPER

POK OI HOSPITAL TANG PUI KING MEMORIAL COLLEGE
Second Term Exam (2015-2016)
S1 Mathematics II

Date: 15 JUN 2016

Time: 45 minutes

(P.1 – P.12 / 47)

Instructions to students:

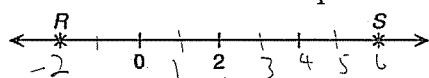
1. Answer ALL questions on the spaces provided on the multiple choice answer sheet.
2. The diagrams in this paper are not necessarily drawn to scale.
3. Total score of this paper is 40 marks.

You may only mark ONE answer to each question. Two or more answers will score No Marks.

Section A: Elementary Questions (26 marks)

Question 1.

What are the numbers represented by R and S ?

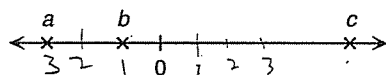


- | | | |
|----|-----|-----|
| | R | S |
| A. | -1 | 4 |
| B. | -1 | 6 |
| C. | -2 | 4 |
| D. | -2 | 6 ✓ |

(D)

Question 2.

Referring to the following number line, which of the following MUST be true?



- | | |
|----|---------------|
| A. | $a + b > 0$ ✗ |
| B. | $a - b > 0$ |
| C. | $a + b < c$ ✓ |
| D. | $b - a > c$ |

(C)

Question 3.

Given the formula $H = a^2 + 2b$, find the value of H when $a = 5$ and $b = 3$.

- | | |
|----|----|
| A. | 16 |
| B. | 19 |
| C. | 31 |
| D. | 33 |

(C)

Question 4.

Find the 7th term of the sequence 96, 48, 24, 12, ...

- A. 6
 B. 3
 C. $\frac{3}{2}$
 D. $\frac{3}{4}$

(C)

Question 5.

Solve the equation $9x + 11 = 2$.

- A. $x = -\frac{3}{2}$
 B. $x = -1$
 C. $x = 1$
 D. $x = \frac{3}{2}$

(B)

Question 6.

Solve the equation $6(x - 7) = 5(5x + 3)$.

- A. $x = 0$
 B. $x = -3$
 C. $x = -6$
 D. $x = -\frac{3}{2}$

(B)

Question 7.

What is 15% of 6?

- A. 9
 B. 0.9
 C. 4
 D. 0.4

(B)

Question 8.

Daniel spends \$4000 on rent, which is 40% of his monthly income. His annual income is

- A. \$10 000.
 B. \$48 000.
 C. \$96 000.
 D. \$120 000.

$$\text{Rent: } 4000 \div 40\%$$

(D)

Question 9.

Estimate the value of $1239.7 + 335.4 + 80.6 + 4.4$ by rounding up each number to the nearest ten.

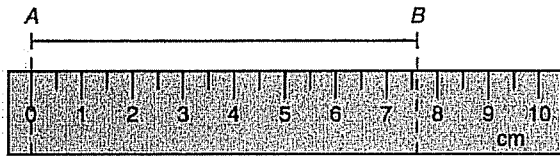
- A. 1660
 B. 1680
 C. 1720
 D. 1760

$$1200 + 340 + 80 + 5$$

(B)

Question 10.

In the figure, the measured length of the line segment AB is

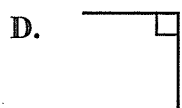
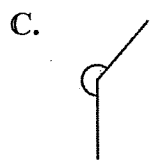


- A. 7 cm.
- B. 7.5 cm.
- C. 7.6 cm.
- D. 8 cm.

(B)

Question 11.

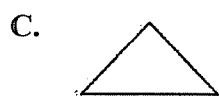
Which of the following angles is an acute angle?



(B)

Question 12.

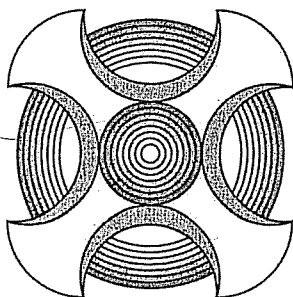
Which of the following figures is not a convex polygon?



(D)

Question 13.

How many axes of symmetry does the following figure have?

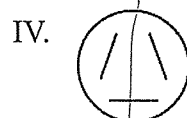


B

- A. 2
- B. 4
- C. 6
- D. 8

Question 14.

Which of the following figures has/have reflectional symmetry?

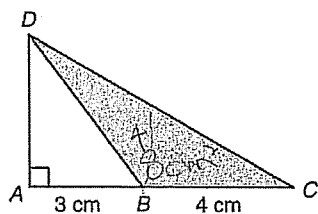


D

- A. II only
- B. III only
- C. I, II and IV only
- D. I, III and IV only

Question 15.

If the area of $\triangle BCD$ in the figure is 8 cm^2 , find the area of $\triangle ABD$.

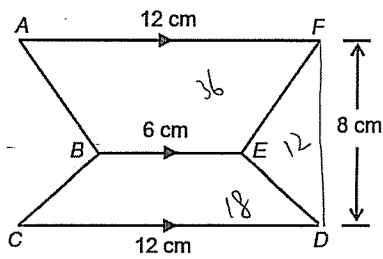


A

- A. 6 cm^2
- B. 14 cm^2
- C. 16 cm^2
- D. 20 cm^2

Question 16.

In the figure, $ABEF$ and $BCDE$ are trapeziums. Find the area of polygon $ABCDEF$.



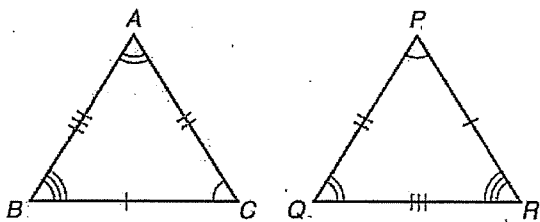
- A. 48 cm^2
- B. 72 cm^2
- C. 84 cm^2
- D. 96 cm^2

12

(B)

Question 17.

Which of the following describes the relationship between the two triangles in the figure correctly?

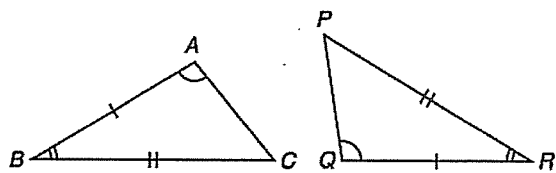


- A. $\triangle ABC \cong \triangle PQR$ ✓
- B. $\triangle BAC \cong \triangle RPQ$
- C. $\triangle CAB \cong \triangle PQR$
- D. $\triangle CBA \cong \triangle QRP$

(C)

Question 18.

Refer to the figure. Which of the following is correct?

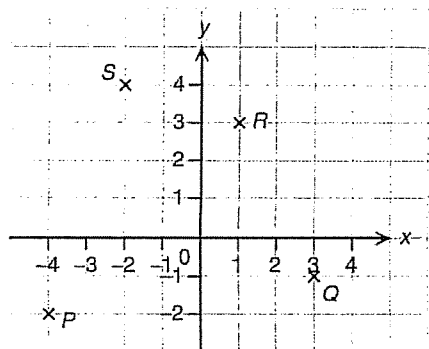


- A. $\triangle ABC \cong \triangle PQR$
- B. $\triangle BAC \sim \triangle QPR$
- C. $\triangle CAB \sim \triangle PRQ$
- D. $\triangle ACB \cong \triangle QPR$

(D)

Question 19.

Which of the following points lies in quadrant III?



- A. P
- B. Q
- C. R
- D. S

A

Question 20.

Find the distance between $A(-3, -2)$ and $B(-3, -4)$.

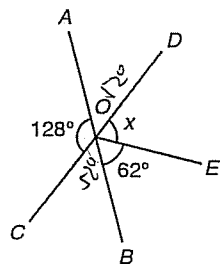
- A. 1 unit
- B. 2 units
- C. 6 units
- D. 8 units

$$\begin{aligned} & -2 - (-4) \\ & -2 + 4 \end{aligned}$$

B

Question 21.

In the figure, AOB and COD are straight lines. Find x .

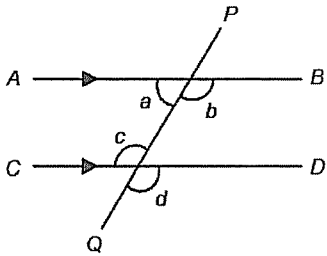


- A. 46°
- B. 52°
- C. 62°
- D. 66°

D

Question 22.

In the figure, $AB \parallel CD$ and PQ is a straight line. Which of the following is a pair of corresponding angles?



- A. a and b
- B. a and c
- C. b and c
- D. b and d

D

Question 23.

$$(-3a^2)(-5a^3) =$$

- A. $8a^6$
- B. $-8a^6$
- C. $15a^5$
- D. $-15a^5$

C

Question 24.

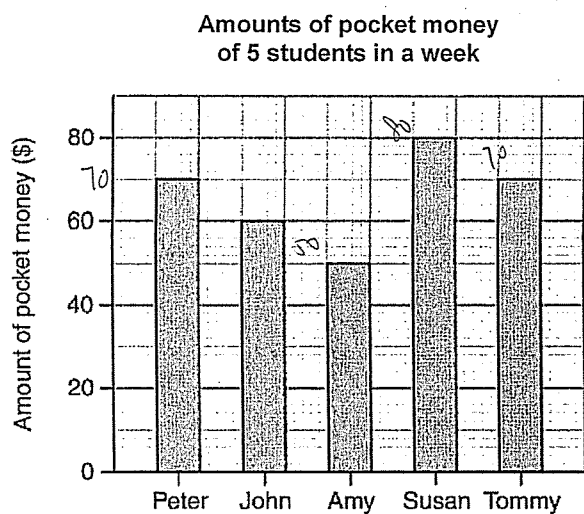
Simplify $4a^4b \times \frac{a^3b^5}{8}$.

- A. $\frac{1}{2}a^7b^6$
- B. $\frac{1}{2}a^{12}b^5$
- C. $\frac{1}{4}a^7b^6$
- D. $\frac{1}{4}a^{12}b^5$

A

Question 25.

The bar chart below shows the amounts of pocket money of 5 students in a week.



D

Find the total amount of pocket money of these 5 students in the week.

- A. \$240
- B. \$280
- C. \$320
- D. \$330

Question 26.

Solve the equation $\frac{3x+1}{2} = 5$.

- A. $\frac{1}{2}$
- B. $\frac{7}{6}$
- C. 3
- D. $\frac{11}{3}$

C

Section B: Harder Questions(14 marks)

Question 27.

