



BIOLOGY

NEET & AIIMS

MOCK TEST 7

Example

1. Members of myxomycetes

- A. Shows linkage with plants, animals and fungi
- B. Possesses photosynthetic pigments
- C. Produce spores with cellulosic wall
- D. Both (1) and (3)

Answer: D



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2. Match the following.

a. Mixotrophic protist (Column I) - (i) Paramecium (Column II)

b. Plasmodial slime mould (Column I) - (ii) Polysphondylium (Column II)

c. Holozoic protist (Column I) - (iii) Euglena (Column II)

d. Saprobic protist (Column I) - (iv) Physarum (Column II)

e. Communal slime mould (Column I) - (v) Rhabdomonas (Column II)

A. a(ii), b(iv), c(i), e(v), d(iii)

B. a(i), b(ii), c(iii), d(iv), e(v)

C. a(iii), b(iv), c(i), d(v), e(ii)

D. a(i), b(iii), c(ii), d(iv), e(v)

Answer: C



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3. Match the following. a. Pseudopodia

(Locomotary structure) - (i)

Paramecium (Protozoan) b. Cilia (Locomotary

structure) - (ii) Trypanosoma (Protozoan) c.

Flagella (Locomotary structure) - (iii)

Plasmodium (Protozoan) d. Lacks locomotary structure (Locomotary structure) - (iv)

Entamoeba histolytica(Protozoan)

A. a(iii), b(iv), c(ii), d(i)

B. a(iv), b(i), c(ii), d(iii)

C. a(iii), b(i), c(ii), d(iv)

D. a(iv), b(ii), c(i), d(iii)

Answer: B



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4. Read the following statements w.r.t. communal slime moulds. (a) Regarded as advanced protists and primitive fungi. (b) Have phagotrophic mode of nutrition and polycentric plasmodium. (c) Sexual reproduction is anisogamous. (d) Biflagellate swarm cells of non-motile myxamoebae act as gametes. (e) Fused protoplasts of myxamoebae secrete thick wall around to form macrocyst. Select the correct option.

A. (b) & (e) only

B. (a), (b), (c) , (d) & (e)

C. (a), (c) & (e)

D. (b), (c), (d) & (e)

Answer: C



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5. Apical end of the cell of Euglenabears an invagination with three parts ___(a) , ___(b) , ___(c).

A. Cytostome (a) - Cytopharynx (b) -

Reservoir (c)

B. Mouth (a) - Gullet (b) - Cytopharynx (c)

C. Stigma (a) - Cytostome (b) - Gullet (c)

D. Contractile (a) - Gullet (b) - Reservoir (c)

Answer: A



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6. Which of the following belongs to the Pyrrophyta?

A. Plasmodial slime moulds

B. Sporozoans

C. Dinoflagellates

D. Protozoans

Answer: C



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7. Which of the following is endoparasitic protozoan?

A. Paramecium

B. Euglena

C. Amoeba

D. Plasmodium

Answer: D



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8. Match the following column. a. Corticolous (Column I) - (i) Fungi growing on cow dung (Column II) b. Xylophilous (Column I) - (ii) Fungi growing on wood (Column II) c. Epicyclic (Column I) - (iii) Fungi growing on hair (Column II) d. Keratinophilous (Column I) - (iv) Fungi growing on burnt wood (Column II) e. Coprophilous (Column I) - (v) Fungi growing on bark (Column II)

A. a(v), b(ii), c(iv), d(iii), e(i)

B. a(i), b(ii), c(iii), d(iv), e(v)

C. a(v), b(iv), c(iii), d(ii), e(i)

D. a(v), b(iv), c(ii), d(iii), e(i)

Answer: D



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9. Select the odd one w.r.t. basis of classification of kingdom fungi.

A. Formation of fruiting bodies

B. Mode of spore formation

C. Composition of cell wall

D. Morphology of the mycelium

Answer: C



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10. Read the following statements w.r.t. fungi and select the incorrect option. (a) Aseptate and multinucleate fungal hyphae are referred as coenocytic. (b) In oomycetes members, cellulosic cell wall is present. (c) Fungal

cellulose is made up of acetylglucosamine. (d) Septum in members of class basidiomycetes have no pore. (e) Fungal cells have unicisternal golgi bodies.

A. (b), (c) & (e)

B. (a), (c), (d) &(e)

C. (d) only

D. (b), (d) & (e)

Answer: C



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11. Karyochorisis stands for

A. Mitosis with internuclear spindle formation

B. Mitosis with intranuclear spindle formation

C. Mitosis without spindle formation

D. Meiosis with internuclear spindle formation

Answer: B



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12. Select the odd one w.r.t. vegetative reproduction in fungi.

A. Gamentangial contact

B. Fragmentation

C. Fission

D. Budding

Answer: A



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13. Endogenously produced asexual spore in *Pythium* is

- A. Non-motile and diploid
- B. Planospore
- C. Thick walled and haploid
- D. Meiospore

Answer: B



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14. Select the correct option w.r.t. means of asexual reproduction in fungi?

