

TEST – 2 (Science VII 60mks)

SECTION A

1. Write any 2 differences between climate and weather? 1
2. What is diff between respiration & combustion? 1
3. What other name is there for A, B & C horizons in a soil profile? 1
4. What is cellular respiration? 1
5. Which type of image is obtained when a convex mirror is held closer to the object? 1
6. What is sweating? 1
7. What are embryo and zygote? 1
8. What is gravitational water? 1
9. Name the various conducting tissues. 1
10. Write any one adaptation animals have in hot & dry climates. 1
11. What is reflection of light? 1
12. What is transpiration? 1
13. Define fertilisation 1
14. What are blood capillaries? 1
15. Diffusion of gases in plants occurs through 3 diff sources. Name them. 1

SECTION B

16. Which acid/base is present in vinegar, proteins & milk of magnesia? Also mention the characterstic taste of bases. 2
17. a. What is meant by rectilinear propagation of light? 1
- b. Which type of lense is also called converging lenses? 1
18. Which transportation system is present in humans? Also name the instrument used to measure heartbeats. 2
19. True/false 2
- a. The layer of carbon dioxide & water vapour around earth prevents faster cooling of earth.
- b. Sand has better capacity to hold capillary water compared to gravel and clay.
20. Crop of paddy requires a lot of water for its growth. Which type of soil according to you would be best suited to grow paddy? 2

21. Write two differences between Binary fission & Budding. 2
22. What are spherical mirrors? Give examples also. 2
23. Define what is meant by dispersal of seeds. Give two points to show its significance. 2
24. What is migration? Why do animals migrate? 2
25. If phenolphthalein is added to common salt solⁿ and further 20ml of Hydrochloric acid was also added. What colour changes do you observe at every step? 2

SECTION C

26. When and why is rainbow formed? Name the colours that appear in a rainbow. 3
27. What is weathering? Give four factors responsible for weathering of rocks. 3
28. What adaptations can be observed in polar bears? 3
29. Define neutralisation. Give four applications of neutralisation reaction in our day to day life. 3
30. Define various types of respirations along with the symbolic reactions representing the process. 3

SECTION D

31. Define the whole process of blood circulation in humans with the help of proper diagram. 5

“or”

Define the whole process of blood purification carried out by a dialysis machine.

32. Discuss the any 5 methods of asexual reproduction 5