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Shivaji University , Kolhapur

B.Sc. (Part- II (Semester –III) Examination, October-2020
BOTANY (PAPER-V) Subject. Code: 63604
(Algae, Fungi, Bryophytes & Industrial Applications)

Signature of Student Signature of Jr. Supervisor

Seat No.- PRN:

Day and Date: October, 2020 **Total Marks: 50**
Time:
Instructions: A Attempt any 25 questions
B Each question carries 2 marks.
C First 25 solved questions will be considered for the evaluation.
D Write the correct alternative answer in the box

1. *Sargasum* belongs to _____ group.
a) Green algae b) Red algae
c) Brown algae d)Yellow green algae

2.Many species of _____ are epizoic
a) *Nostoc* b) *Chara*
c) *Cladophora* d) *Chlorella*

3. _____ is the having Cap cell
a) *Oedogonium* b) *Chara*
c) *Spirogyra* d) *Volvox*

4. The sexual reproduction in *Oedogonium* is _____
a) Isogamous b) Anisogamous
c) Oogamous d) Special

5. The Study of algae is Called _____
a) Mycology b) Cytology
c) Phycology d) Bryology

6. Male and Female Conceptacle are seen in _____
a) *Ectocarpous* b) *Sargassum*

c) *Fucus* d) *Polysiphonia*

7. Feamle Conceptacle in the *sargassum* shows_____
a) Antheridia b) Oogonia
c) Aplanospores d) Antheridia & Oogonia

8.Kombu is prepared from_____ sea weed
a) *Sargassum* b) *Ulva*
c) *Laminaria* d) *Fucus*

9.The organism which lacks chlorophyll
a) Algae b) Bryophytes
c) Lichens d) Fungi

10. The Cell wall in the Fungi is made up of _____
a) Chitin b) Mucilage
c) Resin d) wax

11.The antibiotic penicillium is extracted from_____
a) *Mucor* b) *Aspergillus*
c) *Pzizza* d) *Penicillium*

12.The Fruiting body in the *Penicillium* is _____
a) Apothecium b) Perithecium
c) Ascostroma d) Cleistothecium

13.The Parasitic rust fungi belongs to _____
a) Phycomycetes b) Ascomycetes
c) Basidiomycetes d) Deteuromycetes

14.True sex organ are absent in_____
a) Phycomycetes b) Ascomycetes
c) Basidiomycetes d) Deteuromycetes

15._____is a fruticose lichen
a) Parmelia b) Algae c) Bacteria d) Pteridophyte

16. Lichens are formed by symbiotic association between a fungus and _____
a) Bryophyte b) alga
c) Bacteria d) Pteriodophyte

17.G M Smith classified bryophytes into ____ Classes
a) 2 b) 3
d) 4 d) 5

18.The production of _____is one of the methods of asexual reproduction
a) Gemmae b) Adventitious roots
c) Soredia d) Antheridium

19.---------- member are called hornworts
a) Hepaticopsida b) Bryopsida
c) Pteropsida d) Anthocerotopsida

20. .*Anthoceros* thallus shows distinct colonies of _____
a) *Nostoc* b) *Volvox*
c) *Chlorella* d) *Oscillatoria*

21._____ is edible mushroom species.
a) *Pleurotus sajor-caju* b) *Amanita Muscaria*
c) *Russula spp*. d) *Boletus spp.*

22._____ is poisonous mushroom can cause death.
a) *Pleurotus sajor-caju* b) *Amanita Muscaria*
c) *Agaricus bisporus* d) *Morchella spp.*

23. The propagating material used by mushroom grower is called _____
a) Compost b) fertilizer c) Spawn d) crop

24. _____ species of mushroom yield yellow dye
a) *Agaricus bisporus* b) *Amanita Muscaria*
c) *Fomes ignarius* d) *Polyporus sulphurus*

25. Mushrooms are rich in _____
a) Protein b) Lipid
c) Carbohydrate d) Minerals

26.National Biofertilizer Development Center is located at _____
a) Meerut b) Kanpur
c) Ghaziabad d) Mumbai

27.Nitrogen fixing BGA bears_____
a) Homocysts b) Heterocysts
c) Statocysts d) Plastocysts

28._____ species is symbiotic nitrogen fixer.
a) Rhizobium b) Alternaria
c) TMV d) Bacillus

29. *Azolla* also remove _____ from polluted water
a) Heavy pesticides b) Heavy metals
c) Heavy phosphorus d) Heavy carbon

30.Nitrogen fixing BGA bears_____
a) Homocysts b) Heterocysts
c) Statocysts d) Plastocysts
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