

MAY 2013

U/ID 14805/UCQD

Time : Three hours

Maximum : 100 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

All questions carry equal marks.

Each answer should not exceed 50 words.

Define/Explain comment.

1. Endoplasmic Reticulum.
2. Cardiac Muscle.
3. Anaemia.
4. Chewing.
5. Dialysis.
6. Muscles of Respiration.
7. Functions of CSF.
8. Actions of thyroxine.
9. Contraception.
10. Bones of middle ear.

PART B — (5 × 6 = 30 marks)

Answer ALL questions.

All questions carry equal marks.

Each answer should not exceed 250 words

11. (a) Explain the structure of cell membrane.

Or

- (b) List the composition and functions of blood.

12. (a) Describe the movements of stomach.

Or

- (b) List the functions of liver.

13. (a) Define GFR explain the process of glomerular filtration formation.

Or

- (b) Explain the anatomy of urinary bladder and describe the process of micturition.

14. (a) Define and explain the various types of Hypoxia.

Or

- (b) Explain chronic mountain sickness.

15. (a) Describe the function of hypothalamus.

Or

(b) Describe the functions of cerebellum.

PART C — (5 × 10 = 50marks)

Answer ALL questions.

All questions carry equal marks.

Each answer should not exceed 500 words.

16. (a) Explain the various transport mechanism across cell membrane.

Or

(b) Classify the total Body water explain the ECF compartment.

17. (a) Classify the white Blood cells explain their functions.

Or

(b) Describe the various Blood groups explain the uses of Blood grouping.

18. (a) Explain how CO₂ is transported from the tissues to the Lungs.

Or

(b) Describe the regulation of respiration

19. (a) Describe the structure and function of skin.

Or

(b) Describe the structure of Nephron.

20. (a) Describe the structure of Neuron.

Or

(b) Define a reflex. Explain a reflex arc with Example.
