



BIOLOGY

BOOKS - NEET PREVIOUS YEAR (YEARWISE + CHAPTERWISE)

KINGDOM-FUNGI

Exercise

1. Which of the following would appear as the pioneer organisms on bare rocks?

A. Liverworts

B. Mosses

C. Green algae

D. Lichens

Answer: D



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2. One of the major components of cell wall of most fungi is

A. peptidoglycan

B. cellulose

C. hemicellulose

D. chitin

Answer: D



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3. Which one of the following is wrong for fungi

A. They are eukaryotic

B. All fungi possess a purely cellulosic cell wall

C. They are heterotrophic

D. They are both unicellular and multicellular

Answer: B



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4. Choose the wrong statements

A. *Penicillium* is multicellular and produces antibiotics

B. *Neurospora* is used in the study of biochemical genetics

C. Morels and truffles are poisonous mushrooms

D. Yeast is unicellular and useful in fermentation

Answer: C



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5. The imperfect fungi which are decomposes of litter and help in mineral cycling belong to

A. Deuteromycetes

B. Basidiomycetes

C. Phycomycetes

D. Ascomyoetes

Answer: A



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6. The highest number of species in the world is represented by

A. fungi

B. mosses

C. algae

D. lichens

Answer: A



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7. Which one of the following has haplontic life cycle

A. Funaria

B. Polytichum

C. Ustilago

D. Wheat

Answer: C



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8. Which one is the wrong pairing for the disease and its causal organism

A. Late blight of potato - *Alternaria solani*

B. Black rust of wheat - *Puccinia graminis*

C. Loose smut of wheat - *Ustilago nuda*

D. Root-knot of vegetables - *Meloidogyne*
sp.

Answer: A



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9. *Trichoderma harizianum* has proved to be a useful microorganism for

A. bioremediation of contaminated soils

B. reclamation of wastelands

C. gene transfer in higher plants

D. biological control of soil-borne plant pathogens

Answer: D



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10. Cellulose is the major component of cell walls of

A. Pythium

B. Xanthomonas

C. Pseudomonas

D. Saccharomyces

Answer: A



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11. Which of the following is a slime mould

A. Rhizopus

B. Physarum

C. Thiobacillus

D. Anabaena

Answer: B



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12. Ergot of rye is caused by a species of

A. Phytophthora

B. Uncinula

C. Ustilago

D. Claviceps

Answer: D



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13. Which pair of the following belongs to basidiomycetes

A. Birds nest fungi and puff balls

B. Puff balls and Claviceps

C. Peziza and stink horns

D. Morchella and mushrooms

Answer: A



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14. The thalloid body of a slime mould (Myxomycetes) is known as

A. Plasmodium

B. fruiting body

C. mycelium

D. protonema

Answer: A



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15. Which of the following environmental conditions are essential for optimum growth of Mucor on a piece of bread? (i) Temperature of about 25°C (ii) Temperature of about 5°C (iii) Relative humidity of about 5% (iv) Relative humidity of about 95% (v) A shady place (vi) A

brightly illuminated place Choose the answer
from the following options

- A. (i), (iv) and (v) only
- B. (ii), (iv) and (v) only
- C. (ii), (iii) and (vi) only
- D. (i), (iii) and (v) only

Answer: A



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16. There exists a close association between the algae and the fungus within a lichen. The fungus

A. provides protection, anchorage and absorption for the alga

B. provides food for the alga

C. fixes the atmospheric nitrogen for the alga

D. release oxygen for the alga

Answer: A



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17. Lichens are well known combination of an alga and a fungus where fungus has

- A. a saprophytic relationship with the alga
- B. an epiphytic relationship with the alga
- C. a parasitic relationship with the alga
- D. a symbiotic relationship with the alga

Answer: D



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18. In manufacture of bread, it becomes porous due to release of CO_2 by the action of

A. yeast

B. bacteria

C. virus

D. protozoans

Answer: A



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19. Which fungal disease spreads by seed and flowers?

- A. Loose smut of wheat
- B. Corn stunt
- C. Covered smut of barley
- D. Soft rot of potato

Answer: A



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20. Plant decomposers are

- A. Monera and Fungi
- B. Fungi and plants
- C. Protista and Animalia
- D. Animalia and Monera

Answer: A



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21. Adhesive pad of fungi penetrates the host with the help of

- A. mechanical pressure and enzymes
- B. hooks and suckers
- C. softening by enzymes
- D. only by mechanical pressure

Answer: D



22. In fungi stored food material is

A. glycogen

B. starch

C. sucrose

D. glucose

Answer: A



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23. Black rust of wheat is caused by

A. Puccinia

B. Mucor

C. Aspergillus

D. Rhizopus

Answer: A



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24. Which of the following is the use of lichens in case of pollution?

- A. Lichens are not related with pollution
- B. They act as bioindicators of pollution
- C. They treat the polluted water
- D. They promote pollution

Answer: B



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25. Yeast (*Saccharomyces cerevisiae*) is used in the industrial production of

A. citric acid

B. tetracycline

C. ethanol

D. butanol

Answer: C



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26. Puccinia forms

- A. uredia and aecia on wheat leaves
- B. uredia and telia on wheat leaves
- C. uredia and aecia on barberry leaves
- D. uredia and pycnia on barberry leaves

Answer: B



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27. Which of the microorganisms is used for production of citric acid in industries ?

A. *Penicillium*

B. *Aspergillus niger*

C. *Rhizopus nigricans*

D. *Lactobacillus bulgaricus*

Answer: B



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28. Most of the lichens consist of

- A. blue-green algae and Basidiomycetes
- B. blue-green algae and Ascomycetes
- C. red algae and Ascomycetes
- D. brown algae and Phycomycetes

Answer: B



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29. Which one of the following is not true about lichens?

A. Their body is composed of both algal and fungal cells

B. Some form food for reindeers in Arctic regions

C. Some species can be used as pollution indicators

D. These grow very fast at the rate of about
2 cm per year

Answer: D



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30. Which of the following is not correctly
matched

A. Root knot disease - Meloidogyne
javanica

B. Smut of bajra - *Tolysporium penicillariae*

C. Covered smut of barley - *Ustilago nuda*

D. Late blight of potato - *Phytophthora*
infestans

Answer: C



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31. The chemical compounds produced by the host plants to protect themselves against fungal infection is

A. Phytotoxin

B. pathogen

C. phytoalexins

D. hormone

Answer: C



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32. White rust disease is caused by

A. Claviceps

B. Alternaria

C. Phytophthora

D. Albugo candida

Answer: D



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33. Ustilago caused plant diseases are called smuts because

A. they parasitise cereals

B. Mycelium is black

C. they develop sooty masses of spores

D. affected parts become completely black

Answer: C



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34. Decomposers are organisms that

A. Elaborate chemical substances, causing
death of tissues

B. operate in living body and simplifying

organic substances of cells step by step

C. attack and kill plants as well as animals

D. operate in relay terms, simplifying step

by step the organic constituents of dead

body

Answer: D



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35. Mycorrhiza represents

A. antagonism

B. endemism

C. symbiosis

D. parasitism

Answer: C



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36. Absorptive heterotrophic nutrition is exhibited by

A. algae

B. fungi

C. bryophytes

D. pteridophytes

Answer: B



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37. Lichens indicate SO_2 pollution because they

A. show association between algae and fungi

B. grow faster than other

C. are sensitive to SO_2

D. flourish in SO_2 rich environment

Answer: C



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