



UNIVERSITI TUN HUSSEIN ONN MALAYSIA

**FINAL EXAMINATION
SEMESTER II
SESSION 2016/2017**

COURSE NAME : HUMAN ANATOMY AND PHYSIOLOGY
COURSE CODE : BWC 31503
PROGRAMME CODE : BWC
EXAMINATION DATE : JUNE 2017
DURATION : 3 HOURS
INSTRUCTION : ANSWER ALL QUESTIONS

TERBUKA

THIS QUESTION PAPER CONSISTS OF **FOUR (4)** PAGES

- Q1** The skeleton is the structural framework that gives the body its shape and protects the internal organs and soft tissues.
- (a) List **FOUR (4)** components of skeletal system. (4 marks)
- (b) Explain briefly how the skeletal system can perform the function of body support and movement. (4 marks)
- (c) Relate the importance of cartilage to the structure of the skeletal system. (12 marks)
- Q2** **Figure Q2** shows a sagittal section of the male reproductive system.
- (a) Name the structure of P, Q, R and S. (4 marks)
- (b) Explain **ONE (1)** effect of dysfunction of structures that answered in **Q2(a)**. (4 marks)
- (c) Discuss the effects of aging on male reproductive function. (12 marks)
- Q3** The reproductive system of female and male consists of primary and secondary sex organs. The primary sex organs or gonad are organs that produce gametes. The secondary sex organs are organs other than gonads that are necessary for reproduction.
- (a) Tabulate the comparison between female and male physiological sexual responses cycle as described by Masters and Johnson (1966). (8 marks)
- (b) Illustrate and briefly describe the role of hormones in female sexual cycle. (12 marks)
- Q4** Pain is important in warning us of potentially injurious conditions because pain receptors are stimulated.
- (a) Explain **TWO (2)** components of pain sensation. (4 marks)
- (b) Describe how the acupuncture method can be used to lessen pain. (8 marks)
- (c) Discuss why heart attack victims often feel cutaneous pain which radiating from the left shoulder down the arm. (8 marks)

Q5 A child trapped air in a bucket 1 meter underwater and then swam under the bucket to breathe from the air space. Unfortunately the child died few hours after being taken to the hospital.

- (a) Analyze the condition that causes the death of the child. (8 marks)

- (b) Discuss how the scuba divers may experience the similar condition as answered in **Q5(a)**. Suggest and briefly describe a technique that has to be performed by divers to avoid the occurrence of that specified effect. (12 marks)

-END OF QUESTIONS-

TERBUKA

CONFIDENTIAL

FINAL EXAMINATION

SEMESTER / SESSION: SEM II / 2016/2017
COURSE : ANATOMY AND PHYSIOLOGY

PROGRAMME CODE : BWC
COURSE CODE : BWC 31503

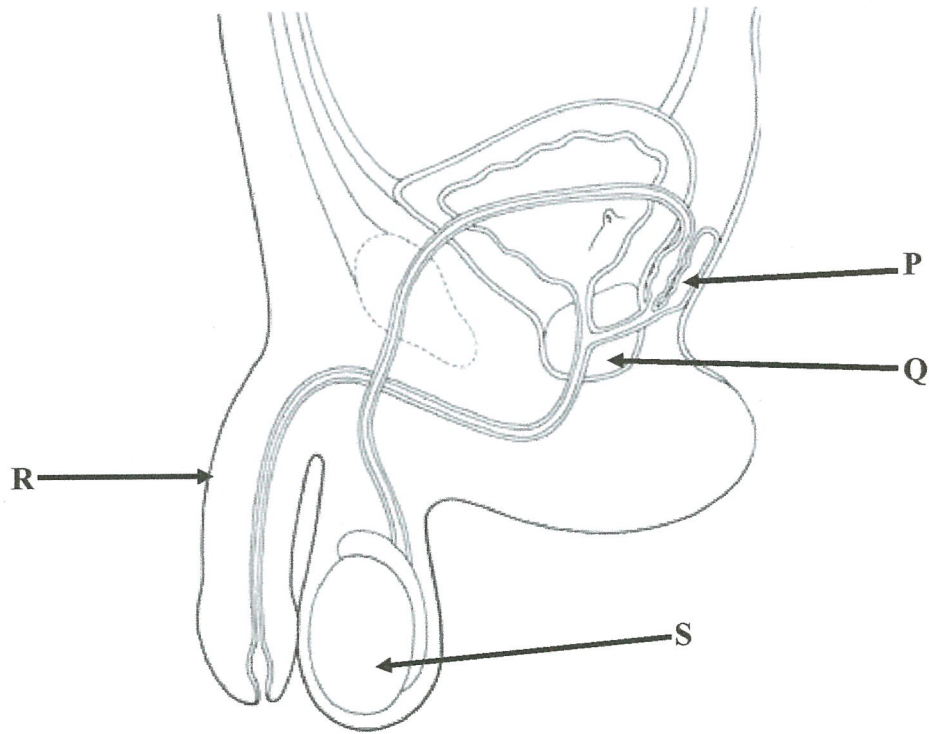


Figure Q2

TERBUKA

CONFIDENTIAL