

PADASALAI'S

BIOLOGY- FULL PORTION QUESTION PAPER (2016-17) **(LN – 1 TO 8 ONLY)**

Class: X STD Subject: SCIENCE (Bio) Marks:75 Time: 2.30hrs

SECTION – A (15 x 1 = 15)

I. Choose and write the correct answer;

1. Somatic gene therapy
(affects sperm, affects egg, affects progeny, affects body cell)
2. Pick out a non-antigen. Entry of _____.
(Germ, Toxins of germs, New forms of protein, Mother's Milk)
3. An endocrine gland which is both exocrine and endocrine is _____.
(Pancreas, pituitary, thyroid, adrenal).
4. The disadvantage of self pollination is
(There is no wastage of pollen grains, The seeds are less in number.
Self pollination is sure in bisexual flowers.
Flowers need not depend on agents of pollination).
5. Pick out an animal which has four chambered stomach _____.
(Elephant, Dolphin, Deer, Kangaroo)
6. The autotrophic nutrition requires
(CO₂ and water, chlorophyll, sunlight, all the above)
7. Which of the following constitute a food chain?
(Grass, wheat and mango; Grass, goat and human;
Goat, cow and elephant; Grass, fish and goat)
8. Odd one out. (Plants, grasshopper, frog, tiger, snake)
9. The _____ forms decomposers in the pond ecosystem
(plants, bacteria, frog, phytoplankton's)
10. The settled and floating materials are removed by this treatment method.
(primary treatment, secondary treatment, tertiary treatment, peripheral treatment)
11. . Pollution in drinking water can be monitored by using _____
(Bio-sensor, Bio-Chips, both, none)
12. Theri Kaadu Mukuperi, is in the district of _
(Cuddalore, Thoothukudi, Nilgris)
13. . _____ fruits split open at maturity to disperse the seeds.
(dry dehiscent, dry indehiscent, schizocarpic)

14. ._____ are concerned with blood clotting to prevent blood loss
(Erythrocytes, Leucocytes, Thrombocytes)
15. The outermost layer of Schwann cells is called____(try without option)

SECTION – B (20 x 2 = 40)

II. Answer (any twenty) questions.

16. In which sources the somatic stem cells are derived ?
17. Define the term; Monoclonal antibodies
18. Mention the Organic acids in Scope of Bio-technology
19. What are Parasitic macro-organisms?
20. What are called fomites?
21. Name two kinds of Medical Management involved.
22. Define; Nerve impulse
23. What are called conus medullaris & Filum terminale?
24. What is called Reduction division?
25. Write a few lines about Akinetes & conidia
26. What are known as caryopsis and chaff ?
27. What is known as hypanthodium?
28. How does the bat hears the echo?
29. What are called meta arterioles & capillaries?
30. What are called renal hilus & ureter?
31. Give two examples for parasitic plants.
32. The digestive system is composed of two groups of organs- Explain
33. Write down the break-down of glucose by various pathways (Eqns.)
34. What is called an eco-system?
35. Define; Desalination
36. Write about Oil Spills
37. List out any two Basic rules for sanitation in public places
38. Give any two uses of Natural gas
39. What is known as aquifers & artesian well?
40. Why should plants synthesize food?

SECTION – C (4 x 5 = 20)

III. Answer (any ONE) question from each options(A,B,C, & D)

- A.41.(i) Explain about Medical Management (OR)
(ii) Explain Symptoms, Transmission, Causative agent ,Control and prevention of Fungal diseases in man(Ringworm)
- B.42. (i) Tabulate Hormones of Neurohypophysis with functions (OR)
(ii) Explain Thyroid Gland a) Dorsal view b) Ventral view & Functions of thyroxine with a neat diagrams
- C.43. (i) Draw the flow chart for Classification of Fruits (OR)
(ii) Describe about Hydrochory and Zoochory (Diagram not necessary)
- D.44.(i) Tabulate any five Important Sanctuaries in Tamilnadu with name, Location and Animals (OR)

(ii) Tabulate any three Important National Parks, Wildlife Sanctuaries and reserves

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