PAPER 1A

HONG KONG EXAMINATIONS AND ASSESSMENT AUTHORITY
HONG KONG DIPLOMA OF SECONDARY EDUCATION EXAMINATION

PRACTICE PAPER PHYSICAL EDUCATION PAPER 1

(2 hours 15 minutes)

This paper must be answered in English

GENERAL INSTRUCTIONS

- 1. There are two sections, A and B, in this Paper. You are advised to finish Section A in about 35 minutes.
- 2. Section A consists of multiple-choice questions in this question paper. Section B contains short questions printed separately in Question-Answer Book B.
- 3. Answers to Section A should be marked on the Multiple-choice Answer Sheet while answers to Section B should be written in the spaces provided in Question-Answer Book B. The Answer Sheet for Section A and the Question-Answer Book for Section B must be handed in separately at the end of the examination.

INSTRUCTIONS FOR SECTION A (MULTIPLE-CHOICE QUESTIONS)

- 1. Read the instructions on the Answer Sheet. After the announcement of the start of the examination, you should first stick a barcode label and insert the information required in the spaces provided. No extra time will be given for sticking on the barcode label after the 'Time is up' announcement.
- 2. When told to open this book, you should check that all the questions are there. Look for the words **'END OF SECTION A'** after the last question.
- 3. All questions carry equal marks.
- 4. **ANSWER ALL QUESTIONS.** You are advised to use an HB pencil to mark all your 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.
- 5. You should mark only **ONE** answer for each question. If you mark more than one answer, you will receive **NO MARKS** for that question.
- 6. No marks will be deducted for wrong answers.

©香港考試及評核局 保留版權 Hong Kong Examinations and Assessment Authority All Rights Reserved 2012

Not to be taken away before the end of the examination session

SECTION A (36 marks)

- 1. Which of the following agencies does the Sports Commission provide advice to?
- Student Bounty.com A. Physical Education Section, Curriculum Development Institute, Education Bureau
 - B. Leisure and Cultural Services Department
 - C. Hong Kong Sports Institute
 - D. Home Affairs Bureau
- 2. Which of the following was the main reason for the Hong Kong government to begin promoting recreation for all in 1967?
 - A. Recreation activities would allow youth to release their energy as there were too many crimes at that time.
 - В. Research revealed that youth at that time was physically weak. They should participate in recreation activities to improve their health.
 - C. It was hoped to cultivate expertise in this area through recreation activities.
 - D. Recreation activities would provide opportunities for youth to release their energy as there was a riot in that year.
- 3. Which of the following about the Hong Kong Physical Fitness Association is correct?
 - A. a member of the Sports Federation and Olympic Committee of Hong Kong, China
 - a community sports club B.
 - C. a member of the Leisure and Cultural Services Department
 - a member of the Hong Kong Sports Institute D.
- Which of the following was the Olympic motto for 2008 Olympic Games in Beijing? 4.
 - A. One World, One Dream
 - В. Citius, Altius, Fortius
 - C. Peace, Solidarity, Friendship
 - D. Friendship First, Competition Second
- 5. Which of the following was the first Chinese athlete to win a medal in the Olympic Games?
 - A. Yang Chuan-guang
 - B. Ji Zheng
 - C. Liu Chang-chun
 - D. Lee Wai-tong
- 6. Which of the following games is Hong Kong now eligible to participate in?
 - (1) Asian Games
 - (2) East Asian Games
 - (3) Commonwealth Games
 - **(4)** Paralympic Games
 - A. (1) and (2) only
 - (3) and (4) only В.
 - (1), (2) and (4) only C.
 - D. (1), (2), (3)and (4)

- expediting infrastructure development (1)
- (2)improving transportation systems
- (3) attracting a large number of visitors to increase the income of the country
- (4) fostering diplomatic relationships for political propaganda
 - A. (1), (2) and (3) only
 - (1), (2) and (4) only В.
 - C. (1), (3) and (4) only
 - D. (2), (3) and (4) only
- 8. Which of the following are the cultural factors influencing an individual's participation in sport?
 - (1) mass media
 - (2) personal interest
 - (3) race
 - **(4)** religion
 - A. (1), (2) and (3) only
 - В. (1), (2) and (4) only
 - C. (1), (3) and (4) only
 - D. (2), (3) and (4) only
- 9. Eight teams participate in a single round-robin volleyball competition. How many matches are there in total?
 - A.
 - В. 28
 - C. 35
 - 56
- 10. The recreation management process usually includes the following four steps.
 - (1) leading
 - (2) controlling
 - (3) organising
 - (4) planning

Which of the following is the best managing sequence?

