

2 0 1 4

( June )

ANATOMY & PHYSIOLOGY

Full Marks : 75

Time : 3 hours

*The figures in the margin indicate full marks  
for the questions*

Answer **all** questions

*Write the answers to the two Halves  
in separate books*

FIRST HALF

1. Write an essay on coronary circulation with suitable diagram. 10
2. Describe the tongue with its applied importance.  $8 + 4 = 12$
3. Write short notes on *any three* of the following:  $5 \times 3 = 15$ 
  - a) Testis
  - b) Vermiform Appendix
  - c) Epithelial cells
  - d) Stomach
  - e) Pituitary gland

( Turn Over )

## SECOND HALF

4. Fill in the blanks: 1 × 8 = 8
- (a) The structural and functional unit of nervous system is Neurons.
- (b) After birth the red blood cells are formed in Red bone marrow.
- (c) The cranial nerve concerned with the function of heart is Vagus nerve.
- (d) The proteolytic enzyme present in gastric juice is Pepsin.
- (e) Volume of urine formed in an adult in one day is 1-2 litre.
- (f) There is partial digestion of starch in the mouth.
- (g) Menarche is onset of menstruation.
- (h) Myopia is corrected by using Concave lens.
5. What is the composition of blood? Describe the functions of blood. 5 + 5 = 10
6. Write short notes on *any four* of the following: 5 × 4 = 20
- Functions of skin
  - Tidal volume
  - Neuromuscular junction
  - Growth hormone
  - Ovulation

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