PRN. No.		
Seat No.	Student Signature	Supervisor's Sign.

SHIVAJI UNIVERSITY
B. Sc. Part-I (Sem-I)
Examination's March/April (December) 2020

Subject : Botany Paper-I (Old) (Diversity in Non Vascular Plant)

Subject Code : 59677

Day & Date : Tuesday &15/12/2020

Time : 4:00 pm to 5:00 pm

Marks Obtained	
Max. Marks	50
Examiner's Signature	

Instructions: 1. Attempt any 25 questions out of 30.
2. Each question carries 2 marks.
3. Write code (A, B, C or D) of correct answer in the box provided after each question.

Q.No.1. _____of the following organism considered under lower plants.
A) Angiosperms B) Gymosperms
C) Cyanophycean algae D) Pteridophytes

Q.No.2. In coralloid root of cycas, the alga from symbiotic association is___
A) *Volvox* B) *Nostoc*
C) *Ulothrix* D) *Phyllosiphon*

Q.No.3.Fungi growing on animal dung are called_____ fungi
A) saprophytic B) coprophilous
C) symbiotic D) aquatic

Q.No.4._____is a aquatic (floating) Bryophyte.
A) *Porella* B) *Anthoceros*
C) *Funaria* D) *Riccia fluitans*

Q.No.5._____is unicellular and flagellated , motile alga.
A) *Chlamydomonas* B) *Chlorella*
C) *Chara* D) *Euglena*

Q.No.6.. In Ascomyecetes, fruiting body is a flask shaped structure with opening is called __
A) Perithecium B) Apothecium
C) Cleistothecium D) Cleistothecium & Apothecium

Q.No.7._____ is foliose lichen.
A) *Usnea* B) *Parmelia*
C) *Cladonia* D) *Ramalina*

Q.No.8. The symbiotic bacterium in root nodules is_____

A) *Xanthomonas* B) *Pseudomonas*
C) *Rhizobium* D) *Chlorobium*

Q.No.9.._____alga show haplontic life cycle.

A) *Sargassum* B) *Fucus*
C) *Oedogonium* D) *Ectocarpus*

Q.No.10._____ marine alga is rich source in Vitamins (B& C) ,Protein & carbohydrates.

A) *Porphyra* B) *Laminaria*
C) *Chondrus* D) *Ulva*

Q.No.11. *Spirogyra* belongs to which of the following classes.

A) Chlorophyceae B) Phaeophyceae
C) Cyanophyceae D) Rhodophyceae

Q.No.12**.** Which of the following is also known as pond silk.

A) *Ulothrix* B) *Spirogyra*
C) *Nostoc* D) *Anabaena*

Q.No.13. The ladder-like structure formed in *Spirogyra* is the result of____

A) Asexual reproduction B) Direct conjugation
C) Lateral conjugation D) Scalariform conjugation

Q.No.14. *Nostoc* belongs to which of the following classes.

A) Chlorophyceae B) Phaeophyceae
C) Cyanophyceae D) Rhodophyceae

Q.No.15. _____algae is used as a biofertilizers.

A) *Oedogonium* B) *Spirogyra*
C) *Nostoc* D) *Polysiphonia*

Q.No.16. Majority of fungi shows_____type of nutrition.

A) autotrophic B) heterotropic
C) parasitic D) semi-parasitic

Q.No.17. Cell containing many nuclei is called_____

A) coenocytic B) hyphae
C) filament D) mycelium

Q.No.18. _____ sub division of fungi do not show sexual reproduction.

A) Ascomycotina B) Deuteromycotina
C) Zygmycotina D) Basidiomycotina

Q.No.19_____shows presence of coenocytic mycelium

A) *Mucor* B) *Puccinia*
C) *Agaricus* D) *Penicillium*

Q.No.20. _____ is commonly known as black moulds.

A) *Penicillium* B) *Puccinia*
C) *Mucor* D) *Agaricus*

Q.No.21. A well known pigment (reddish violet) called neocercosporin is obtained from_____

A) *Trichoderma viride* B) *Cercospora kikuchii*
C) *Aspergillus niger* D) *Penicillium citrinum*

Q.No.22.Cercospora spp. belongs to sub division_____

A) Basidiomycotina B) Deuteromycotina
C) Mastigomycotina D) Zygomycotina

Q.No.23. *Cercospora arachidicola* cause tikka disease on _____

A) groundnut B) rice
C) coffee D) brinjal

Q.No.24. which of the following is the amphibian plant kingdom

A) Pteridophyte B) Bryophyte
C) Angiosperm D) Gymnosperm

Q.No.25. The outline of bryophyte classification as per modifications in the terms as per ICBN rules is given by_____

A) G. M Smith B) G C Ainsworth
C) Parihar D) Mukharji

Q.No.26. Venter is the part of_____

A) Archegonium B) Sporogonium
C) Sporangium D) Antheridium

Q.No.27. Male reproductive part of bryophytes is_____

A) antheridium B) oogonium
C) archegonium D) ascogonium

Q.No.28._____membrer are called music.

A) Hepaticopsida B) Bryopsida
C) Anthocerotopsida D) Psilopsida

Q.No.29. Anatomically , thallus of *Riccia* is difffrentiated into _____distict zone

A) one B) two
C) three D) four

Q.No.30. The sporophyte of *Riccia* contain _____

A) only foot B) only seta
C) only capsule D) foot, seta & capsule