- A. $(1) \rightarrow (3) \rightarrow (2) \rightarrow (4)$
- B. $(1) \rightarrow (4) \rightarrow (2) \rightarrow (3)$
- C. $(4) \to (1) \to (3) \to (2)$
- $(4)\rightarrow(3)\rightarrow(1)\rightarrow(2)$ D.

- (1) Government subsidies
- (2)Ticketing income
- (3) Hong Kong Jockey Club Charity Trust Fund
- (4) Prize money won by athletes in competitions
 - A. (1) and (2) only
 - (1) and (3) only B.
 - (2) and (4) only C.
 - D. (3) and (4) only
- 12. Figure 1 and Figure 2 show the postures of an ordinary press-up and a press-up with knee support respectively.

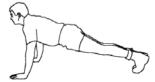


Figure 1



Figure 2

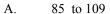
Which of the following descriptions is correct?

- A. The ordinary press-up is more difficult because there is a smaller moment of force and a larger weight to support.
- B. The ordinary press-up is more difficult because there is a larger moment of force and a larger weight to support.
- C. The press-up with knee support is easier because more muscle groups are involved.
- D. The press-up with knee support is easier because there is a larger moment of force.
- 13. Which planes do abduction and adduction move along?

	Abduction	Adduction
A.	sagittal	frontal
B.	frontal	transverse
C.	transverse	frontal
D.	frontal	frontal

14. Which of the following descriptions about the leverage principle is correct?

	First Class Lever	Third Class Lever
A.	load lies between fulcrum and effort	effort lies between fulcrum and load
B.	fulcrum lies between effort and load	load lies between fulcrum and effort
C.	load lies between fulcrum and effort	fulcrum lies between effort and load
D.	fulcrum lies between effort and load	effort lies between fulcrum and load



- В. 97.5 to 136.5
- C. 135 to 159
- 147.5 to 176.5 D.
- 16. Which of the following indices best reflects the level of cardio-respiratory endurance?
 - A. Maximal oxygen uptake
 - Maximum heart rate B.
 - C. Resting heart rate
 - D. Blood lactate concentration
- 17. Which of the following descriptions about interval training are correct?
 - (1) Interval training refers to training with a combination of exercises interspersed with periods of
 - Exercise period normally lasts less than 20 seconds and the ratio of exercise and rest is 1:3. (2)
 - Long duration of moderate intensity training can improve anaerobic metabolic capacity. (3)
 - Interval training is suitable for improving anaerobic metabolic capacity. (4)
 - A. (1) and (2) only
 - (1) and (3) only В.
 - C. (1), (2) and (4) only
 - D. (2), (3) and (4) only
- 18. Which of the following training effects should a 400-metre runner achieve?
 - A. increase in the number of slow-twitch muscle fibres
 - B. increase in the lactate threshold
 - increase in the number of fast-twitch muscle fibres C.
 - increase in the number of mitochondria D.
- 19. Compared with healthy males, which of the following descriptions about healthy females is correct?

	Body Fat	Flexibility	Bone Density
A.	More	Lower	Higher
B.	More	Higher	Lower
C.	More	Higher	Higher
D.	Less	Higher	Lower

- - (2) and (4) only B.
 - C. (1), (3) and (4) only
 - D. (2), (3) and (4) only
- 21. Which of the following movements is a closed skill in competition?
 - A. golf swing
 - B. basketball pass
 - C. volleyball set
 - D. wall pass in football
- A badminton player is going to compete with a player he has never defeated before. Which of the 22. following may assist him to manage the stress?
 - believing he is well-prepared for the competition and focusing on playing to his strengths (1)
 - (2) practising relaxation imagery
 - (3) setting goals
 - **(4)** forgetting past performances and concentrating on the present
 - A. (1), (2) and (3) only
 - B. (1), (2) and (4) only
 - C. (1), (3) and (4) only
 - D. (2), (3) and (4) only
- 23. Which of the following are the first two stages of skill learning?

