

Shivaji University , Kolhapur

B.Sc. (Part- II (Semester –III) Examination, October-2020

BOTANY (PAPER-V) Subject. Code: 63604

(Algae, Fungi, Bryophytes & Industrial Applications)

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
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1. *Sargassum* 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) *Pizza*
- 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) Pteridophyte

17. G M Smith classified bryophytes into _____ Classes

- a) 2 b) 3
- c) 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

27. Nitrogen fixing BGA bears

- a) Homocysts b) Heterocysts
c) Statocysts d) Plastocysts

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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

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