The temperature is -10°C in the morning. If the temperature rises by 15°C in the afternoon and then drops by 6°C at night, what will be the temperature at night?

- A. -19°C
- B. -1°C
- C. 1°C
- D. 19°C

B

Question 28.

The stem-and-leaf diagram below shows the weights (correct to the nearest kg) of 30 students.

Weights of 30 students

Stem (10 kg)	Leaf (1 kg)
4	0 0 2 2 3 3 4 4 5
5	1 1 1 6 7 7 8 9
6	1 2 2 3 3 3 3 3 4 4 4
7	4 9

How many students are heavier than 56 kg?

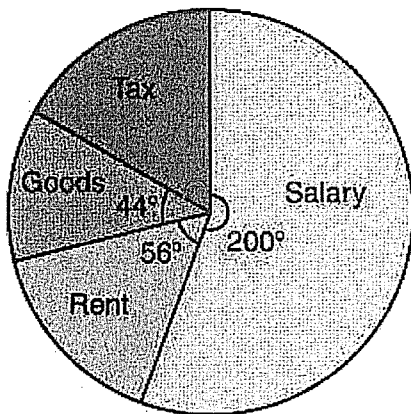
- A. 14
- B. 15
- C. 16
- D. 17

(D)

Question 29.

The pie chart below shows the annual expenditure of a department store.

Annual expenditure of a department store



If the annual expenditure of the department store is \$6 000 000, find the expenditure on tax.

- A. \$1 000 000
- B. \$1 100 000
- C. \$1 200 000
- D. \$1 300 000

(A)

Question 30.

Simplify $p(p + q) + q(p - 2)$.

- A. $p^2 + q^2$
- B. $p^2 + 2pq - 2$
- C. $p^2 + 2pq - 2q$
- D. $p^2 + 2pq - q^2$

(C)

Question 31.

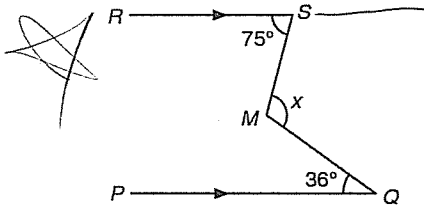
Simplify $(7x^4 + 2 - 3x^2) - (1 - 2x^2 + 2x^3)$, and arrange the terms in ascending powers of x .

- A. $7x^4 - 2x^3 - x^2 + 1$
- B. $7x^4 - 2x^3 - 5x^2 + 3$
- C. $1 - x^2 - 2x^3 + 7x^4$
- D. $3 - 5x^2 - 2x^3 + 7x^4$

(C)

Question 32.

In the figure, $PQ \parallel RS$, then $x =$

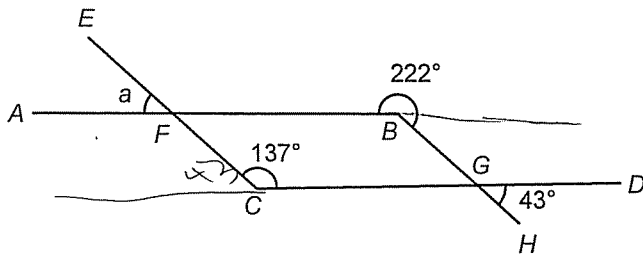


- A. 99° .
- B. 102° .
- C. 111° .
- D. 114° .

(C)

Question 33.

In the figure, AFB , CGD , EFC and BGH are straight lines. Find a .

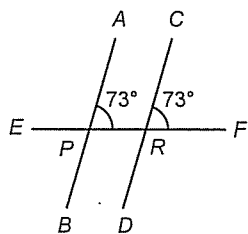


- A. 40°
- B. 41°
- C. 42°
- D. 43°

(C)

Question 34.

In the figure, the reason for $AB \parallel CD$ is



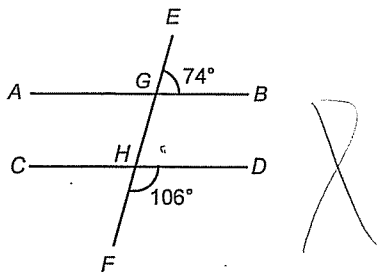
- A. corr. \angle s equal.
- B. alt. \angle s equal.
- C. int. \angle s equal.
- D. int. \angle s supp.

(A)

Question 35.

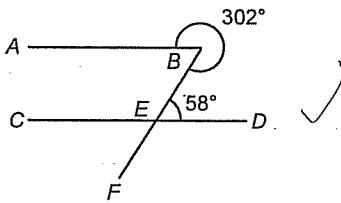
In which of the following figures, are AB and CD parallel to each other?

I.



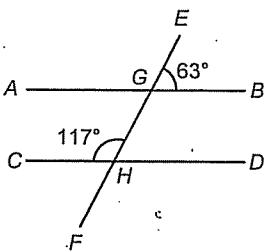
$EGHF$ is a straight line.

II.



BEF and CED are straight lines.

III.



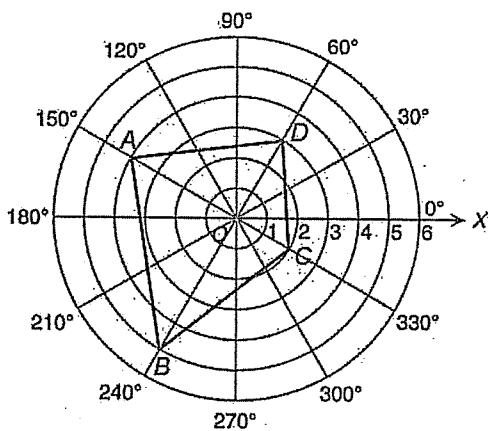
$EGHF$ is a straight line.

- A. I and II only
- B. I and III only
- C. II and III only
- D. I, II and III

(D)

Question 36.

The figure shows a quadrilateral $ABCD$ on a polar coordinate plane. Find the area of $ABCD$.



D: 3, 60°
 C: 5, 300°
 B: 5, 240°
 A: 4, 150°

$$(5 + 4) \cdot 7 \div 2 =$$

- A. 20 sq. units
- B. 24 sq. units
- C. 36 sq. units
- D. 48 sq. units

(B)

Question 37.

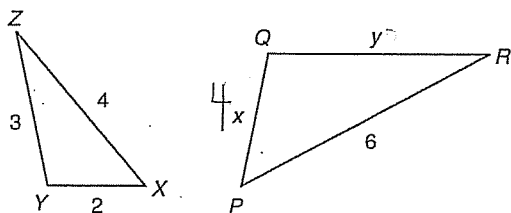
$A(3, -9)$ is rotated anti-clockwise about the origin through 180° to A' . Find the coordinates of A' .

- A. $(-3, -9)$
- B. $(-3, 9)$
- C. $(3, 9)$
- D. $(9, -3)$

(B)

Question 38.

In the figure, $\triangle XYZ \sim \triangle PQR$. Find x and y .

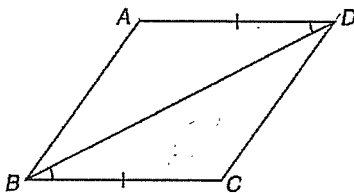


- A. $x = 2.5, y = 4.5$
- B. $x = 3, y = 5$
- C. $x = 3, y = 4.5$
- D. $x = 4, y = 5.6$

(C)

Question 39.

In the figure, $AD = CB$ and $\angle ADB = \angle CBD$. Write down a pair of congruent triangles.



- A. $\triangle ADB \cong \triangle BCD$ X
- B. $\triangle ADB \cong \triangle DCB$ X
- C. $\triangle ADB \cong \triangle CBD$ X
- D. $\triangle ADB \cong \triangle BDC$

(C)

Question 40.

Solve the equation $\frac{1}{2} + \frac{x-1}{3} = \frac{x+2}{4}$.

- A. $-\frac{8}{7}$
- B. $\frac{4}{7}$
- ~~C. 16~~
- ~~D. 4~~

(D)

POK OI HOSPITAL TANG PUI KING MEMORIAL COLLEGE
FIRST TERM EXAMINATION (2015-2016)
S1 INTERGRATED SCIENCE

Date: 1 8 JAN 2016
Time allowed: 60 minutes
(P.1-P.9/55)

Instructions to students:

1. Answer all questions.
2. Write your answers on the space provided in the answer sheet.
3. The total score is 100 marks.

Section A: Fill in the blanks: (12%)

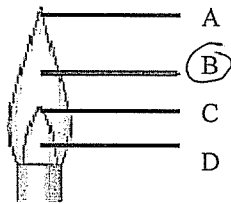
1. (a) Bunsen burner is an apparatus for heating and we should (b) close the air hole before lighting.
2. In the laboratory, we usually use a (c) stop-watch to measure time and use balance to measure (d) weight.
3. Animals can be classified into vertebrate and (e) invertebrate. Plants can be classified into flowering plant and (f) non flowering plant.
4. Fish only breathes with (g) gill but mammal uses its (h) lung to breathe.
5. The basic unit of living things is the (i) cell.
6. We can use (j) microscope to observe small objects.
7. Plant cell has a (k) cell wall to protect the cell and green plant cell can make (l) food when they get sunlight.

