

MGMs JUNIOR COLLEGE

Fungi (Multicellular Decomposers)

60 min

XII BIOLOGY ASSIGNMENT

Marks : 30

- 1) Black rust of wheat is caused by (Mains) 2010]
A) Puccinia graminis B) Ustilago
C) Pythium D) None of these
- 2) Which of the following is an edible Fungi [BHU 2005; CPMT 2009]
A) Mucor B) Penicillium
C) Agaricus D) Rhizopus
- 3) The pathogen Microsporium responsible for ringworm disease in humans belongs to the same Kingdom of organisms as that of (Mains) 2011]
A) Rhizopus, a mould
B) Ascaris, a round worm
C) Taenia, a tapeworm
D) Wuchereria, a filarial worm
- 4) Arrange the following in correct sequence with reference to sexual reproduction in Rhizopus (I) Formation of germ tube (II) Formation of zygophores (III) Formation of warty wall layer of zygospore (IV) Secretion of trisporic acid The correct sequence is [EAMCET 2009]
A) IV, III, II, I B) IV, II, III, I
C) II, I, IV, III D) I, III, II, IV
- 5) Zygospores are formed in [MP PMT 1995; AFMC 2002; Orissa JEE 2005]
A) Puccinia B) Penicillium
C) Alternaria D) Mucor / Rhizopus
- 6) Common bread mould is [MP PMT 1996, 2010]
A) Yeast B) Rhizopus C) Bacteria D) Virus
- 7) Columella is a specialized structure found in the sporangium of [CBSE PMT 1999; BHU 1999; CPMT 2004; Bihar CECE 2006]
A) Ulothrix B) Rhizopus
C) Spirogyra D) None of these
- 8) Multinucleated filament of Rhizopus is [RPMT 1997; BCECE 2005]
A) Coenocytic B) Conidia
C) Heterothallus D) Homothallus
- 9) Mucor shows [MP PMT 2002]
A) Isogamy B) Anisogamy
C) Oogamy D) None of the above
- 10) For Mucor zygospore is [DPMT 2007]
A) Thick walled resting spore
B) Haploid in structure
C) Result of asexual reproduction
D) Germinates to form zoospores
- 11) The reduction division in the life cycle of Rhizopus occurs [CPMT 1990]
A) At the time of germination of zygospores
B) During the formation of germ sporangium
C) During asexual reproduction
D) During the formation of gametangium
- 12) Which of the following plant and its mode of nutrition is not correctly matched [AIEEE Pharmacy 2003]
A) Cuscuta - Stem parasite
B) Mucor - Autotroph
C) Orobancha - Root parasite
D) Drosera - Insectivorous
- 13) Which one of the following fungus shows heterothallism [BHU 1999; MHCET 2001]
A) Erysiphe B) Peziza
C) Rhizopus D) Peronospora
- 14) Mode of nutrition in Rhizopus is [AFMC 1993; CPMT 1991]
A) Parasitic B) Symbiotic
C) Saprophytic D) Autotrophic
- 15) Food stored in Rhizopus / Mucor as [RPMT 1987, 96, 2000; MP PMT 1987; CBSE PMT 1992]
A) Protein and steriods B) Sugar and oil
C) Protein and starch D) Glycogen and oil
- 16) Mycelium of Mucor/ Rhizopus is [MP PMT 2000]
A) Aseptate and unicellular B) Septate and unicellular
C) Septate and multicellular D) Coenocytic
- 17) Yeast like budding of oidia in Mucor/ Rhizopus is called [MP PMT 2001]
A) Palmella B) Chantransia
C) Torula D) Gongrosira
- 18) Botanical name of species which cause white rust of cruciferae [RPMT 2002,06]
A) Peronospora par-asitica B) Puccinia graminis
C) Pythium de-baryanum D) Albugo Candida
- 19) Fungus without any mycelium is [BHU 2000; MHCET 2000]
A) Albugo B) Agaricus
C) Puccinia D) Saccharomyces
- 20) Yeast produces an enzyme complex that is responsible for fermentation. The enzyme complex is [MP PMT 1989, 92; CPMT 1992]
A) Aldolase B) Dehydrogenase
C) Invertase D) Zymase
- 21) In Albugo the food reserve is mostly [RPMT 1995]
A) Glycogen B) Volutin granules
C) Protein granules D) Fat
- 22) Which organism is used to obtain the single cell protein (Med.) 2005]
A) Bacteria B) Yeast
C) Filamentous Fungi D) All of the above

23) Pseudomycelium is formed in [BHU 2002]

- A) Yeast B) Rhizophora
- C) Aspergillus D) Synchytrium

24) "Mycorrhizae" are useful for plants mainly due to their following attribute [CPMT 1993, 94; BHU 1994, 2001; Pb. PMT 1999; DPMT 2003, 06; CPMT 2004; RPMT 2006]

- A) Fixing atmospheric nitrogen
- B) Enhanced absorption of nutrients from soil
- C) Killing insects and pathogens
- D) Providing resistance against abiotic stresses

25) In lichens, sexual reproduction belongs to [BHU 1994]

- A) Fungal partner only
- B) Algal partner only
- C) Fungal and algal partners (both)
- D) Either fungal partner or algal partner (not both)

26) Which one of the following pairs is correctly matched

[AIIMS 2003, 07]

- A) Rhizobium - Parasite in the roots of leguminous plants
- B) Mycorrhizae - Mineral uptake from soil
- C) Yeast - Production of biogas
- D) Myxomycetes - The disease ring worm

27) The symbiotic association of fungi and algae is called

[BHU 1990; AIIMS 1990; CPMT 1996, 98; AFMC 1998; KCET 2000; Chd. CET 2000; CBSE PMT 2001]

- A) Lichen B) Mycorrhiza
- C) Both (a) and (b) D) Mycoplasma

28) Mycorrhiza works as [CPMT 1998; BHU 2002]

- A) Modified root
- B) An organism for vegetative propagation
- C) A root hair in adverse condition
- D) Mechanical tissue for support

29) Mycorrhizal association occurs in Pinus, Ficus and

[Haryana PMT 2000]

- A) Utricularia B) Legumes
- C) Eucalyptus D) Azadirachta

30) Short twisted strands of hyphae which serves as anchors for lichens [Orissa JEE 2008]

- A) Mycelium B) Rhizines
- C) Roots D) Rhizoids