MUCOR

EXERCISE

1. Reproduction in Mucor takes place by
(1) Anisogametes (2) Isogametangia
(3) Agametes (4) None

2. The zygospore of Mucor thick walled and its colour is
(1) Blue (2) White
(3) Green (4) Black

3. Zygospore of Mucor germinates to form
(1) Mycelium (2) Promycelium
(3) Germ tube (4) Hyphae

4. In Mucor, heterothallism was discovered by -
(1) Lederberg and Tatum (2) Debary
(3) Pontecorvo (4) Blakeslee

5. Yeast like budding of oidia in Mucor is termed as
(1) Gongrosira stage (2) Torula stage
(3) Palmella stage (4) None

6. Thick walled spore like structure formed in the mycelium of Mucor are named as -
(1) Hypnospore (2) Akinetes
(3) Oidia (4) Chlamydospores

7. How many zones are present in the sporangia of Mucor which develops from a vegetative mycelium -
(1) Two (2) Three
(3) Four (4) Five

8. Zygospores are formed in -
(1) Puccinia (2) Penicillium
(3) Alternaria (4) Mucor

9. Coenogametes are formed in-
(1) Mucor (2) Puccinia
(3) Penicillium (4) Ustilago

10. Torula conditions occurs in
(1) Mucor (2) Rhizopus
(3) Both (1) and (2) (4) Puccinia

11. Mucor mucedo is a -
(1) Homothallic fungus
(2) Heterothallic fungus
(3) Heteroecius fungus
(4) None

12. Mucor belongs to order -
(1) Mucoraceae (2) Mucorales
(3) Zygomycetes (4) Oomycetes

13. Dung - mold is -
(1) rhizopus stolonifer
(2) Mucor mucedo
(3)Aspergillus flavus
(4) Clostridium tetani

14. In pure laboratory culture of Mucor, the formation of zygospores does not occur, this due to the -
(1) Presence of (+) and (-) strains in its mycelium
(2) Abssence of (+) and (-) strains in its mycelium
(3) Deficiency of O_2
(4) Deficiency of water

15. Which one of the following life cycles is associated with mucor
(1) Hetermorphic (2) Haplonitc
(3) Diplontic (4) Isomorphic

16. Mucor is -
(1) Heterothallic and heterotrophic
(2) Heterotrophic and heteroecious
(3) Heteroecious and heterosporous
(4) Heterosporous and heterrothallic

17. Bread mold is the common name of -
(1) Batrachospermum (2) Rhizopus
(3) Agaricus (4) Bacillus

18. In Mucor species, usually isogamy takes place between -
(1) Same strains (2) (+) and (-) strain
(3) Zygospores (4) Microspores

19. In mucor, stored food is -
(1) Glyocogen and oil (2) Starch
(3) Leucosine and oil (4) Foridean strach

20. Mucor is -
(1) With chlorophyll (2) Without chlorophyll
(3) With carotenes (4) None

21. Mycelium of mucor is **[MP PMT 2000]**
(1) Septate and unicellular
(2) Septate and multicellular
(3) Aseptate and Uninucleate
(4) Coenocytic

22. Sporangiospores of mucor I **[MP PMT 2002]**

(1) Haploid (2) Diploid

(3) Triploid (4) Polyploid

23. Mucor shows **[MP PMT 2002]**

(1) Isogamy (2) Anisogamy

(3) Oogamy (4) none of the above

24. Which of the following environmental conditions are essential for optimum growth of Mycor on a piece of bread ? **[CBSE 2006]**

A. Temperature of a bout 25^0C

B. Temperature of a bout 5^0 C

C. Relative humidity of about 5%

D. Relative humidity of about 95%

E. A shady place

F. A brightly illuminated place

(1) B,D, and E only

(2) B, C and F only

(3) A, C and E only

(4) A, D and E only

MUCOR ANSWER KEY

Que.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Ans.	**2**	**4**	**2**	**4**	**2**	**4**	**1**	**4**	**1**	**3**	**2**	**2**	**2**	**2**	**2**
Que.	16	17	18	19	20	21	22	23	24						
Ans.	**1**	**2**	**2**	**1**	**2**	**4**	**1**	**1**	**4**						