Section B: Multiple choice (18%)

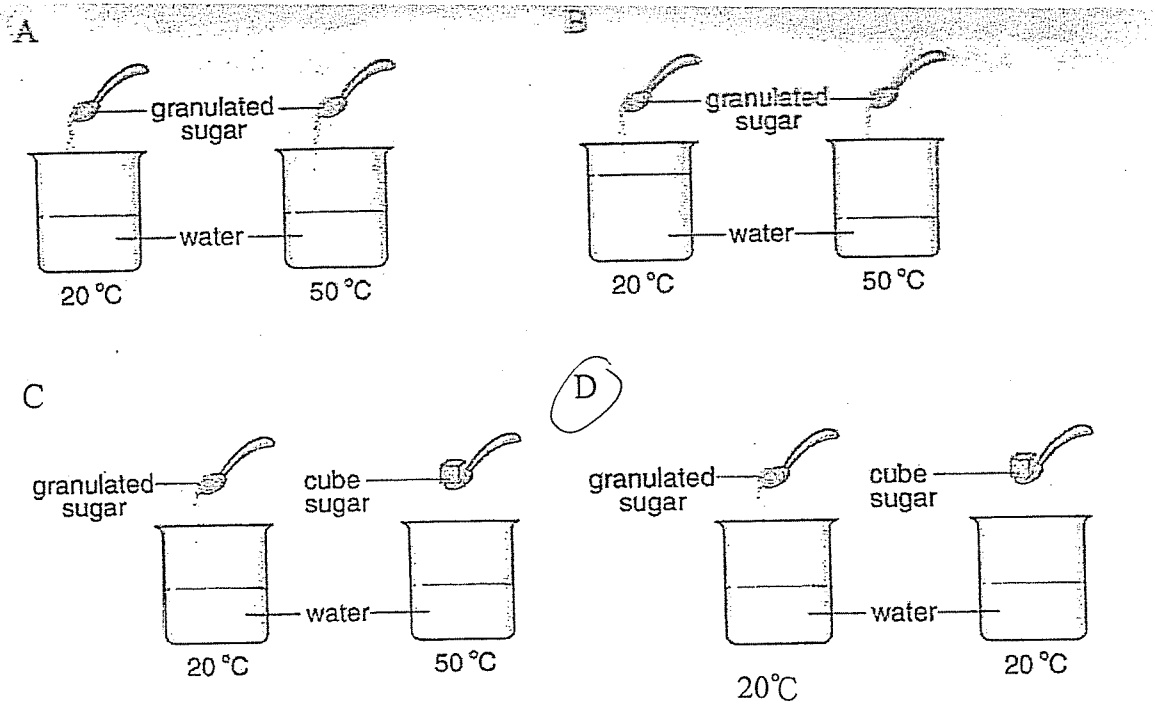
1. When we heat a beaker of water, which of the following apparatus is **not** required ?

(A. Thermometer B. Wire gauze C. Bunsen burner D. Tripod

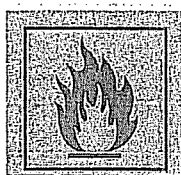
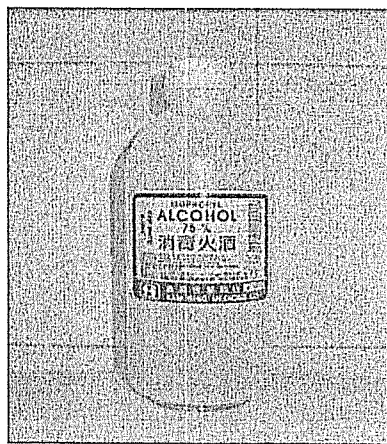
2. Which part of the diagram has the highest temperature?



3. Which of the following is a fair test to test whether sugar cube or granulated sugar dissolves (溶解) faster in water. The weights of the sugar cube and granulated sugar are the same.



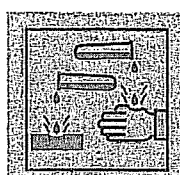
4. Which of the following hazard warning label should be put on this bottle?



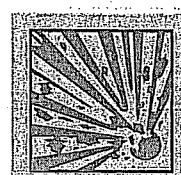
(A)



B.

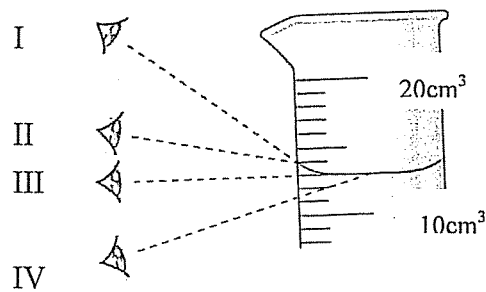


C.



D.

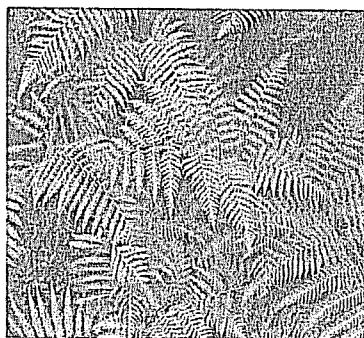
Directions: Questions 5-6 refer to the diagram below.



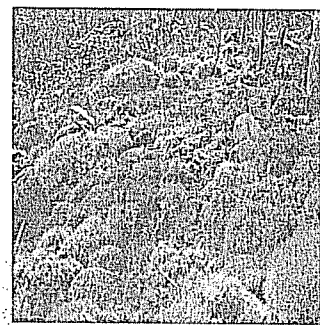
5. Which of the following is the correct position to read the water level in the measuring cylinder?
- A. I B. II C. III D. IV
6. What is the volume of the water?
- A. 10cm^3 B. 13cm^3 C. 15cm^3 D. 20cm^3
7. Sunflower grows towards light. Which characteristic of living things does the plant show?
- A. React to stimuli B. Need air C. Need food D. Reproduce
8. Which of the following combinations is incorrect?
- | <u>Group</u> | <u>Example</u> |
|--------------|----------------|
| A. Amphibian | Frog |
| B. Reptile | Snake |
| C. Mammal | Monkey |
| D. Bird | Bat |
9. Which of the following plants cannot produce flowers?



(i) Pine



(ii) Fern



(iii) Moss

- A. (i), (ii) B. (i), (iii) C. (ii), (iii) D. (i), (ii), (iii)

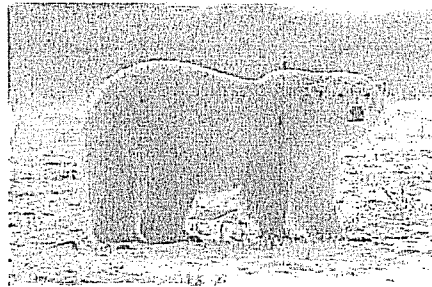
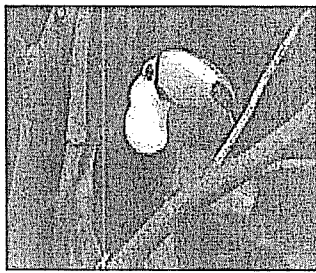
10. Which statement (s) is/are true for the photo below?



- (i) they are mammals
- (ii) they are all male
- (iii) there are variations within the same kind of animal.

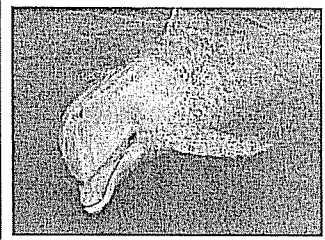
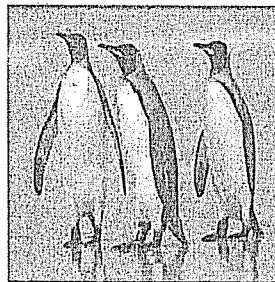
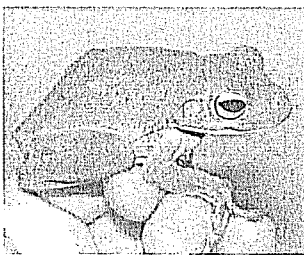
A. (i), (ii) B. (i), (iii) C. (ii), (iii) D. (i), (ii), (iii)

11. What is the common characteristic for the two animals shown in the photos?



- A. Laying eggs
- B. Can maintain a constant body temperature
- C. Has hair
- D. Has mammary gland

12. Which animal is an invertebrate?



A

B

C

D

13. What does the embryo get when it is developing inside the mother's body?

- (1) Waste
- (2) Food
- (3) Oxygen

A. (1), (2) B. (1), (3) C. (2), (3) D. (1), (2), (3)

14. How many sperm(s) can fuse with an egg during fertilization?

- A. 1 B. 2 C. 3 D. 4

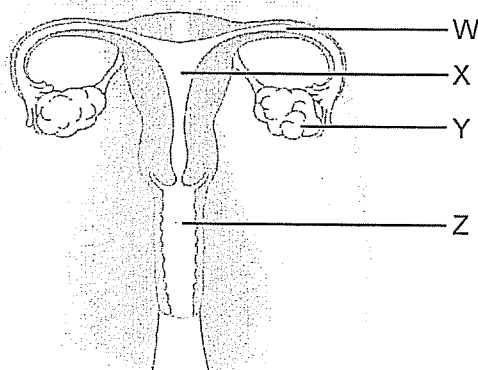
15. Which of the following parts in the male has similar(相似) functions as the oviduct in the female?

- A. Penis B. Sex glands C. Testes D. Sperm duct

16. Which of the following descriptions about a plant cell and an animal cell are correct?

<u>Plant cell</u>	<u>Animal cell</u>
<input checked="" type="radio"/> A. some has chloroplast	has no chloroplast ✓
<input type="radio"/> B. does not need food	need food
<input type="radio"/> C. has no vacuole	has large vacuole ✓
<input type="radio"/> D. has no fixed shape	has fixed shape ✗

Directions: The following two questions refer to the diagram below, which shows the female reproductive system in humans.



17. Which part will receive penis during mating?

- A. W B. X C. Y D. Z

18. Which part will contract strongly to push the foetus out during birth?

- A. W B. X C. Y D. Z

Section C: Matching (10%)

Part I: Match the following structures with its functions by writing down the corresponding letter (A to E) in the answer sheet provided.

Structures		Function (use)
1. Testes	D	A. Place for fertilization to take place
2. Sperm ducts	E	B. Place for embryo to grow
3. Oviduct	A	C. Produce eggs
4. Uterus	B	D. Produce sperms
5. Ovaries	C	E. Will be cut during male sterilization (絕育)

Part II: Match each equipment with its use by writing down the corresponding letter (A to E) in the answer sheet provided.

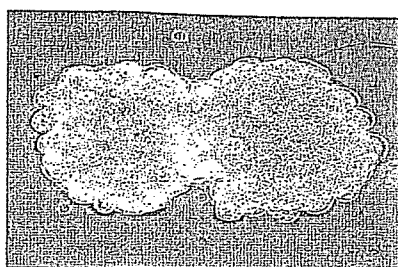
Equipment		Use
1. Sand bucket	E	A. To supply gas to the Bunsen burner.
2. Fume cupboard	D	B. To supply water.
3. Eye wash bottle	C	C. To wash the eyes when some chemicals get into it.
4. Gas tap	A	D. To remove toxic gases outside.
5. Water tap and sink	B	E. To put out a small fire.