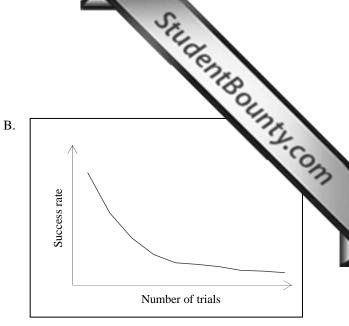
	First Stage	Second Stage
A.	motor	cognitive
B.	cognitive	motor
C.	imitation	cognitive
D.	cognitive	imitation

- 24. Which of the following are the characteristics of fast-twitch muscle fibre?
 - (1) slow transmission speed of nerve signals
 - (2) muscle fibre becomes fatigued easily
 - (3)muscle fibre contracts quickly
 - A. (1) and (2) only
 - B. (1) and (3) only
 - C. (2) and (3) only
 - (1), (2) and (3)D.

25. Which of the following is a typical learning curve?

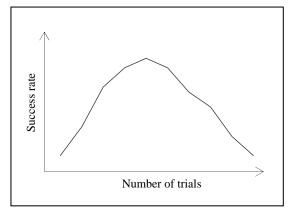
A.

Number of trials



C.

Number of trials



- 26. Which of the following can produce red blood cells?
 - (1) heart
 - (2) bone marrow
 - (3) liver
 - (4) brain stem
 - A. (2) only
 - B. (3) only
 - C. (1) and (2) only
 - D. (3) and (4) only
- 27. Which of the following is the definition of oxygen consumption?
 - A. The percentage of oxygen in the exhaled air.
 - B. The volume of oxygen in the exhaled air.
 - C. The difference in amount of carbon dioxide between inhaled air and exhaled air.

D.

D. The difference in amount of oxygen between inhaled air and exhaled air.

28. Which of the following is correct?

	bone to bone connection	muscle to bone connection
A.	ligament	tendon
B.	tendon	ligament
C.	ligament	cartilage
D.	tendon	cartilage

- 29. Which of the following muscles contracts when bending the forearm?
 - A. deltoid
 - B. biceps
 - C. triceps
 - D. trapezius
- 30. Which of the following is the correct expression of Body Mass Index? (The unit of weight is kg and the unit of height is m.)

Student Bounty.com

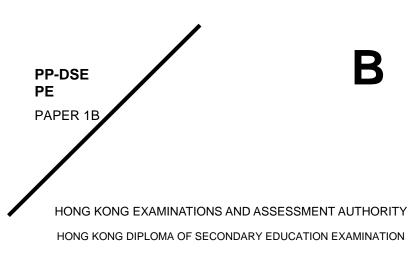
- A. weight / height
- B. weight² / height
- C. weight / height²
- D. height² / weight
- Peter is 20 years old and his training intensity is 90 100% of the maximum heart rate. Which of the following is his target heart rate range (beats / minute)?
 - A. 200 220
 - B. 180 200
 - C. 160 180
 - D. 140 160
- 32. Which of the following is correct about the functions of minerals?

	Muscle contraction	Assists blood in carrying of oxygen
A.	Iodine	Magnesium
B.	Iodine	Iron
C.	Calcium	Magnesium
D.	Calcium	Iron

- 33. Which of the following is/are the function(s) of fat?
 - (1) as energy reserve
 - (2) protect internal organs
 - (3) store protein
 - A. (2) only
 - B. (3) only
 - C. (1) and (2) only
 - D. (1) and (3) only

- - $(3) \to (4) \to (2) \to (1)$ B.
 - C. $(3)\rightarrow(1)\rightarrow(4)\rightarrow(2)$
 - D. $(4) \rightarrow (1) \rightarrow (2) \rightarrow (3)$
- 35. Which of the following are the functions of warming up?
 - (1) produce more synovial fluid
 - (2) increase viscosity of muscle
 - (3) speed up transmission of oxygen
 - (4) dilate capillaries
 - A. (1), (2) and (3) only
 - (1), (2) and (4) only B.
 - C. (1), (3) and (4) only
 - D. (2), (3) and (4) only
- Which of the following are the symptoms of heat cramp? 36.
 - headache (1)
 - (2) stopping sweating
 - (3) muscle fatigue
 - **(4)** thirst
 - A. (1) and (2) only
 - B. (1) and (3) only
 - (2) and (4) only C.
 - (3) and (4) only D.

