

PHYSIOLOGY

Time: 3 Hours.

Max Marks: 80

Note: Answer all questions

Give Diagrammatic representation wherever necessary.

Write an essay on any TWO of the following:

2 X 10 = 20

1. Functions and synthesis of Haemoglobin. Fate of Haemoglobin.
2. Secretions and function of Bile. Add a note on Jaundice.
3. Define Blood Pressure. Normal value and regulation of Blood pressure. Note on Hypertension.

Write a short note on any SIX of the following:

6 X 5 = 30

4. Non respiratory function of respiratory tract.
5. CSF formation and functions.
6. Growth hormone functions. Note on acromegaly.
7. Different parts of Nephron. Draw a neat diagram.
8. What is lactation. Different hormones influencing it.
9. Semen analysis.
10. Glomerular filtration rate.
11. What is vital capacity. Define and write its normal value.

Write briefly on the following:

10 X 3 = 30

12. Pregnancy test.
13. Name two hormones secreted from pancreas.
14. Draw normal ECG wave patter.
15. Draw spirogram.
16. ESR and PCV.
17. Hearing tests.
18. All or none law.
19. Functions of Neutrophils.
20. Side effects of blood transfusion.
21. Neuron structure.