Section D: True or False (8%)

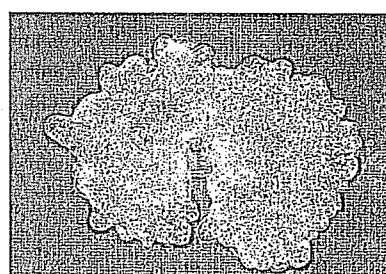
1. We can answer all the questions by using scientific knowledge. F
2. We can use the insulating mat to protect the table during heating. T
3. We cannot measure the volume of irregular objects. F
4. Penguin is a mammal. F
5. Frog can use its moist skin to breath. T
6. All cells have cell membrane, cytoplasm and nucleus. T
7. Nucleus has DNA. T
8. Using condom is one of the methods for birth control. T

Section E: Short Question (12%)

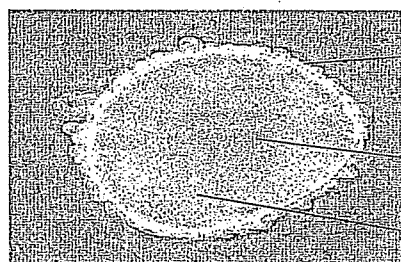
1. The photos below show a process carried out by an amoeba(變形蟲) observed under microscope.



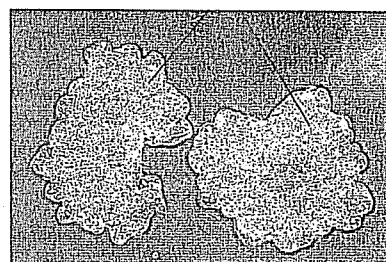
A



B



C



D

- (a)(i) Rearrange the photos in correct order. (3)

C → A → B → D

- (ii) What process(過程) is carried out by this amoeba? (1)

cell division

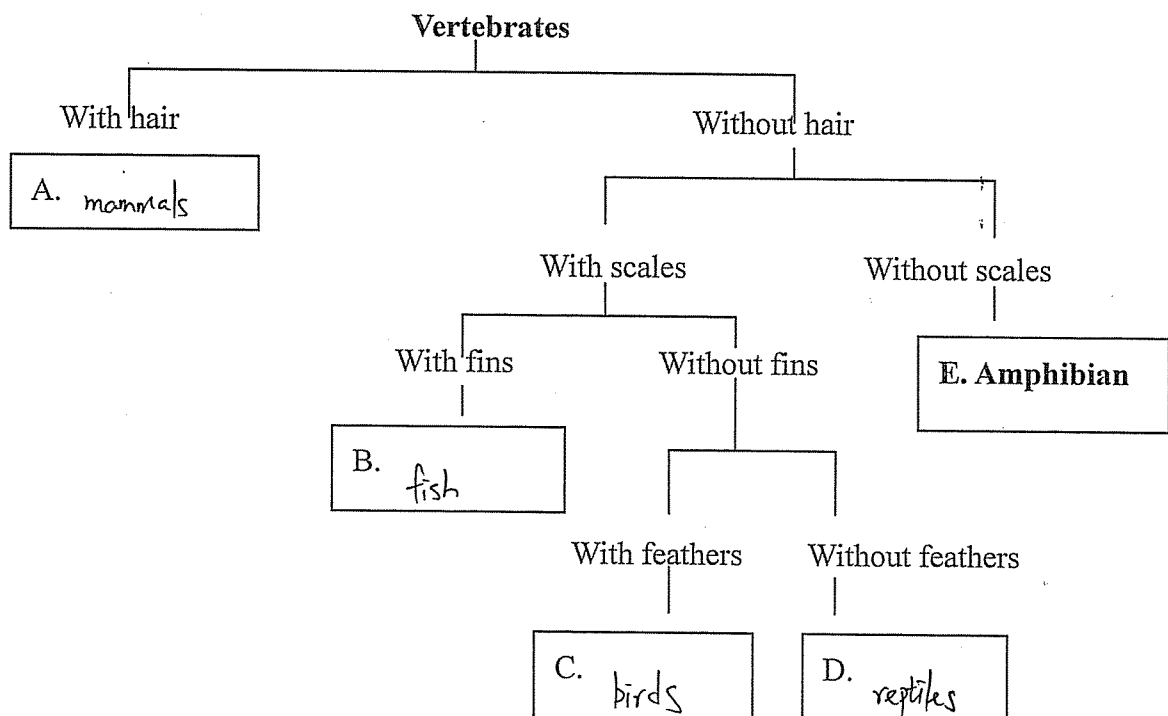
(b) Draw a **labeled diagram** for the amoeba shown in photo C. (4)

(c) Now we use a microscope with an 10X eyepiece and 40X objective to see this amoeba. What is the total magnification of this microscope? Show your calculation. (2)

(d) Is amoeba an animal cell or a plant cell? Why? (2)

Section F: Long Questions (40%)

1.(A)(i) The following key is to classify 5 groups of vertebrates (A-E). Complete the following table (4).



(ii) Why the above animals are classified as vertebrates? (1)

they have backbone

(iii) Which group (A-E) can provide enough food for their babies from their mother?

Why? (2)

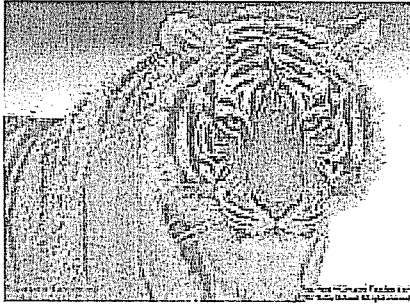
A /mammals - They have mammary gland

(iv) Which two groups of animals (A-E) can live in a very cold place? Explain briefly.

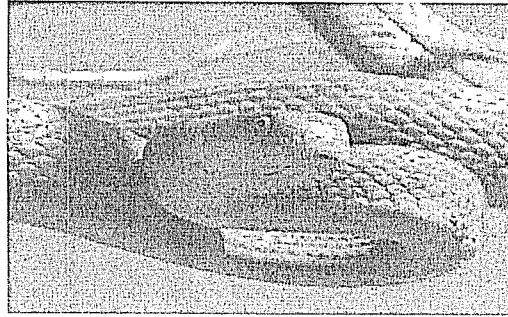
(4)

*A, C. A has hair
B has feather*

(B) The photos below show some animals:



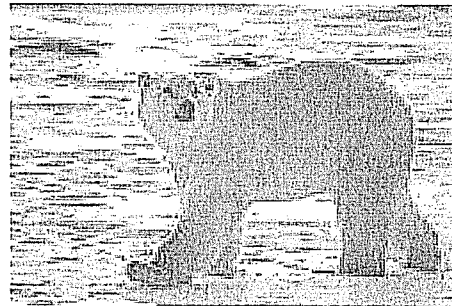
A (Tiger)



B (Snake)



C (Panda)



D (Polar bear)

- (i) Which two animals (A-D) are endangered species? (2) A, C
 (ii) Give one reason for each animal to explain why they become endangered species. (2) ~~A~~
 (iii) Why Polar bear's body has similar (相似) colour as its living place? (1)

(ii) A - kill them fur for their skin
 C - low birth rate

Total: 16

2. John uses the following set-ups to find out whether blue flame or yellow flame need shorter time to boil a beaker of water.

(a) Complete the table to make the two set-ups become a "fair test". (3)

	Set up A	Set up B
Condition of air hole	Air hole is open	Air hole is <u>close</u>
Volume of water (cm ³)	100	<u>100</u>
Volume of beaker (cm ³)	<u>200</u>	200

- (b)(i) What should be used to measure the temperature of water? (1) thermometer
 (ii) When water boils, what is the temperature of water? (1) 100°C
 (iii) In order to know whether blue or yellow flame need shorter time to boil a beaker of water, what should be compared (比較) by John? (2) The time to reach 100°C

(c) In which set up (A or B) will the water boil first? Why? (2)

A, The flame higher temperature.

Total: 9

3. The diagrams below show the female reproductive system and a process happened in the female body.

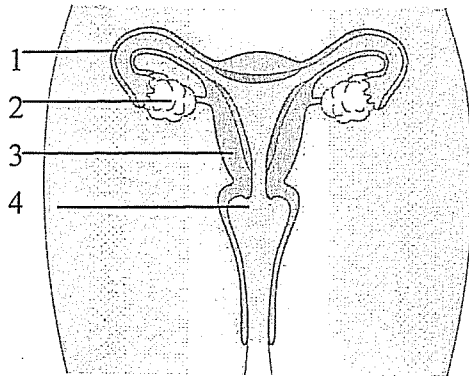
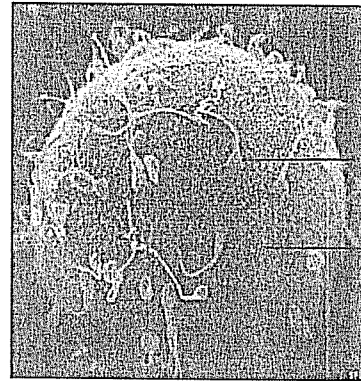


Diagram I



Process (過程) A

(a) Which structure in diagram I (1-4) can produce sex hormones? (1)

2.

(b) In diagram I, state the route for cell A inside the female body to meet cell B. (2)

4 → 3 → 1

(c)(i) What is the name of process A? What will be formed after this process? (2)

fertilized

(ii) In process A, explain why the number of cell A is much more than that of cell B. (2)

many A will die - To increase the chance of fertilization

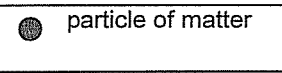
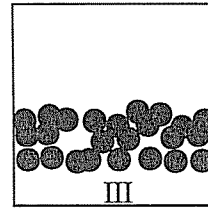
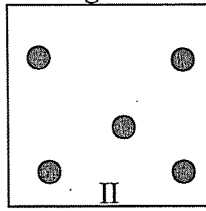
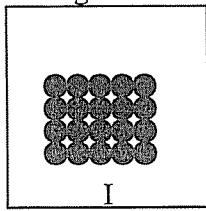
(d) Complete the table below: (8)

	Cell A	Cell B
Name	sperm	egg
Shape	like a tadpole	like a ball
Size and explain why they have different sizes	smaller It has no food	bigger It has food

Total: 15

End of paper

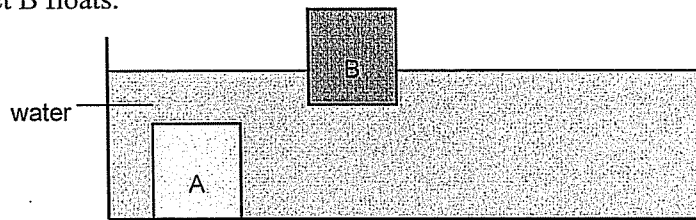
6. The diagrams below show the arrangements of particles of the three states of matter.



What are the states of I, II and III respectively?