END OF SECTION A



PRACTICE PAPER

PHYSICAL EDUCATION PAPER 1

SECTION B: Question-Answer Book B

This paper must be answered in English

INSTRUCTIONS

- (1) After the announcement of the start of the examination, you should first write your Candidate Number in the space provided on Page 1 and stick barcode labels in the spaces provided on Pages 1, 3 and 5.
- (2) Refer to the general instruction on the cover of the Question Paper for Section A.
- (3) Answer ALL questions.
- (4) Write your answers to Section B in the spaces provided in this Question-Answer Book. Do not write in the margins. Answers written in the margins will not be marked.
- (5) Supplementary answer sheets will be supplied on request. Write your candidate number, mark the question number box and stick a barcode label on each sheet, and fasten them with string INSIDE this book.
- (6) Present your answers in paragraphs wherever appropriate.
- (7) No extra time will be given to candidates for sticking on the barcode labels or filling in the question boxes after the 'Time is up' announcement.

51	Stude		
Please stick the	bal	THO	ere.
		10	7
Candidate Number			OB

©香港考試及評核局 保留版權 Hong Kong Examinations and Assessment Authority All Rights Reserved 2012



SE	CTIO	NB (54 marks)
1.	(a)	NB (54 marks) State the difference between recreation activities and sport. Give one example each to explain.
		(2 mark
	(b)	Explain two roles of private sport associations (e.g. the South China Athletic Association) in promoting sport development in Hong Kong.
		(2 marks
2.		
2.		ald professionalisation of athletes in the Olympic Games make the drug doping situation worse? State
2.		ald professionalisation of athletes in the Olympic Games make the drug doping situation worse? State
2.		ald professionalisation of athletes in the Olympic Games make the drug doping situation worse? State
2.		ald professionalisation of athletes in the Olympic Games make the drug doping situation worse? State standpoint and give two arguments to explain.
2.		ald professionalisation of athletes in the Olympic Games make the drug doping situation worse? State standpoint and give two arguments to explain.
2.		ald professionalisation of athletes in the Olympic Games make the drug doping situation worse? State standpoint and give two arguments to explain.

		Please stick the bard ere
		Please stick the barc ere Many people like sport simulation game consoles. Using joysticks, participants can simulate playing
3.	(a)	Many people like sport simulation game consoles. Using joysticks, participants can simulate playing sport games, e.g. tennis and golf. State and explain one positive and one negative influence of these game consoles on promotion of sport participation.
		(2 marks)
	(b)	Give three suggestions to school physical education teachers on how to encourage students to participate more in physical activities.
		(3 marks)
		(3 marks)
4.		re is a substantial relationship between sport and politics. Give two examples to explain the mutual lence between them.
		(2 marks)

	Using organising a marathon race as an example, state and explain four elements that the consider in judging the organiser's negligence.	1
		(4 mark
6.	Data shows that there is an increasing number of people suffering heat stroke when hiking.	
	(a) State two symptoms of heat stroke.	
	(b) State two treatments for heat stroke.	(2 marks
	(b) State two treatments for heat stroke.	
		(2 mark
		(2 mark)

