

Padasalai important question volume -1**STD: XI****BIO-BOTANY****LESSION -1 LIVING WORLD****2 OR 3 MARKS**

1. What is biosphere? 1
2. What are the types of reproduction in living organism -2
3. What is Homeostasis? -3
4. Different between Anabolism and catabolism -3
5. What is cyclosis? -4
6. What are the living characters of viruses? -5
7. What are the non living characters of viruses? 5
8. Draw a diagram and label the parts of TMV. -5
9. Draw a diagram and label the parts of T4 bacteria phage. -5
10. Define virion. -8
11. Define viroid -8
12. Define virusoids. -8
13. Define prions -9
14. Any three viral disease in plants 9
15. Any three viral disease in animals -9
16. Any three viral disease in Humans -9
17. Why need classification? -10
18. Define chromista.
19. Draw a diagram and label the parts of Bacteria a cell -15
20. What is plasmid? -16
21. What is capnophilic baceteria? 19
22. What is retting?-24
23. What is archaebacteria? -25
24. What is Heterocycts? 27
25. Write about four class of fungi? -31
26. Define powdery mildews? 33
27. Define ascocarp? 33
28. Draw diagram perithecium and apothecium. 33
29. Define club fungi -34
30. What are the conidia produce special structure? 34
31. what is aflatoxin 36
32. Any three fungal disease of plants -36
33. Define mycorrhizae. 37
34. What is Lichens 38
35. What is Homoiomerous and Heteromerous -38
36. Write about habitat and classification of lichen.-38

Five marks

1. Explain T4 Bacteriophage? -7
2. Explain TMV -6
3. Explain lytic cycle -7
4. Explain lysogenic cycle – 8

5. Explain five kingdom system of classification merits and demerits? -9-11
6. Different between gram positive and gram negative in bacteria – 18
7. Explain bacterial conjugation – 20-21
8. Explain bacterial Transformation or Griffith experiment -21
9. Economic importance of bacteria . -23
10. Salient features of Cynobacteria - 26
11. Explain methods of reproduction of Fungi -30
12. Explain Lichen classification and economic importance -38
13. Economic importance of Fungi -35

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2 OR 3 MARKS

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4. Define Diplontic life cycle -44
5. What is Haplodiplontic life cycle – 44
6. Who was the some Indian algologists -45
7. What are the 11 class of algae 48
8. Explain various types of chloroplast found in algae-48
9. Define Agar Agar -50
10. Define Gemmae – 51
11. What are the three class of Bryophytes – 52
12. What are five subdivision of pteridophytes – 54
13. Define Protostele – 55
14. Define Sipnostele – 55
15. Define Solenostele – 55
16. Draw the diagram of various types of stele – 56
17. Define monoxyletic and pycnoxylic -56
18. Some of the fossil rich sites of India -58-59
19. What are the some fossil like Algae -59
20. What are the some fossil like Bryophytes -59
21. What are the some fossil like Pteridophytes -59
22. What are the some fossil like Gymnosperms -59
23. What are the some fossil like Angiosperms -59
24. Bryophytes is amphibians why? 50 -51
25. Different between anatomical feature of dicot and monocot plants.-60
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27. What is pyrenoidis – 48
28. What is Akinetes - 47
29. How are the gymnosperms classification -57
30. What is Amber? Which group of member produce in Amber 56.
31. What are the corolloid root?
32. Deferent between microsporophyll and megasporophyll -57

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2. What are general character of Algae – 45
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5. Economic importance of pteridophytes -54
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2 OR 3 MARKS

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16. What is dorsal and ventral Leaf ? ex
17. What Isobilateral leaf example
18. What are the secondary function of leaf -76

5- MARKS QUESTIONS

1. Explain taproot modification
2. Explain adventitious root modification
3. Explain sub aerial stem modification

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2 OR 3 MARKS

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5 MARKS

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5 MARKS

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5 Marks

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