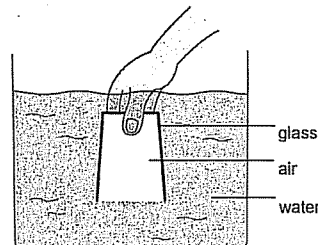
- | | I | II | III |
|------------------------------------|--------|--------|--------|
| A | Gas | Liquid | Solid |
| B | Liquid | Gas | Soid |
| <input checked="" type="radio"/> C | Solid | Gas | Liquid |
| D | Solid | Liquid | Gas |

7. Two objects, A and B, are put in a tank of water. They have the same size. Object A sinks and object B floats.



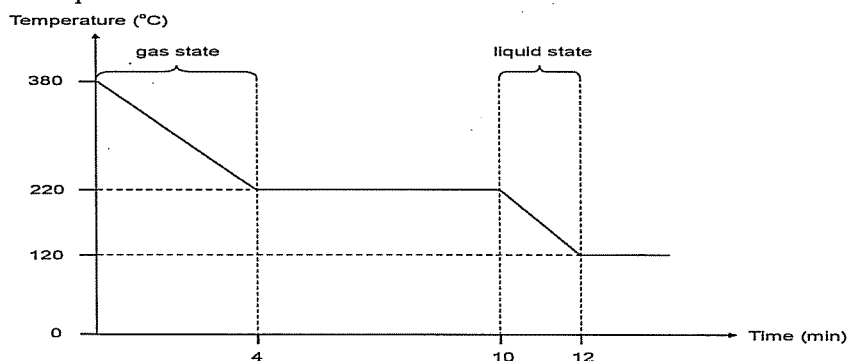
Which of the following statements about the two objects must be correct?

- (1) A is heavier than B.
 (2) A has higher density than B. ✓
 (3) A and B are made up of the same type of particles
- A (1) and (2) only B (1) and (3) only
 C (2) and (3) only D (1), (2) and (3)
8. An empty glass is immersed in a tank of water with its mouth pointing downwards. The result is shown below.



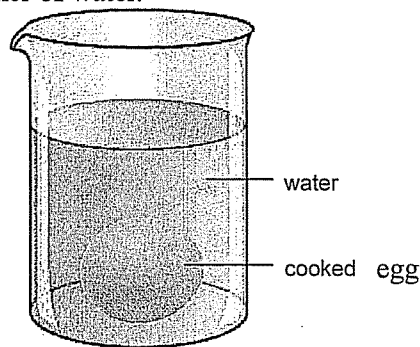
Which of the following can explain the result?

- (1) Water is liquid.
 (2) Air takes up space.
 (3) Air is less dense than water.
- A (3) only B (1) and (2) only
 C (2) and (3) only D (1), (2) and (3)
9. The graph below shows the temperature change of gas X when it cools down. What is the boiling point of X?



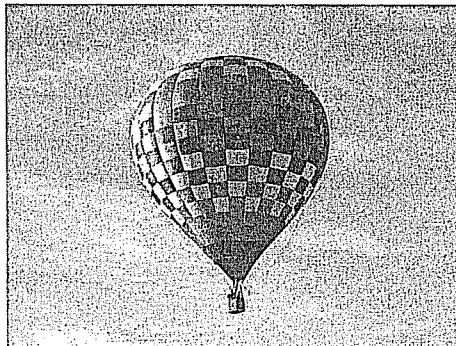
- A 0 °C B 220 °C
 C 120 °C D 380 °C

- 10 A cooked egg sinks in a beaker of water.



Which of the following actions may make the egg float in the water?

- A Add more water to the beaker. B Add cooking oil to the beaker.
 C Heat the beaker of water using a hot water bath. D Dissolve a large amount of salt into the water. ✓
- 11 Hot air balloon rises when the air inside is heated.



Which of the following statements is/are correct when the air inside a hot air balloon is heated?

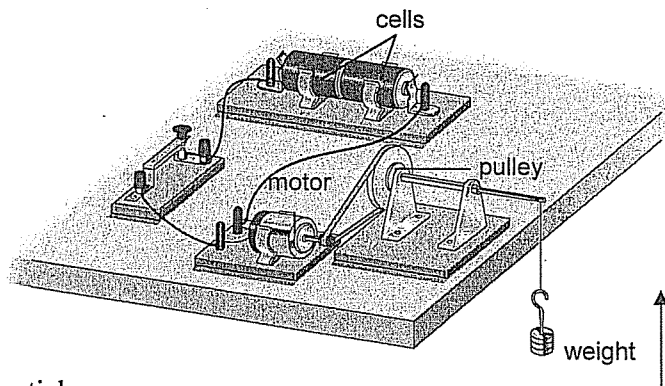
- (1) The space between air particles inside the balloon become larger.
 (2) Air particles inside the balloon move faster.
 (3) Density of air decreases.
- A (1) only B (2) and (3) only
 C (1) and (2) only D (1), (2), (3)

- 12 On Earth, fresh water is found in

- (1) Lakes
 (2) Rivers
 (3) Oceans
 (4) Ice caps

- A (1) and (2) only B (3) and (4) only
 C (1), (2) and (4) only D (1), (2), (3) and (4)

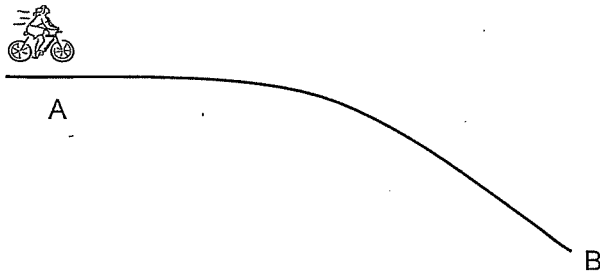
- 13 In the diagram below, the motor is lifting the weight at constant speed. What form(s) of energy does the weight gain when it is moving up?



- (1) Potential energy
 (2) Electrical energy
 (3) Chemical energy

- A (1) only B (2) only
 C (1) and (3) only D (1), (2) and (3)

- 14 Sandy rides a bicycle down a slope as shown below at **constant speed**.



- How does her kinetic energy **change** during her ride from point A to point B?
- A It increases gradually. B It remains unchanged throughout her ride.
 C It decreases gradually. D It remains unchanged at first and then increases gradually when she approaches point B.

- 15 Micro-organisms in water can be killed by

- (1) adding alum(明礬)
 (2) boiling.
 (3) ultra-violet light.

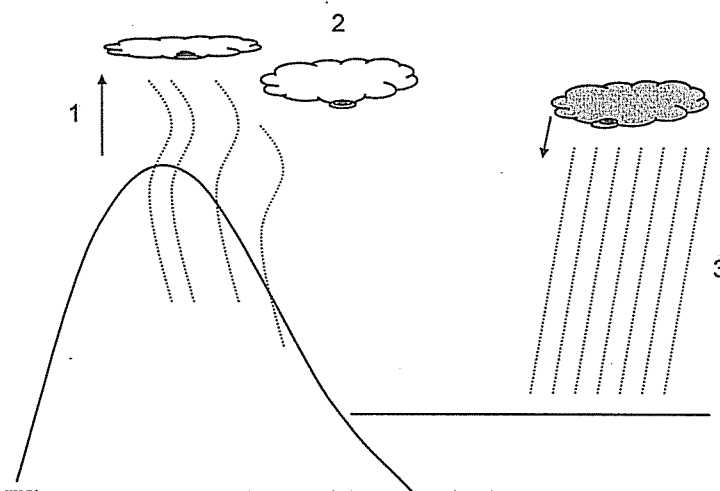
- A (1) and (2) only B (1) and (3) only
 C (2) and (3) only D (1), (2) and (3)

- 16 Crystal can be formed by

- (1) putting a crystal seed in a saturated solution.
 (2) allowing the solvent of a saturated solution to evaporate.
 (3) filtering a solution.

- A (1) only B (1) and (2) only
 C (2) and (3) only D (1), (2) and (3)

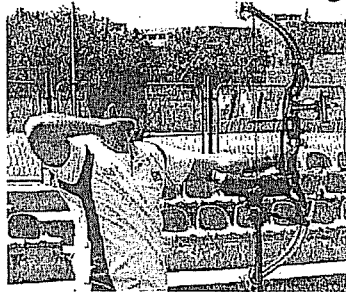
- 17 The diagram below shows part of the water cycle.



What are processes 1, 2 and 3 respectively?

- | | | | |
|------------------------------------|-------------------------|--------------------------|---------------------|
| <input checked="" type="radio"/> A | <u>1</u>
Evaporation | <u>2</u>
Condensation | <u>3</u>
Raining |
| <input type="radio"/> B | Condensation | Evaporation | Raining |
| <input type="radio"/> C | Transportation | Evaporation | Raining |
| <input type="radio"/> D | Condensation | Transportation | Evaporation |

- 18 As the man releases the arrow, which of the following energy conversions takes place?



- A Potential energy \rightarrow kinetic energy B Kinetic energy \rightarrow sound energy
 C Chemical energy \rightarrow potential energy D Sound energy \rightarrow kinetic energy

Section B: True-or-false Questions (11%)

- 1 An object loses potential energy when it falls. T
- 2 A generator changes kinetic energy to electrical energy. T
- 3 Nuclear power is a renewable energy source. F
- 4 Mixing sand and water can form a solution. F
- 5 A gas has fixed volume but no fixed shape. F
- 6 Gases have no mass. F
- 7 When ice is melting to become water, its temperature increases. F
- 8 Coal can be used as a fuel for power stations. T
- 9 Evaporation occurs at a fixed temperature only. F
- 10 Hot water can dissolve more solute than cold water. T
- 11 If saturated solution is cooled quickly, no crystal will be formed. F

Section C: Fill in the Blanks (12%)

- 1 A spring gains (a) potential energy when it is stretched.
- 2 During distillation, condensation takes place in (b) Condenser. The water collected by this method is called (c) distilled water.
- 3 The state of a substance depends on its (d) temperature and pressure.
- 4 The random movement of smoke particles is called (e) Brownian motion.
- 5 Freezing is the process in which a substance changes from (f) liquid into (g) solid state. The change occurs at a temperature called (h) freezing point.
- 6 When no more solute can be dissolved in a solvent, a (i) saturated solution is formed.
- 7 Crystals have (j) regular shapes and (k) smooth surfaces.
- 8 When particles move, they have (l) kinetic energy.