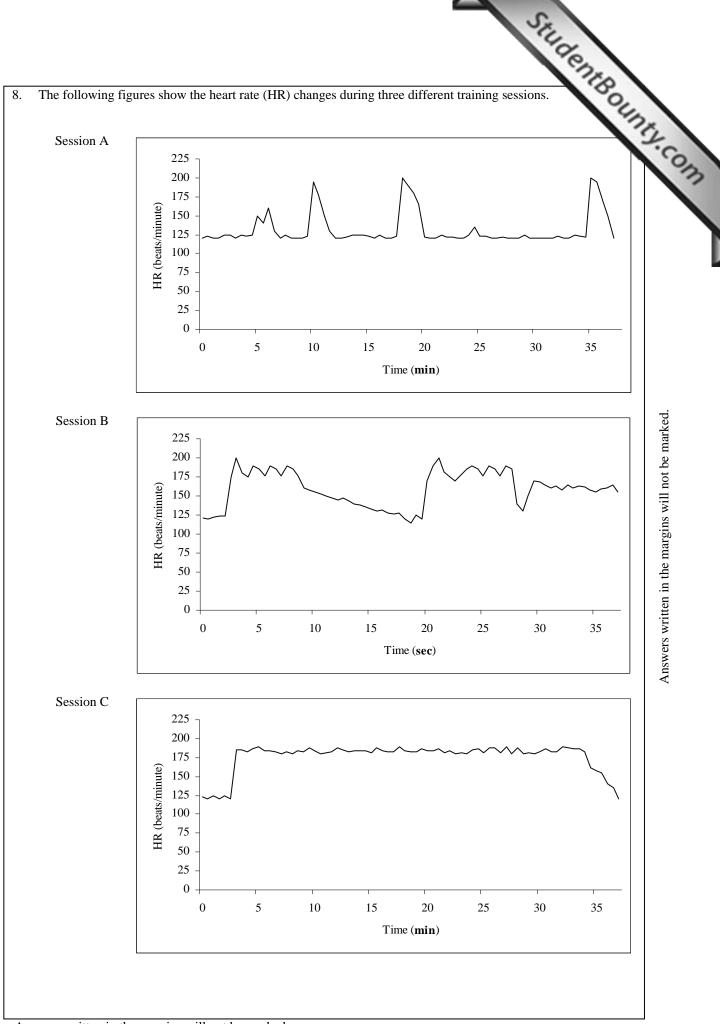


(a)	The athlete spins 4 turns in 2 seconds.	Calculate the average angula	ar velocity of the	hammer and show
	the steps.			

	(2 marks)
Explain why athletes with a higher angular velocity in the hammer throw perform better.	

(2 marks)

Answers written in the margins will not be marked.

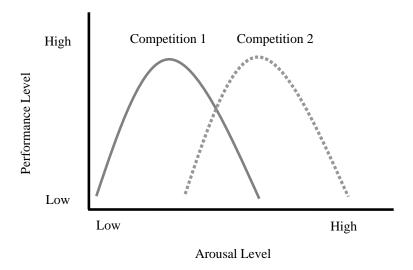


	()		18
	(a)	Describe the training methods employed in the three training sessions.	1
			(3 mar
	(b)	Give one example of training arrangements for each training method answered in (a) ${}^{\circ}$	
			(3 mar
9.	Expl	ain two considerations in designing training programmes for the elderly.	
			(2 mar

Answers written in the margins will not be marked.

										Stu	ohiev de
10.	(a)		arousal, in sport	and	describe	three	psychological	factors	involved	in ac	chiev
											(3 marks

(b) The chart below shows the relationship between arousal and performance of an athlete in different competitions.



Answers written in the margins will not be marked.

Give three examples to explain why there are different inverted-U hypothesis curves.

Answers written in the margins will not be marked.

(i)

(ii)	State three methods that an athlete can employ to maintain a high at competitions.	rousar
		(C o. d.
		(6 mark

Answers written in the margins will not be marked.

(a)	State two functions of the skeleton system in performing sport.
	State two functions of the skeleton system in performing sport.
	(2 marks
(b)	In a competition, an athlete hurts his cervical vertebrae only, without hurting his head, but his spor performance is severely affected later. State and explain two possible reasons.
	(2 mark
(c)	State and explain why it is more appropriate to breathe through the nose when exercising in an air polluted environment.
	(2 mark

	Exercise prescription improves physiological function through individualised and systematic activities planning. It can improve illness situation with the aid of other treatments. State and explain chronic diseases that can improve illness situation through exercise prescription.
	(2 mork
	(3 mark
13.	State three sport-related fitness components and one method of measuring each.
	(21
	(3 mark)
	END OF PAPER
1	Sources of materials used in this paper will be acknowledged in the <i>Hong Kong Diploma of Secondar Education Examination Practice Papers</i> published by the Hong Kong Examinations and Assessment Authority at a later stage.

