

13. Name four diseases associated with the respiratory system.
14. Identify the 'different sections of large intestine.
15. Differentiate between the anatomical directional terms: proximal and distal with an example.

PART-B

Note: Answer Multiple Choice Questions in Part-B in the FIRST PAGE of Part-B Answer Booklet Only.

Answer part A & B questions in two separate answer books. Question in part "A" should not be answered in part "B" and vice versa. Otherwise they will not be valued.

Part-B (Applied Physiology) = 38 Marks

Choose the correct answer for the following MCQ

7 X 1 = 7

16. Which of these hormones stimulates the development of secondary sexual characteristics at puberty
 - a) Prolactin
 - b) Estrogen
 - c) Progesterone
 - d) Oxytocin
17. The process of passive movement of water down its concentration gradient across a semi-permeable membrane is
 - a) Osmosis
 - b) Diffusion
 - c) Pinocytosis
 - d) Phagocytosis
18. The amount of air passing into and out of the lungs during each cycle of breathing is
 - a) Tidal volume
 - b) Inspiratory capacity
 - c) Residual volume
 - d) Total lung capacity
19. What is the term given to the movement where the forearm is laterally rotated so that the palm comes to face forward.
 - a) Supination
 - b) Pronation
 - c) Opposition
 - d) Protrusion
20. Which of the following is a feature of hepatic bile.
 - a) Dark brown colour
 - b) Has 6g/dl of bile salt
 - c) Has 80% of water
 - d) Has 100 mEq/L of chloride
21. The cranial nerve associated with the sense of smell is
 - a) Optic nerve
 - b) Olfactory nerve
 - c) Facial nerve
 - d) Trochlear nerve
22. The red pigment considered as the important constituent of red blood cells is
 - a) Haemoglobin
 - b) Bilirubin
 - c) Albumin
 - d) Porphyrin

Write an essay on any ONE of the following:

1 X 10 = 10

23. Differentiate between systolic and diastolic blood pressure. List the factors that influence blood pressure. Explain the regulation of blood pressure.

24. Discuss the digestive functions of the stomach

Write short note on any THREE of the following:

3 X 5 = 15

25. Regulation of Respiration.

26. Hormones of the thyroid gland and its action.

27. Nursing implications related to the skin.

28. Oogenesis.

Write briefly on the following:

3 X 2 = 6

29. Write four functions of skeletal muscle.

30. Write the composition of cerebrospinal fluid.

31. Classify white blood cells.