Section D: Matching (9 %)

1. Classify the following fuels into fossil fuels and non-fossil fuels by writing (i) to (v) in the spaces below. (5 marks)

- | |
|-------------------|
| (i) Coal |
| (ii) Uranium(鈾) |
| (iii) Natural gas |
| (iv) Biofuels |
| (v) Crude oil |

Fossil fuel: iii, v, i

Non-fossil fuel: ii, iv

2. Match i) to iv) to the correct place below (4 marks)

i) For killing micro-organisms in water
ii) Only remove large and heavy solid impurities
iii) Prevent tooth decay
iv) Being used in swimming pools but irritates(刺激) our eyes

Sedimentation: ii

Add Chlorine: iv

Add Fluoride: iii

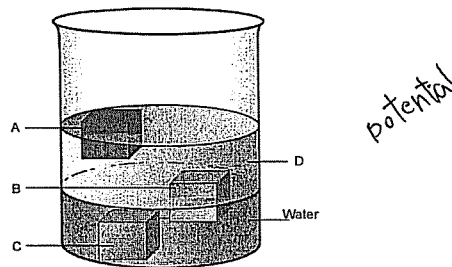
Ozone: i

Section E: Short Question (21%)

1 The table below shows the densities of five substances.

Substance	Water	Kerosene(火水)	Wood	Ice	Steel
Density (g/cm ³)	1.0 /	0.8 /	0.6 /	0.9	7.8

The above five substances are put in the container below.



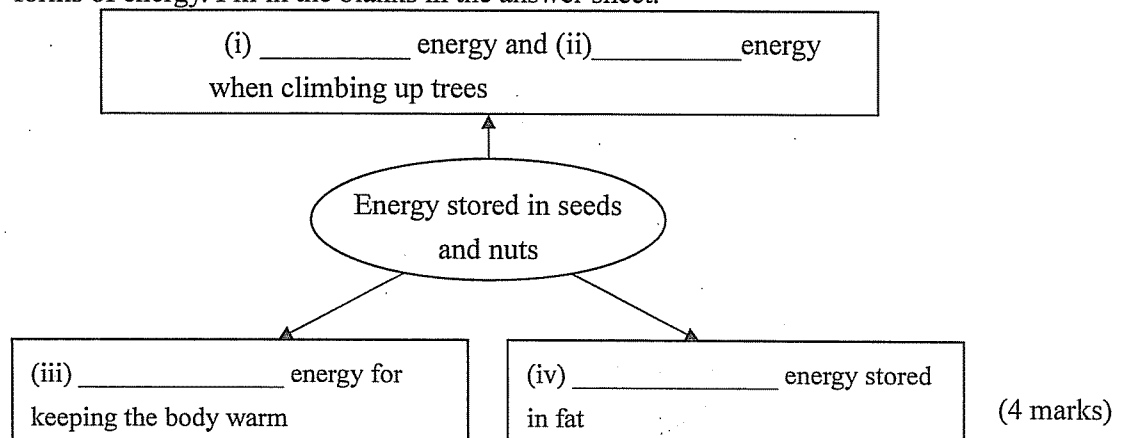
Identify substances A, B, C, D. (4 marks)

	Substance
A	Wood
B	Ice
C	steel
D	kerosene

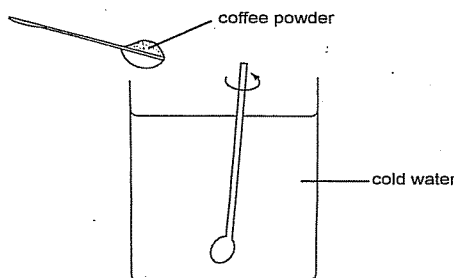
2. Squirrels (松鼠) feed on seeds and nuts. They live on trees and always climb up and down the trees.



- (a) What kind of energy is stored in food such as seeds and nuts? (1 mark)
- (b) In the bodies of squirrels, energy stored in seeds and nuts is converted into various forms of energy. Fill in the blanks in the answer sheet.



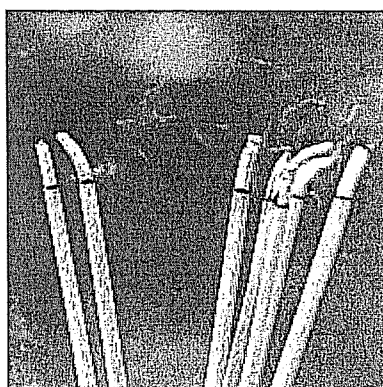
3 Sam adds coffee powder to a glass of cold water.



- (a) Name the solvent and the solute in the above case. (2 marks)
- (b) After stirring for some time, some coffee powder still remains undissolved in the water. Suggest ONE reason. *become saturated solution* (1 mark)

★(c) How can Sam dissolve more coffee powder? State two things he should do (2 mark)
add more water, heat the water

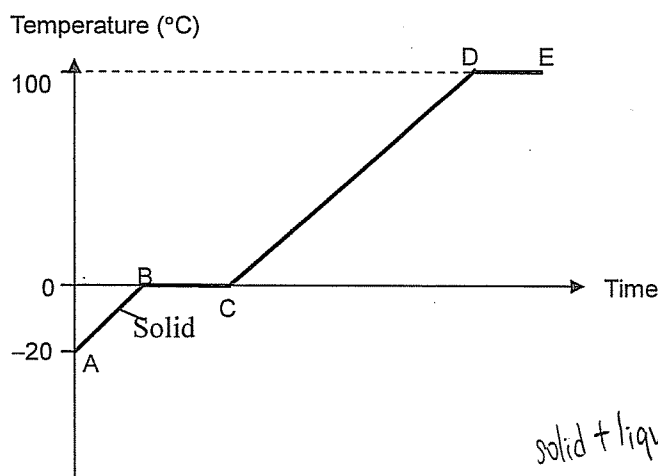
4(a) The photo below shows some burning incense (香). The smoke rises in the air.



- (a) Explain why the smoke rises in the air. (1 mark) *smoke is less dense than air*
- (b) Sketch the moving path of a smoke particle in air. *↘* (2 marks)
- (c) Write down the differences between a solid and a gas by filling in the table (4 marks)

Section F: Long Questions(29%)

1 The graph below shows the change in temperature of a substance when the substance is heated. At the beginning, the substance is in solid state.

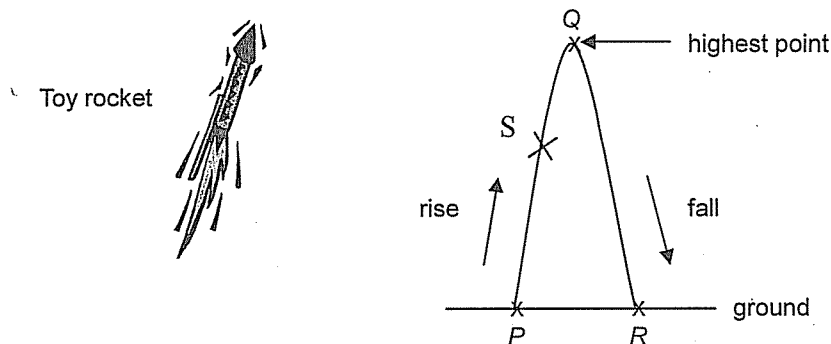


- (a) What is the melting point of the solid? *0°C* (1 mark)
- (b) Name the state(s) of the substance in each of the regions BC, CD and DE. (5 marks)
- (c) What is the boiling point of the substance? *100°C* (1 mark)
- (d) What is the substance? Suggest ONE possible answer. (1 mark)

物質 water

solid + liquid liquid liquid + gas

- 2 A toy rocket is filled with gunpowder. When the gunpowder is lit, the rocket rises. After it reaches the highest point, it falls back to the ground. The diagram below shows the toy rocket and the path of its flight.



(a) What form of energy does the gunpowder(火藥) store? (1 mark)

(b) What are the energy conversions when the rocket flies up from a lower position(P) to a higher position(S)? (2 marks)

Energy stored in the gunpowder \longrightarrow (i) _____ energy and (ii) _____ energy of the rocket

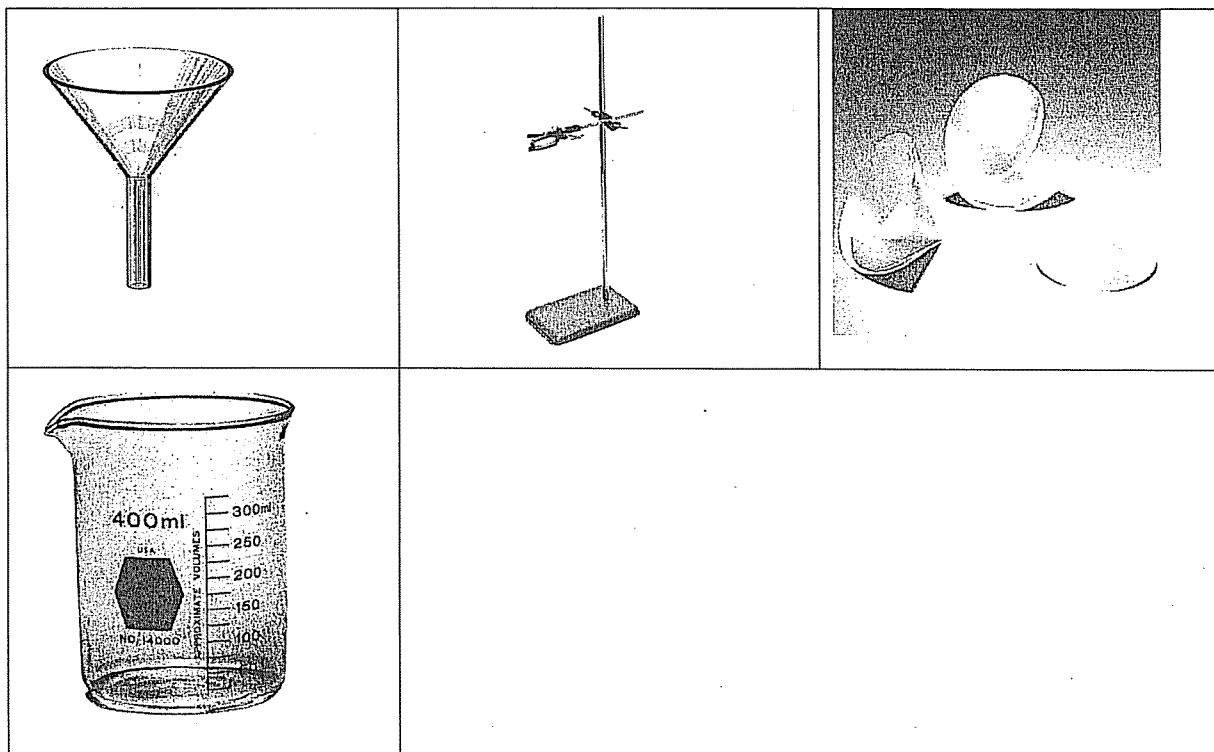
(c) What form of energy does the rocket gain as it rises? (1 mark)

