PAPER CODE: 3135

B.Sc. Semester – I Examination
JULY-SEP–– 2021
Elective Subject - Biotechnology
Plant Biodiversity

કુલ સમય :– ૩૦ મીનીટ કુલ પ્રશ્નો : ૨૫ વિદ્યાર્થીએ ટીક કરવાના પ્રશ્નો : ૧૮

નોંધ : વિદ્યાર્થીએ માત્ર ૧૮ પ્રશ્નો જ ટીક કરવાના રહેશે. જો વધારે ટીક કરેલ હશે તો પ્રથમ ૧૮ પ્રશ્નો જ ગણતરીમાં લેવામાં આવશે.

1. Which of the following organisms can be found in extreme saline conditions?
(a) Eubacteria (b) Archaebacteria (c) Cyanobacteria (d) Mycobacteria

2. Linnaeus used which kingdom of classification?
(a) Artificial system (b) Natural system (c) Phylogenetic system (d) Asexual system

3. In which of the following kingdom are Archaea and Nitrogen-fixing organisms classified?
(a) Animalia (b) Plantae (c) Monera (d) Fungi

4. Bentham and Hooker gave which system of classification?
(a) Numerical (b) Phylogenetic (c) Artificial (d) Natural

5. What is the main basis of classification in the five-kingdom system?
(a) Structure of the nucleus (b) Structure of cell wall (c) Asexual Reproduction (d) Mode of Nutrition

6. Which of the following statements is false about the fungi?
(a) They are eukaryotes (b) They are heterotrophs
(c) They possess a purely cellulosic cell wall (d) None of the above

7. Blue-green algae belong to which group?
(a) Protista (b) Prokaryotes (c) Fungi (d) Bryophytes

8. ICBN stands for _____.
(a) International Code of Botanical Nomenclature (b) Indian Code of Botanical Nomenclature
(c) Indian Congress of Biological names (d) Indian Congress of Botanical Nomenclature

9. Which plant can survive both on land and in the water?
(a) Tracheophyta (b) Pteridophyta (c) Thallophyta (d) Bryophyta

10. A plant that has seeds but no flowers and fruits?
(a) Bryophytes (b) Gymnosperms (c) Mosses (d) Pteridophytes

11. Most primitive vascular plants?
(a) Mosses (b) Cycads (c) Kelps (d) Ferns

12. Plants that possess spores and embryo but lack vascular tissues and seeds?
(a) Rhodophyta (b) Bryophyta (c) Pteridophyta (d) Phaeophyta

13. Which one is not an exception in angiosperms?
(a) Double fertilization (b) Secondary growth (c) Presence of vessels (d) Autotrophic nutrition

14. Pteridophytes differ from mosses in
(a) Independent gametophyte (b) Dependent gametophyte
(c) Flagellate antherozoids (d) Independent and dominant sporophyte

15. Angiosperms are the dominant flora because of
(a) Domestication by man (b) Power of adapting in diverse habitats
(c) Self-pollination property (d) Property of producing a large number of seeds

16. Plants reproducing by spores are grouped under
(a) Bryophytes (b) Sporophytes (c) Cryptogams (d) Thallophytes

17. Plants having vascular tissue without seeds
(a) Angiosperm (b) Pteridophytes (c) Bryophytes (d) Gymnosperms

18. The plant group that posses largest ovule, largest gametes, and largest tree
(a) Angiosperms (b) Gymnosperms (c) Pteridophytes (d) Bryophytes

19. Zygotic meiosis is the characteristic of
(a) Fucus (b) Funaria (c) Marchantia (d) Chlamydomonas

20. Pick the mismatched pair
(a) Cycas – Dioecious (b) Equisetum – Homosporous (c) Salvinia – Heterosporous (d) Pinus – Dioecious

21. A colonial alga is
(a) Volvox (b) Chlorella (c) Ulothrix (d) Spirogyra

22. Double fertilization is the characteristic of
(a) Algae (b) Gymnosperms (c) Fungi (d) Angiosperms

23. Conifers can tolerate extreme environments because of
(a) Presence of vessels (b) Thick cuticle (c) Superficial stomata (d) Broad hardy leaves

24. First plants to inhabit the land
(a) Angiosperms (b) Bryophytes (c) Gymnosperms (d) Pteridophytes

25. Agar is commercially obtained from
(a) Blue-green algae (b) Red algae (c) Brown algae (d) Green algae