PP-DSE PE PAPER 2 HONG KONG EXAMINATIONS AND ASSESSMENT AUTHORITY
HONG KONG DIPLOMA OF SECONDARY EDUCATION EXAMINATION

PRACTICE PAPER PHYSICAL EDUCATION PAPER 2

(1 hour 15 minutes)
This paper must be answered in English

INSTRUCTIONS

- (1) There are **THREE** questions in this paper. Answer any **TWO** questions.
- (2) Write your answers in the Answer Book. Start each question (not part of a question) on a new page.

©香港考試及評核局 保留版權 Hong Kong Examinations and Assessment Authority All Rights Reserved 2012 Not to be taken away before the end of the examination session

- The football World Cup has a long history and in 2010, the final round was held in South Africa 1. 32 teams from different countries and regions participated.
- Student Bounts, com (a) From sport development and historical point of view, discuss one reason each why South Afr succeeded in its bid for organising the final round of the football World Cup.

Some citizens objected that the right for broadcasting the football World Cup in Hong Kong was (b) obtained by a pay TV broadcasting company. State and discuss two arguments for their objections.

(2 marks)

(c) Due to the fast tempo of football matches, referees may make wrong judgements. Some people suggest using video replay to assist the referees in making judgements. This suggestion has been widely discussed. State your standpoint and discuss three supporting or counter arguments.

(3 marks)

(d) Give two supporting and counter arguments each to discuss whether the host country can advance automatically to the football World Cup final round.

(4 marks)

Read the article below about an incident in the 2010 football World Cup. (e)

> In the match between Holland and Denmark during the World Cup, thirty-six female Holland fans were thrown out of the stadium. FIFA officials accused them of wearing orange skirts to promote an unlicensed beer brand, which was not an official sponsor of the World Cup. FIFA referred the case to the South African police. The police told the media that they would charge these women of ambush marketing, which was illegal in South Africa. However, the women claimed that they were simply supporting their country by wearing dresses in Holland's trademark colour.

Discuss whether it is appropriate to restrict the clothing of spectators inside the match stadium. (3 marks)

Hong Kong football teams achieved remarkable results in the qualifying games of the football World Cup in the 70s and 80s. However, their recent results have not been satisfactory and the standard is far below some strong teams in Asia.

(f) Give two suggestions each for the long-term and short-term development of the Hong Kong football team and discuss how to improve the team's performance.

(4 marks)

- 2. John is a 100m sprinter and Peter is a marathon runner.
 - (a) State and explain the main energy systems they use in their respective events.

Student Bounty.com (b) John is at the preparatory phase for competition and wants to improve his performance in the 100m sprint by weight training. Based on the 'FITT' principle, design and explain a weight training programme composed of **three** activity items.

(3 marks)

John did not perform satisfactorily in past competitions because he was always too nervous. State (c) two relaxation methods that may help him in controlling his arousal level. Describe briefly how each of the methods is conducted.

(2 marks)

- (d) Goal setting is a commonly used psychological skill.
 - State the 'SMART' goal setting principle. (i)
 - (ii) State and discuss two types of goals in physical activities by using marathon training as an example.

(4 marks)

(e) A powerful thrust of the foot on the starting block is always emphasised in the training of the crouch start. Use Newton's Laws of Motion and a force diagram to explain this training point.

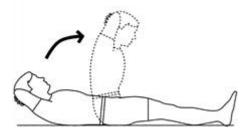
(4 marks)

(f) Read the article below about the use of heart rate monitors in training.

> Athletic heart rate monitors have existed for several years. They are designed for athletes to wear during strenuous exercise, and serve the purposes of measuring and recording heart rates. The accuracy of heart rate monitors is high. They provide instant feedback on the work load of the heart. Athletes can know their instant heart rate during exercise. The recording function provided in some heart rate monitors allows athletes to have a database of performance throughout different stages of training, such as the heart rate on different laps or at different stages of marathon running.

> Discuss how the data captured by the heart rate monitor can help marathon runners to plan their training.

> > (3 marks)



- (a) David practises sit-up as shown in the figure above. He feels pain in his lower back and neck.
 - (i) Identify **two** mistakes of practising sit-up in this way and suggest the corresponding correct postures.
 - (ii) State and explain **two** treatments for his pain.