(d) At which position (P, Q, S) does the rocket possess no kinetic energy? (1 mark)

(e) Write down the energy conversion when the rocket falls. (2 marks)

potential \rightarrow kinetic

3 (a) Using the apparatus given below, draw a **labelled** diagram for the **Filtration** set-up. (4 marks)



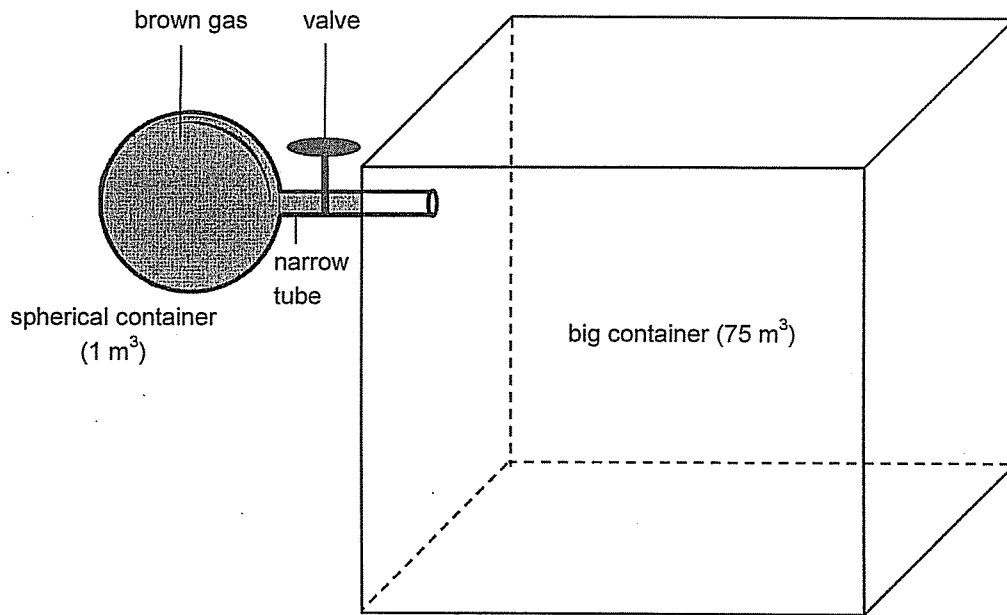
(b) What is the name of the liquid collected by filtration? (1 mark)

filtrate

(c) Is water purified by filtration safe to drink? Why? (2 marks)

No, It has micro-organisms

- 4 A brown gas is trapped in a spherical container of volume 1 m^3 as shown. The spherical container is connected to a big container of volume 75 m^3 with a narrow tube. The big container contains no gas.



The valve is then opened such that the brown gas fills up both containers.

- (a)(i) What is the total volume of the brown gas now? [Note: The volume of the narrow tube is negligible (可忽略的).] 76 m^3 (1 mark)
- (ii) How does the gas pressure change? Why? decrease (2 marks)
- (iii) How does the average distance between gas particles change? (1 mark)

Increase

After the valve is opened, temperature of the brown gas drops and the spherical container becomes cold.

- (b)(i) How does speed of particles of the brown gas change? slow down (1 mark)

- (ii) Explain why water droplets are found on the outer surface of the spherical container. (2 marks)

<<End of Paper >>

Water vapour in the air outside the container condenses on the cold surface of the container.

POK OI HOSPITAL TANG PUI KING MEMORIAL COLLEGE
Final Examination (2015-2016)
S1 INTEGRATED SCIENCE
ANSWER SHEETS

TIME ALLOWED: 60 minutes

(P.1-P.4/69)

Section A: Multiple-choice Questions(18%)

Put a '✓' in the correct boxes to indicate your answers.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
A		✓	✓		✓		✓					✓	✓			✓	✓	✓
B	✓								✓					✓		✓		
C				✓		✓		✓				✓	✓		✓			
D								✓	✓	✓	✓			✓	✓			

Section B: True-or-false Questions (11%)

Write 'T' for a true statement and 'F' for a false statement.

1 T 2 F 3 T 4 F 5 F
 6 F 7 T 8 T 9 F 10 T
 11 T 7

Section C: Fill in the Blanks (12%)

- 1 (a) potential
- 2 (b) condenser ; (c) distilled water
- 3 (d) space ~~X~~
- 4 (e) Brownian
- 5 (f) liquid ; (g) solid ; (h) freezing
- 6 (i) saturated
- 7 (j) regular ; (k) smooth ll gel.
- 8 (l) kinetic

Section D: Matching(9 %)

- 1 Fossil fuel: iii , v
 Non Fossil fuel: i , ii , iv
 - 2 Sedimentation: ii
 Add Chlorine: iv
 Add Fluoride: iii
 Ozone: i
- 8

Section E: Short Question (21%)

	Substance
A	Wood
B	Ice
C	Steel
D	Kerosene

(4)

2(a) Chemical energy (1)

2(b) (i) kinetic (1)

(ii) potential (1)

(iii) heat (1)

(iv) chemical (1)

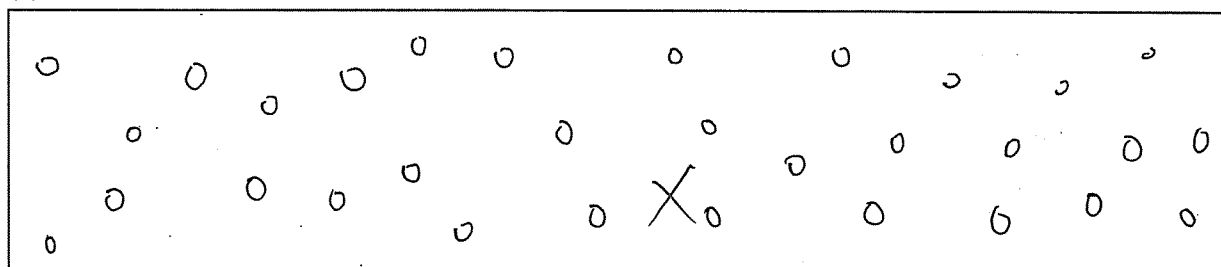
3(a) Solvent: cold water (1) Solute: coffee powder (1)

(b) Still stir it. (1)

(c) Sam can add some hot water and stir it faster. (2)

4(a) Because the density of a smoke is lower than the air. (1)

(b)



(2)

(c)

	Spaces between particles (large/small)	Motion of particles
Solid	<u>small</u>	<u>vibrate about a fixed volume</u>
Gas	<u>large</u>	<u>move all the directions</u>

(4)

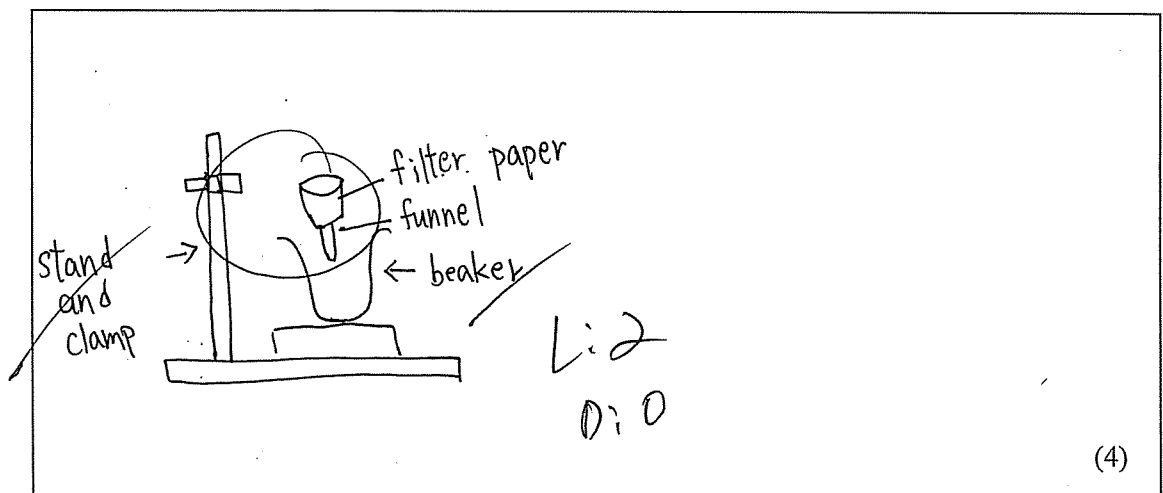
gd!

Section F: Long Questions(29%)

- 1 (a) ~~AB~~ _____ (1)
- (b) BC: Solid ✓ _____ (2)
- CD: Liquid ✓ _____ (1)
- DE: Gas ✓ _____ (2)
- (c) DE _____ (1)
- (d) DE ~~X~~ _____ (1)

- 2 (a) Chemical energy ✓ _____ (1)
- (b) (i) kinetic ✓ (1) energy and
- (ii) potential ✓ (1) energy
- (c) Chemical energy ✓ _____ (1)
- (d) P Q. _____ (1)
- (e) Expanded conversion ✓ _____ (2)

3(a)



(4)

(b) Filtrate. / (1)

(c) No, because it just remove ~~insoluble~~ impurities and (2)

it still has soluble impurities and micro-organisms in the water.

