

First Year BPT Degree Supplementary Examinations March 2018

PHYSIOLOGY
(2010 scheme)

Time : 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays:

(2x10=20)

1. Define Blood pressure and give the normal values. Explain the long term regulation of Blood Pressure and add a note on hypertension
2. Define Neuromuscular junction. Draw a neat and labeled diagram. Explain neuromuscular transmission

(10x5=50)

Short notes:

3. Iron deficiency anaemia
4. Factors affecting glomerular filtration rate
5. Hypoxic hypoxia
6. ECG
7. Trace the taste pathway
8. Errors of refraction
9. Functions of skin
10. Factors affecting erythropoiesis
11. Draw the diagram of visual pathway
12. Hazards of mismatched blood transfusion

Answer briefly:

(10x3=30)

13. Fick's principle on cardiac output
14. Functions of liver
15. Draw a myelinated nerve and label it
16. Define the terms • light adaptation • dark adaptation
17. List the functions of platelets
18. Saltatory conduction
19. Define immunity and list the types
20. List the symptoms of diabetes mellitus
21. Define residual volume and give the normal value
22. Functions of cerebrospinal fluid
