

P P SAVANI UNIVERSITY

Fifth Semester of B.Sc. Examination

Nov.-Dec.-2020

SSMB3010-Mycology I

31.12.2020, Thursday

Time: 10:00 a.m. to 12:30 p.m.

Maximum Marks: 60

Section-A (Total Marks - 20)

Q.1 Objectives (20MCQ Compulsory-1 mark each)

(20)

Which season is best for the growth of fungi?

1

- A Rainy
- B Summer
- C Winter
- D All

_____ is saprophytic in nutrition

2

- A Bacteria
- B Fungi
- C Virus
- D Protozoa

_____ is a laboratory weed.

3

- A Aspergillus
- B Penicillium
- C Fusarium
- D Saccharomyces

_____ are classified based on hyphae and mycellium.

4

- A Virus
- B Fungi
- C Protozoa
- D Bacteria

The group of fungi in which sexual reproduction is lacking or unknown are classified in

5

- A Ascomycetes
- B Basidiomycetes
- C Deuteromycetes
- D Zygomycetes

The thallus when converted into reproductive structure it is known as _____.

6

- A Eucarpic
- B Holocarpic
- C Hellocarpic
- D Hetrocarpic

All fungi can be called as _____.

7

- A Saprophytes
- B Autotrophs
- C Heterotrophs
- D Parasites

Organisms which are indicators of SO₂ Pollution are _____.

8

- A Mosses
- B Lichens
- C Mushrooms
- D Puffballs

_____ belongs to Basidiomycetes.

9

- A Puffballs and Claviceps
- B Peziza
- C Morchella
- D Birds nest fungi and Puffballs

- 10 Optimum temperature for growth of Mucor is ____.
- A Above 25 °C
 - B 5° c
 - C 10 °c
 - D 50 °c
- 11 Perfect stage of fungus indicates
- A It reproduces asexually
 - B It is perfectly healthy
 - C It is able to form perfect sexual spores
 - D None
- 12 ____ is known as Blue Mould
- A Penicillium
 - B Puccinia
 - C Peziza
 - D Eryphe
- 13 Slime molds have bright colors like
- A Brown
 - B Yellow
 - C Green
 - D All
- 14 Fungi without mycelium is
- A Saccharomyces
 - B Neurospora
 - C Alternaria
 - D Aspergillus
- 15 Storage of food of fungi is
- A Glucose
 - B Glycogen
 - C Carbohydrate
 - D Starch
- 16 Columella is a specialized structure found in the sporangium of
- A Spirogyra
 - B Ulthothrix
 - C Rhizopus
 - D None
- 17 Red bread mould of Ascomycota is
- A Neurospora
 - B Rhizopus
 - C Mucor
 - D Penicillium
- 18 ____ is major plant pathogen
- A Alternaria
 - B Yeast
 - C Mucor
 - D Algae
- 19 ____ shows symptoms of blight in plants and leaves
- A Alternaria
 - B Aspergillus
 - C Penicillium
 - D Spirogyra
- 20 Gametes develop in specially designed cells called ____.
- A Suspensor cell
 - B Oospores
 - C Gametangia

D Anthredia

Section-B (Total Marks - 40)

Q.1 Short Notes (attempt all four compulsory- 3 marks each)

(12)

- A What is the habitat and nutrition mode of fungi?
- B Write a note on Peziza
- C What is budding? Give importance of Saccharomyces
- D What are the characteristics of Oomycetes?

Q.2 Explain in detail (attempt any four-7 marks each)

(28)

- A Explain Fungal Life Cycle in detail with well labeled diagram
- B In detail explain Clamp Connections.
- C Lichens
- D Mycorrhiza
- E What are Slime Moulds? Explain life cycle of Slime moulds