A. Chlamydospore

B. Zoospore

C. Ascospores

D. Both (1) and (2)

Answer: D



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15. Select the odd one w.r.t. sexual spore in fungi?

A. Oospores

B. Oidia

C. Basidiospores

D. Ascospores

Answer: B



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16. Which of the following are thick walled resting spores formed under unfavourable condition?

- A. Sporangiospore
- B. Conidia
- C. Chlamyospores
- D. Oidia

Answer: C



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17. Budding condition of which of the following spores is referred as "Torula Stage"?

A. Oospores

B. Chlamydospores

C. Oidia

D. Conidia

Answer: C



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18. Dikaryophase is observed in

A. Aspergillus

B. Rhizopus

C. Agaricus

D. Both (1) and (3)

Answer: D



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19. Match the following.

a. Gametangial contact (Column I) - (i) Agaricus (Column II)

b. Planogametic copulation (Column I) - (ii) Mucor (Column II)

c. Somatogamy (Column I) - (iii) Puccinia (Column II)

d. Gametangial copulation (Column I) - (iv) Allomyces (Column II)

e. Spermatization (Column I) - (v) Pythium (Column II)

A. a(v), b(i), c(iv), d(iii), e(ii)

B. a(v), b(iv), c(i), d(ii), e(iii)

C. a(i), b(iv), c(iii), d(ii), e(v)

D. a(iii), b(ii), c(iv), d(v), e(i)

Answer: B



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20. How many spores given in the box are mytospore and meiospore respectively?

Conidia, Zoospore, Sporangiospore,

Ascospores, Basidiospores, Oidia

A. 2,4

B. 5,1

C. 3,3

D. 4,2

Answer: D



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21. Which of the following fungi shows direct fusion of somatic hyphal cells to form dikaryophase?

A. Mucor

B. Albugo

C. Agaricus

D. Allomyces

Answer: C



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22. Choose the incorrect option w.r.t. features of fungi

A. Mostly terrestrial

B. Reserve food is glycogen

C. Prefer to grow in warm and humid
places

D. Are chemoautotroph

Answer: D



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23. Select the incorrect statement w.r.t. oomycetes.

A. Sexual reproduction is by planogametic fusion of gametangial contact

B. Multinucleate septate coenocytic mycelium is present

C. Hyphal wall contains cellulose and other glycans

D. Aquatic members form zoospore for asexual reproduction

Answer: B



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24. The causative organism of downy mildew in cereals is

A. *Pythium debaryanum*

B. *Peronospora parasitica*

C. *Sclerospora glaminicola*

D. *Saprolegnia*

Answer: C



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25. Select the correct statement for zygomycetes.

A. Sexual reproduction occurs through gametangial copulation and

spermatization

B. Form non-motile mitospores called aplanospores present inside the sporangia

C. Azygospore is site of meiosis and gives rise to germ sporangium

D. Failure of fusion of gametangia results in the formation of parthenogenetically produces zoospore

Answer: B



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26. Which of the following fungi is called dung mould and bread mould, respectively?

A. *Mucor mucedo* and *Absidia corymbifera*

B. *Rhizopus stolonifer* and *Absidia corymbifera*

C. *Mucor ramannianus* and *Rhizopus stolonifer*

D. *Mucor mucedo* and *Rhizopus stolonifer*

Answer: D



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27. Plasmogamy occurs by means of ___(a) and ___(b) in Ascobolus and Peziza, respectively.

A. (a) Spermatization - (b) Autogamy

B. (a) Spermatization - (b) Somatogamy

C. (a) Gametangial contact - (b)

Conjugation

D. (a) Somatogamy - (b) Spermatization

Answer: B



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28. Select the mismatched pair.

A. Apothecium - Peziza

B. Ascostroma - Pleospora

C. Perithecium - Claviceps

D. Cleistothecium - Neurospora

Answer: D



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29. Select the correct option w.r.t. causative organism of ergot of bajra and powdery mildew, respectively.

A. *Claviceps purpurea* and *Erysiphe graminicola*

B. *Penicillium roqueforti* and *Fusarium moniliforme*

C. *Claviceps microcephala* and *Erysiphe graminicola*

D. *Gibberella fujikuroi* and *Fusarium moniliforme*

Answer: C



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30. Edible fruiting bodies are produced by

A. *Morchella*

B. Tuber

C. Claviceps

D. Both (1) and (2)

Answer: D



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31. Choose odd one w.r.t. spore produced in the life cycle of Penicilium

A. Meiospore as ascospore

B. Exogenously produced conidia

C. Endogenous sexual spore

D. Black coloured telutospores

Answer: D



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32. What is the site of karyogamy and meiosis in Ascomycetes?

A. Ascus

B. Basidium

C. Zygospor

D. Oospore

Answer: A



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