
+2 BIOLOGY – UNIT TEST 1

HUMAN PHYSIOLOGY PART-1, TAXONOMY

Time :1 hr 30 min

Mark : 75

Answer all questions

PART I

14 x 1 = 14

Choose and write the correct answer

1. The partial pressure of O₂ in venous blood is ----- mm Hg
(a) 40 (b) 140 (c) 96 (d) 100
2. -----area provide motivation and fore sight to plan and initiate movement
(a) Pre motor (b) Motor (c) Primary Sensory (d) Prefrontal
3. During ----- arterial wall bulges and form a sac like structures and ruptures later.
(a) Meningitis (b) aneurysm (c) Alzhemier (d) Amnesia
4. The repairative Phase of bone fracture takes place in about -----weeks
(a) 3 to 4 (b) 4 to 6 (c) 8 to 12 (d) 6 to 12
5. The largest leucocytes, increased in number during chronic infections are ----
(a) Basophil (b) Eosinophil (c) Neutrophil (d) Monocyte
6. Which of the following is not the function of left brain
(a) imagination (b) analytical skill (c) number skill (d) scientific skill
7. An intermediate organism between a bacterium and a virus is ----
(a) Protozoan (b) fungus (c) mycoplasma (d) mycorrhizae
8. Malvaceae plant used to treat dysentery is ----
(a) Althaea rosea (b) Malva sylvestris (c) Abutilon indicum (d) Pavonia odorata
9. Thirikalamalli is the common name for -----plant
(a) Abutilon indicum (b) Pavonia odorata (c) Malva rotundifolia (d) Curvembryeae
10. According to Bentham & Hooker Podostemaceae placed in the series
(a) Daphnales (b) Thalamiflorae (c) Multiovulatae aquaticae (d) Curvembryeae
11. Zygomorphic solanaceae plant is ----
(a) Withania somnifera (b) Daturastramonium (c) Schizanthus pinnatus (d) Solanum nigrum
12. The number of species included in Euphorbiaceae
(a) 150 (b) 2,800 (c) 1,500 (d) 7,500
13. The Euphorbiaceae plant used to treat leprosy is-----
(a) Manihot glaziovi (b) E. pulcherrima (c) Jatropha gossypifolia (d) Manihot esculenta

14. The inflorescence of croton sparsiflorus is -----
(a) Catkin (b) Panicle (c) solitary (d) simple raceme

PART II

Answer any seven questions

7 x 3 = 21

15. What is Heart Block?
16. What is thrombosis ?
17. Differentiate Slow wave sleep and REM sleep?
18. Write the functions of CSF?
19. What is Strangulated hernia?
20. Write the systematic position of Malvaceae ?
21. Name any three inflorescence types of Solanaceae with example?
22. Write about Androecium of Ricinus communis ?
23. Write the aims of Biosystematics ?
24. Write about Gynoecium of Datura metal ?

PART –III

Answer Question No.25 is compulsory

Answer any four of the following

4 x 5 = 20

25. Write the benefits of aerobic exercise?
26. Define – Heart transplantation, Write any three about limiting factors ?
27. Explain the structure of sarcomere?
28. Explain Right and Left brain concept?
29. Explain inflorescence types of Euphorbiaceae?
30. Write the economic importance of solanaceae?
31. Write about aims and method in the study of biosystematics?

PART – IV

Answer any two questions in detail

2 x 10 = 20

32. Explain the mechanism of breathing ?
33. Explain Origin, conduction of heart beat and Cardiac cycle?
34. Describe Ricinus communis in botanical terms?