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Maninagar Campus

Grade : XI

Subject : Biology

WORKSHEET CH : 1,2 3

1 MARK QUESTIONS

1. Which group comprises of single celled eukaryotes only.
2. Which organisms are the chief producers in oceans ?
3. Name the fungus which causes disease in wheat (i)rust (ii) Smut.
4. Which Ascomycetes has been used extensively in biochemical and genetic work.
5. Who introduced the five kingdom classification of organisms?
6. To which kingdom the multicellular decomposers belong?
7. Expand PPLO.
8. Name the five kingdoms in which the organisms are grouped together?
9. Which organisms are known as “Jokers of plant kingdom”
10. In which class of fungi sexual reproduction does not occur?
11. Who is known as “Father of classification”?
12. Name the fungus from which LSD drug is obtained?
13. It is advised to grow one pulse crop in between two main crops in the same field why?
14. Define experimental taxonomy?
15. Name the fungus causes the rust of wheat?
16. What are distributed organisms which have not been included under any kingdom?
17. Define Gemma.
18. Which group of plants is regarded a first terrestrial plant? Why?
19. The gametes and spores of phaeophyceae have a distinct morphology. Give its name.
20. Which substance has, structural similarity to floridean starch?
21. Name the organisms which exhibit heterospory and seed habit.
22. Name seedless vascular plants.
23. Which pigment is responsible for red colour of red algae?
24. What is a cone?
25. Name a unicellular algae.
26. Name any red algae which is used as vegetables?
27. Name the algae which is used for fodder to poultry birds.
28. Name the vascular plants which produces only spores but no flowers or seeds? What are rhizoids?
29. What are the two main classes of bryophytes?
30. Name the three fields of systematics.
31. Give the two name system of organisms?
32. Write the correct order of sequence of taxonomical categories?
33. Give the unit of classification?
34. Who gave binomial name of classification?
35. What is meant by identification of a species?
36. Name the highest categories of classification?
37. What are the three codes of nomenclatures?
38. What do you mean by “chemotaxonomy”?
39. Define species.

2 MARKS QUESTIONS

1. What are the advantages of giving scientific names of the organisms?
2. Give the role of botanical gardens?
3. Differentiate between species & taxon
4. Why are classification systems changing every now & then?
5. Differentiate between taxon & category?
6. Why are living organisms classified?
7. What is Taxonomic key? How is it helpful in the identification & classification of an organism?
8. Differentiate between taxonomy & systematic.
9. Describe the role of museum in studying systematic?
10. What is the basis of modern taxonomical studies?
11. How are bacteria classified on the basis of their shapes?
12. What is the mode of reproduction in bacteria?
13. Why are red tides caused and why are they harmful?
14. Viruses and viroids differ in structure and the diseases they cause. How?
15. Which class of Kingdom fungi has both unicellular as well as multicellular members?
16. When a fungus is called coprophilous?
17. What is the basis of modern classification?
18. Give one example of a fungus as a source of antibiotics?
19. How are viroids different from viruses?
20. Explain phylogenetic system of classification?
21. What is the basis of Whittaker's system of classification?
22. Why are some fungi grouped under "fungi imperfect"?
23. Explain "Numerical taxonomy".
24. What are the demerits of five kingdom classification?
25. Write the importance of classification of organism.
26. Compare salient features of Monera & Protista.
27. Sphagnum has lot of economic importance. Justify.
28. Gymnosperms can show polyembryony. Why do you think so?
29. How is leafy stage formed in mosses is different from protonema?
30. What features led to dominance of vascular plants?
31. Give some important features of dicots?
32. List four classes of plants belonging to fern group.
33. Write two important characteristics of gymnosperms?
34. Tabulate differences between Gymnosperm & pteridophytes.
35. What is the difference between syngamy & triple fusion?
36. What is the role of capsule in life history of moss?
37. What are gymnosperms? What are its four classes?
38. How would you distinguish between monocots & dicots?
39. Mention some of the uses of ferns?
40. How do fungi differs from algae ?

3 MARKS QUESTIONS

1. Explain in brief the structure of prothallus of fern?
2. Point out differences in sexual reproduction of moss & fern?
3. "Algae & Bryophytes are different from each other." Point out the main differences between them?
4. Describe the main features of pteridophytes?
5. What are the identifying features of Angiosperms flowering plants.
6. Describe the similarities in sexual reproduction of moss & fern.
7. Describe the important characters of gymnosperms?
8. What are ferns? Describe its salient features.
9. Differentiate between Red, Brown & Green algae.
10. List common modes of reproduction in Algae?
11. Who gave live Kingdom classification? What was the criteria used for such classification?
12. Explain sexual reproduction in bacteria?
13. Distinguish between bacteria & cyanobacteria?
14. Describe the salient features of protists?
15. What are the different groups of fungi?
16. Name the guidelines for naming of organisms?
17. State any five objectives of classification.
18. How would you set up a herbarium?

5 MARKS QUESTIONS

1. What are taxonomic aids? Mention some of the taxonomic aids for identification.
2. Discuss different systems of classification briefly.
3. Give a comparative account of classes of kingdom fungi on the basis of mode of nutrition & mode of reproduction.
4. Discuss the salient features of viruses with the help of diagram?
5. Explain briefly the alternation of generation in plants with diagram
6. Describe the common mode of reproduction in Angiosperms.
7. Classify plant kingdom.