

KINGDOM FUNGI QUESTION BANK

KINGDOM FUNGI QUESTION BANK Question and answer based on strictly latest NCERT based pattern, and previous year NEET (AIPMT) question. chapter wise approach mcq is more useful for quick revision and increase speed for maintaining time period.

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MCQ:-

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Q1) Which of the following would appear as the pioneer organisms on bare rocks? (NEET 2016, PHASE I)

Liverworts
Mosses
Green algae
Lichens

Q2) One of the major components of cell wall of most fungi is (NEET 2016, PHASE I)

Peptidoglycan
Cellulose
Hemicellulose
Chitin

Q3) Which one of the following is wrong for fungi? (NEET 2016, PHASE II)

They are eukaryotic
All fungi possess a purely cellulosic cell wall
They are heterotrophic
They are both unicellular & multicellular

Q4) Choose the wrong statement. (CBSE AIPMT 2015)

Penicillium is multicellular & produces antibiotics
Neurospora is used in the study of biochemical genetics
Morels & truffles are poisonous mushrooms
Yeast is unicellular & useful in fermentation

Q5) The imperfect fungi which are decomposers of litter & help in mineral cycling belong to (CBSE AIPMT 2015)

Deuteromycetes
Basidiomycetes
Phycomycetes
Ascomycetes

Q6) The highest number of species in the world is represented by (CBSE AIPMT 2012)

Fungi
Mosses
Algae
Lichens

Q7) Which one of the following has a haplontic life cycle? (CBSE AIPMT 2009)

Funaria
Polytrichum
Ustilago
Wheat

Q8) Which one is the wrong pairing for the disease & its causal organism? (CBSE AIPMT 2009)

Late blight of potato - *Alternaria solani*
Black rust of wheat - *Puccinia graminis*
Loose smut of wheat - *Ustilago nuda*
Root-knot of vegetables - *Meloidogyne* sp.

Q9) *Trichoderma harzianum* has proved a useful microorganisms for (CBSE AIPMT 2008)

Bioremediation of contaminated soils
Reclamation of wastelands
Gene transfer in higher plants
Biological control of soil-borne plant pathogens

Q10) Cellulose is the major component of cell walls of: (CBSE AIPMT 2008)

Pythium
Xanthomonas
Pseudomonas
Saccharomyces

Q11) Which of the following is a slime mould? (CBSE AIPMT 2007)

Rhizopus
Physarum
Thiobacillus
Anabaena

Q12) Ergot of rye is caused by a species of (CBSE AIPMT 2007)

Phytophthora
Uncinula
Ustilago
Claviceps

Q13) Which pair of the following belongs to Basidiomycetes? (CBSE AIPMT 2007)

Birds nest fungi & puff balls
Puffballs & Claviceps
Peziza & stink horns
Morchella & mushrooms

Q14) The thalloid body of a slime mold (Myxomycetes) is known as (CBSE AIPMT 2006)

Plasmodium
Fruiting body
Mycelium
Protonema

Q15) Which of the following environmental conditions are essentials for optimum growth of Mucor on a piece of bread? (CBSE AIPMT 2006)
Temperature of about 25°C

Temperature of about 5°C

Relative humidity of about 5%

Relative humidity of about 95%

A shady place

A brightly illuminated place

Choose the answer from the following options

(i) , (iv) & (v) only

(ii) , (iv) & (v) only

(ii) , (iii) & (vi) only

(i) , (iii) & (v) only

Q16) There exists a close association between the alga & the fungus within a lichen. The fungus (CBSE AIPMT 2005)

Provides protection, anchorage & absorption for the alga

Provides food for the alga

Fixes the atmospheric nitrogen for the alga

Release oxygen for the alga

Q17) Lichens are well known combination of an alga & a fungus where fungus has (CBSE AIPMT 2004)

A saprophytic relationship with the alga

An epiphytic relationship with the alga

A parasitic relationship with the alga

A symbiotic relationship with the alga

Q18) During the formation of bread it becomes porous due to the release of CO₂ by the action of (CBSE AIPMT 2002)

Yeast

Bacteria

Virus

Protozoans

Q19) Which fungal disease spreads by seed & flowers? (CBSE AIPMT 2002)

Loose smut of wheat

Corn stunt

Covered smut of barley

Soft root of potato

Q20) Plant decomposers are (CBSE AIPMT 2001)

Monera & Fungi
Fungi & Plants
Protista & Animalia
Animalia & Monera

Q21) Adhesive pad of fungi penetrates the host with the help of (CBSE AIPMT 2001)

Mechanical pressure & enzymes
Hooks & suckers
Softening by enzymes
Only by mechanical pressure

Q22) In fungi stored food material is (CBSE AIPMT 2000)

Glycogen
Starch
Sucrose
Glucose

Q23) Black rust of wheat is caused by (CBSE AIPMT 2000)

Puccinia
Mucor
Aspergillus
Rhizopus

Q24) Which of the following is the use of lichens in case of pollution? (CBSE AIPMT 1999)

Lichens are not related with pollution
They act as bioindicators of pollution
They treat the polluted water
They promote pollution

Q25) Yeast (*Saccharomyces cerevisiae*) is used in the industrial production of :

Citric acid
Tetracycline
Ethanol
Butanol

ANSWERS

1. D Lichens
2. D Chitin
3. B All fungi possess a purely cellulosic cell wall
4. C Morels & truffles are poisonous mushrooms
5. A Deuteromycetes
6. A Fungi
7. C Ustilago
8. A Late blight of potato – *Alternaria solani*
9. D Biological control of soil-borne plant pathogens
10. A *Pythium*
11. B *Physarum*
12. D *Claviceps*
13. A Birds nest fungi & puff balls
14. A Plasmodium
15. A (i), (iv) & (v) only
16. A Provides protection, anchorage & absorption for the alga
17. D A symbiotic relationship with the alga
18. A Yeast
19. A Loose smut of wheat
20. A Monera & Fungi
21. A Mechanical pressure & enzymes
22. A Glycogen
23. A *Puccinia*
24. B They act as bioindicators of pollution
25. C Ethanol