4(a)(i) The total volume of the brown gas is 15cm^3 . (1)

(ii) The gas pressure become ~~lower~~ and the space of the particles become slowly. (2)

(iii) The space of gas pressure become larger. / (1)

(b)(i) The speed of particles move ~~slows down~~ and the space become smaller and density become ~~lower~~. (1)

(b)(ii) Because it evaporate some water vapour. (2)

Condense

--- End of Answer Sheets ---

博愛醫院鄧佩瓊紀念中學
上學期考試 (2015- 2016)
中一級通識科 (問題卷)

日期：20 JAN 2016
時限：60 分鐘
頁數：頁一至頁三/27

- 考生須知：1. 所有題目必須作答。
2. 以文字作答必須文意完整及提供充分理據。
3. 每一要點，請分段作答。
4. 答案寫在答題紙上。
5. 全卷滿分為 38 分。

問題一：細閱以下資料，回答下列問題。(10 分)

港孩零用錢多變「大花筒」

大埔一名學生在校園大派 iPhone 手機，只為同學叫他一聲「軒哥」，事件令人關注。

十六歲的「小恩」，是一名中五學生，她近年愛上韓國明星，零用錢都用來追星，不夠用便向家人開口。「我喜歡韓國組合 C.N.BLUE 和 FTIsland，今年二月開始，同朋友去了四次韓國、三次台灣，全都為出席他們的演唱會和公開活動。」去一次韓國，「小恩」的花費將近六千大元，為此只好平時節衣縮食，午餐吃少一點、衣服買少一點，甚至周末周日到咖啡室做兼職。

中四學生「阿耀」，每月也有二千元零用錢，與班上其他同學比起來，並不算多。他主要的花費是玩樂和購物，尤其是打 War Game 和泰拳。「打 War Game 每次三百元，可玩兩至三小時；至於泰拳，一個月十二堂，大概四百元左右。」他又指，同級的幾名同學每月零用錢三、四千元，也有女同學每月花一千元買化妝品。

時下學生「使費」驚人，反而有名人將兒子零用錢儲起，作為投資。童星 (Jacky 仔) 的媽媽，多年前已為兒子買車位，如今轉為買樓。母稱，「兒子拍劇拍廣告的零用錢存放在銀行，利息低得不能保值，所以轉而投資，早年買的車位升值，已經賣了，為大仔和細仔購入兩個新界物業，暫時作為收租。」

她解釋，兩兒子讀書成績不俗，相信能直升大學，甚至深造。「做父母一定要未雨綢繆，若他們將來有能力自置物業，當然最好，不然也可以有樓在手。」她認為子女零用錢不用太多，夠用便可，亦不鼓吹他們買名牌。

資料節錄自《頭條新聞》2010-12-15

問題一

- (a) 你認為上則新聞指出現代青少年發生了甚麼問題？(2 分)
- (b) 你認為青少年每星期的零用錢(基本開支如：交通費及膳食費除外)應為多少？
請說明用途及理據。(4 分)
- (c) 你是否認同新聞中童星家長的做法嗎？試述原因。(4 分)

問題二：細閱以下資料，並回答問題。(16分)



The advertisement features the Citibank logo at the top right. The main headline reads "人人借足月薪21倍" (Everyone can borrow up to 21 times their monthly salary). Below this, a stack of cash is shown next to the text: "「即使您每月收入不一或沒有糧單，我們都可彈性處理，助您盡清卡數！」" (Even if your monthly income is irregular or you don't have a pay slip, we can handle it flexibly to help you clear your card balance!). A Citibank credit card manager is depicted on the right, holding a card. The text "Citibank 貸款即批經理" (Citibank Credit Approval Manager) is placed near her. The central text highlights "Citibank「卡數結餘轉戶」3大特點:" (Citibank 'Card Balance Transfer' 3 major features):

- 貸款額高達月薪21倍^(a) (Loan amount up to 21 times monthly salary^(a))
- 批核只需30分鐘^(b) (Approval only takes 30 minutes^(b))
- 歡迎任何入息證明^(c) (Welcome any income proof^(c))

Below this, a "迎新禮品" (Welcome Gift) section shows two gift options:

- 成功開取卡數: 高達 HK\$12,000 現金券^(d) (Successful card opening: up to HK\$12,000 cash voucher^(d))
- 網上申請卡數: HK\$300 現金券^(e) (Online card application: HK\$300 cash voucher^(e))

At the bottom, there is a "網上申請" (Online Application) button and the contact number "申請熱線* 2962 3030" (Application Hotline* 2962 3030).

資料取材自 citibank 網上銀行。

問題二

- (a) 根據以上資料及就你所知，試指出及解釋青少年過度消費的兩項成因。(4分)
- (b) 參考以上資料及就你所知，過度消費對青少年帶來甚麼負面影響？
試舉出兩項影響並加以解釋。(6分)
- (c) 試就你所知，提出幫助青少年糾正不適當消費行為的兩項建議。(6分)

問題三：細閱以下資料，並回答問題。(12分)

朋輩對青少年消費抉擇的影響力比較

語句	不同意	中立	同意
1. 如果我要買不大熟悉的產品，我多數會先問朋友。	11%	22%	67%
2. 我通常找朋友幫我選擇最好的產品。	24%	40%	36%
3. 我很希望我的朋友喜歡我買的產品和品牌。	22%	34%	44%
4. 我會留意一些親密的朋友，看看他們買些甚麼。	21%	36%	43%
5. 我會留意一些我喜歡的明星和歌星，看看他們買些甚麼。	65%	24%	11%

資料來源：香港浸會大學傳訊公關處，2009年2月10日

問題三

- (a) 上述資料顯示出朋輩對青少年消費抉擇有何影響？試述兩項現象並運用數據加以說明。(4分)
- (b) 試就你所知，除了以上資料所提及的因素外，還有哪些因素會影響青少年的消費行為？試指出其中兩項並略作說明。(8分)

試卷完

博愛醫院鄧佩瓊紀念中學
上學期考試 (2015-2016)
中一級通識科 (答題紙)

日期：20 JAN 2016

時限：60 分鐘

頁數：頁一至頁三

- 考生須知：
1. 所有題目必須作答。
 2. 以文字作答必須文意完整及提供充分理據。
 3. 每一要點，請分段作答。
 4. 答案直接寫在本卷的間線上。
 5. 全卷滿分為 38 分。

問題一 (10 分)

- (a) 你認為上則新聞指出現代青少年發生了甚麼問題? (2 分)
- (b) 你認為青少年每星期的零用錢(基本開支如：交通費及膳食費除外)應為多少? 請說明用途及理據。(4分)
- (c) 你是否認同新聞中童星家長的做法嗎? 試述原因。(4分)

問題二 (16 分)

(a) 根據以上資料及就你所知，試指出及解釋青少年過度消費的兩項成因。

(4 分)

(b) 參考以上資料及就你所知，過度消費對青少年帶來甚麼負面影響？

試舉出兩項影響並加以解釋。(6 分)

(c) 試就你所知，提出幫助青少年糾正不適當消費行為的兩項建議。(6 分)

問題三 (12分)

- (a) 上述資料顯示出朋輩對青少年消費抉擇有何影響？試述兩項現象並運用數據加以說明。(4分)
- (b) 試就你所知，除了以上資料所提及的因素外，還有哪些因素會影響青少年的消費行為？試指出其中兩項並略作說明。(8分)

博愛醫院鄧佩瓊紀念中學

下學期考試 (2015-16)

中一級

通識教育科

(問題卷)

班別

日期： 16 JUN 2016

姓名

時限：60 分鐘

班號

(頁一至頁四/1)

學生須知：

1. 本卷共設三題，各題全答。
2. 全卷總分為36分。
3. 本科着重考生能否清晰、簡潔及合乎邏輯地闡述和支持其觀點，而非背誦資料的能力。
4. 請用完整文意的句子作答，並書寫端正、清晰的字體，否則影響評分。

問題一 (12 分)

資料 A：取材自英國播出的可口可樂廣告。

	
<p>Happy = 開心 Calories = 卡路里**</p>	<p>To Spend on Extra Happy Activities = 輕鬆地燃燒掉</p>

**卡路里，是一個能量單位，通常與食品聯繫在一起，但實際上它們適用於含有能量的任何東西。

資料 B：摘錄自 2013 年 4 月的報章新聞。

英國當局禁播了一則可口可樂電視廣告，稱原因是這則廣告會使觀眾誤以為燃燒掉可樂中的卡路里是輕而易舉的。這則廣告稱，帶狗散步、跳舞和大笑等各種活動會使一份軟飲料中的「140 卡路里熱量輕鬆地」燃燒掉。

但管理英國廣告業的廣告標準局說，這則廣告未充分闡明必須將這些活動結合在一起才能燃燒掉 140 大卡(卡路里單位)熱量。該機構指出，一些投訴的觀眾以為，只需進行其中一種活動就可以了。

可口可樂公司的代表並未立即給予回應。近年來，這家全球最大的飲料公司遭到了公眾健康宣導者的強烈指責，指出可口可樂等公司生產的含糖飲料會導致肥胖症。

問題：

- 根據資料 A，試指出可口可樂廣告傳遞的訊息。(2 分)
- 「垃圾食物」對兒童健康帶來哪些影響？參考以上資料，試加以解釋。(4 分)
- 有關關注兒童健康的人士建議政府應立例禁止「垃圾食物」在電視上賣廣告，以保障兒童的健康。你是否贊成這個建議？試加以解釋。(6 分)

問題二 (12 分)

資料 A



資料 B：摘錄自 2015 年 6 月的報章新聞。

根據香港法例，食品由食物環境衛生署監管，藥物由衛生署監管，含西藥成分的藥物，受《藥劑業及毒藥條例》監管，若只含中藥成分，並聲稱有治療或調節機能功效的，便受《中醫藥條例》規管。然而，由於保健食品介乎食品和藥物之間，因此不受監管。有見及此，有商戶在中成藥產品內加入維他命等成分，把產品改作「保健產品」，以繞過法例，豁免註冊。此外，即使《不良醫藥廣告條例》擴大管制健康產品的種類，但仍未適用於所有產品，不少減肥、排毒產品不受此條例監管，難以全面保障消費者。長遠而言，政府應效法美國、澳洲等地，制訂專門規管「保健食品」、「輔助藥物」或「食物補充品」等產品的條例。

近年，港人服用保健食品的情況普遍，但產品的宣傳甚少談及不良反應，令人誤會保健食品十分安全，曾有家長希望改善子女健康，給子女服用魚肝油丸，但因過量而弄巧反拙，導致子女分別出現貧血、脾臟脹大、慢性肝炎等嚴重疾病，有人更需輪候換肝。

問題：

- (a) 就資料 A 及 B，指出及說明促使保健產品在香港愈趨流行的兩項原因。(6 分)
- (b) 你認為政府、商戶、消費者中，哪一個持分者應就保健食品引發的問題負上最大責任？參考資料及就你所知，解釋你的答案。(6 分)

問題三 (12分)

資料 A：摘錄自本港報章的兩則廣告。



資料 B：取材自《星島日報》副刊



問題：

- (a) 根據資料 A 及就你所知，試指出及解釋青少年過度消費的兩項成因。(6分)
- (b) 參考以上資料，並就你所知，青少年過度消費會帶來什麼影響？試從個人、家庭及社會三個層面，解釋你的答案。(6分)

試卷完