

ANATOMY AND PHYSIOLOGY

Time: 3 Hours

Max Marks: 75

Note: 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-A

ANATOMY (37 Marks)

Write an essay on any ONE of the following: **1 X 12 = 12**

1. Enumerate the organs of Respiratory system. Explain the gross anatomy of lungs.
2. Enumerate the parts of central nervous system. Describe the brain in detail.

Write short note on any THREE of the following: **3 X 5 = 15**

3. Structure of blood vessel.
4. Salivary glands.
5. Anatomy of the pancreas.
6. Classification of lymphatic organs and tissues.
7. Liver.

Write briefly on the following: **5 X 2 = 10**

8. Name the parts of stomach.
9. List out special senses.
10. Hinge Joint.
11. Valves of the heart.
12. Blood groups.

Part-B

PHYSIOLOGY (38 Marks)

Write an essay on any ONE of the following: **1 X 13 = 13**

13. Define Glomerular filtration rate. Explain the factors influencing it.
14. Describe in detail the functions of cells.

Write short note on any THREE of the following: **3 X 5 = 15**

15. What is Homeostasis. Write in detail about acid-base balance.
16. Cerebrospinal fluid.
17. Auditory pathway.
18. Cardiac output.
19. Digestive enzymes.

Write briefly on the following: **5 X 2 = 10**

20. Functions of smooth muscles.
21. Antibodies.
22. Functions of Ovary.
23. List the muscle proteins.
24. Enumerate four functions of cerebellum.