(4 marks)

Student Bounty Com

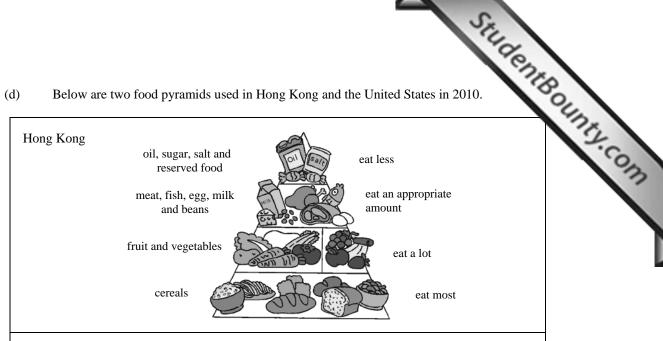
(b) David wishes to do some physical exercise to control his body weight. He starts by running, which is around 7 MET. Explain what 7 MET is and its significance in weight control.

(3 marks)

(c) Describe the hip and knee joint movements, and state the muscles involved in the leg movement of running.

(4 marks)

(d) Below are two food pyramids used in Hong Kong and the United States in 2010.



United States



GRAINS VEGETABLES	FRUITS	MILK	MEAT & BEANS
-------------------	--------	------	-----------------

GRAINS	VEGETABLES	FRUITS	MILK	MEAT & BEANS	
6 ounces	2½ cups	2 cups	3 cups	5½ ounces	
every day	every day	every day	every day	every day	

- (i) Compare the diet recommendations of the two pyramids. State and discuss two similarities and one difference between them.
- (ii) Following the guidelines provided in the above two pyramids, David eats a lot of fruits only every day. Discuss two implications of this diet habit in weight control and personal health.
- (iii) Explain why the intake of oil and salt should be low.

(7 marks)

END OF PAPER

Sources of materials used in this paper will be acknowledged in the Hong Kong Diploma of Secondary Education Examination Practice Papers published by the Hong Kong Examinations and Assessment Authority at a later stage.

鳴謝 Acknowledgements

本專輯的試題曾引用下列刊物的資料:

'GENTBOUNTY.COM Material from the following publications has been used in question papers in this volume:

MyPyramid http://www.mypyramid.gov/downloads/MyPyramid_Anatomy.pdf

http://www.mypyramid.gov/downloads/MiniPoster.pdf

Chris Turner Men's Hammer Throw – FINAL

http://www.iaaf.org/OLY08/news/kind=108/newsid=46791.html

World Cup 2010: Fifa detains 36 female Holland fans for 'ambush

http://www.guardian.co.uk/football/2010/jun/15/holland-ambush-m arketing-fifa-dresses

marketing'

World Cup 2010: Police arrest women in Dutch orange dresses http://www.telegraph.co.uk/sport/football/competitions/world-cup-2010/7830319/World-Cup-2010-Police-arrest-women-in-Dutch-ora

nge-dresses.html

Heart Monitor Training Alex Sinha

http://www.marathonguide.com/training/articles/HeartMonitorTrain

ing.cfm

www.weight-lifting-workout-rou

tines.com

http://www.weight-lifting-workout-routines.com/sit-ups.jpg

Diet & Nutrition http://www.studenthealth.gov.hk/english/health/health_dn/health_d

n_hv.html

專輯內試題引用的資料,蒙有關出版社/機構准予使用,本局深表感銘。倘當中 引用的資料有未及取得版權持有者同意,或因未悉其來源而有牴觸版權之處,祈 為鑒諒。

本局已盡一切努力追溯資料的來源,如有因資料來源錯漏而導致牴觸版權的情 況,懇請有關的版權持有者聯絡本局,以便作出適當的安排。

The Authority is grateful to publishers/organizations for permission to include in the question papers material from their publications. We apologise for any infringement of copyright in respect of material printed in this volume, for which permission has not been obtained in time or for which the sources could not be traced.

Every effort has been made to trace copyright. However, in the event of any inadvertent infringement due to errors or omissions, copyright owners are invited to contact us so that we can come to a suitable arrangement.