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1)
Columella is a specialized sterile str ucture found in sporangium of ?

(A) Ulothrix
(B) Yeast
(C) Spirogyra
(D) Rhizopus

Correct Answer :Rhizopus

2) **Mycelium in Rhizopus are:**

(A) Septate and nucleate
(B) Aseptate & Unimucleate
(C) Aseptate & nucleate
(D) None of the above

Correct Answer :-
Aseptate & nucleate

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3) **Formula of fungus chitin is:**

(A) C3032 H4816 O872 N780 S8 Fe4

(B) (C22 H54 N4 O21)n

(C) C55H705N4Mg

(D) None of the above

Correct Answer :-
(C22 H54 N4 O21)n

4) **When hyphae of a mycelium grow together and intertwine with one another forming a thick woven tissue, it is called as ?**

(A) Plecten chyma

(B) Sclerotia

(C) Rhizomorph

(D) All of the above

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Correct Answer :Plecten chyma

5)

Which of the following is edible fun gi ?

(A) Morchella

(B) Agaricus

(C) Lycoperdon

(D) All of the above

Correct Answer :All of the above

6)

When two mycelium of opposite str ains (+) & (--) come near one another, the mycelia produce small outgrow ths called as: ?

(A) Progametangia

(B) Sclerotia

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(C) Ascus

(D) Metulae

Correct Answer :- Progametangia

7)
Which of the following is homothallic?

(A) Rhizopus nigricans

(B) Rhizopus stolonifer

(C) Rhizopus sexualis

(D) Both Rhizopus nigricans & Rhizopus stolonifer

Correct Answer :Rhizopus sexualis

8) **Chief enzyme found in yeast cell is:**

(A) Amylase

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(B) Maltase

(C) Zymase

(D) Ligase

Correct Answer :Zymase

9)
The reserve food in yeast is the for m of:

(A) Starch

(B) Cellulose

(C) Oils & glycogen

(D) Protein

Correct Answer :-
Oils & glycogen

10) Yeast belongs to class:?

(A) Deuteromycetes

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(B) Basidiomycetes

(C) Zygomycetes

(D) Ascomycetes

Correct Answer :Ascomycetes

11.The nematodes are–

(A) Monoblastic (B) Duoblastic

(C) Triploblastic✓ (D) All of these

12. Bacterial cell division mainly by

(A) Binary fission✓ (B) Fragment

(C) Budding (D) None of these

13. Rice blast pathogen perfect stage is–

(A) Pyricularia oryzae (B) Magnaporthe grisea✓

(C) Helmiuthosporium (D) Rhizoctonia

14. Downy mildew of pea caused by–

(A) Perenospora pisi✓ (B) Albugo candida

(C) Erfsiphae polsjgoni (D) None of these

15. Black heart is a physiological disorder

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of

(A) Tomato (B) Chilli

(C) Potato✓ (D) Cabbage

16. The major storage fungi that effects the food grain is–

(A) Rhizobium (B) Mucor

(C) Cercospora (D) Aspergillus✓

17. Which one of the following microbial agents is being commercially exploited as biocontrol agent ?

(A) Bacillus subtilis (B) Penicillium notatunt

(C) Sclerotium rolfsi (D) Trichoderma viride✓

18. Which Penicillium species used in 'Cheese' making ?

(A) Penicillium notatunt (B) Penicillium roqueforti ✓

(C) Penicillium diuaricatum (D) Penicillium crysogemum

19. Application of potash increases

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(A) Resistance to water logging (B) Frost resistance in plants
(C) Disease resistance in plants✓ (D) None of these

20. Viruses contain–
(A) RNA (B) DNA
(C) Both RNA and DNA (D) Either RNA or DNA, never both✓

21. Select the nematicides group which are non-fumigant in nature–
(A) Methyl bromide (B) Nemagon (DBCP)
(C) Vapam (D) Aldicarb and Phorate✓

22. The causal organism of bunchy top of banana is transmitted by–
(A) Peutalonia nigroneruosa✓ (B) Bemisia tabaci
(C) Lipaphis erisimi (D) Pollen

23. Sulphur dioxide is toxic to plant at or above–
(A) 0.1-0.3ppm(B) 0.3-0.5ppm✓

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(C) 0.5-0.7ppm (D) 1 ppm

24. **Damping off and leaf blights are very effectively checked by–**
(A) Bordeaux mixture (B) Burgundy mixture
(C) Thirarn **(D) Copper oxychloride✓**

25. **Yon Schmeling and Kulka first time demonstrated the systemic activity of fungicides in–**
(A) 1956 **(B) 1966**
(C) 1972 (D) 1976

26. **Dinocap (methyl heptyl dinitrophenyl crotonate) is sold in market as–**
(A) Bravo (B) Dexon
(C) Botron **(D) Karathane✓**

27. **Which one of the following is a single cell fungi?**
(A) Yeast✓ (B) Aspergillus
(C) Penicillium (D) Alternaria

28. **Loose smut of wheat is–**

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(A) Internally seed borne✓ (B) Externally seed borne
(C) Both (A) and (B) (D) Not clearly defined

29. Loose smut of barley is/are–
(A) Internally seed borne✓ (B) Externally seed borne
(C) Soil borne (D) All of these

30. Stem galls of coriander (Coriandrum) is caused by
(A) Protonujces macrosporus✓ (B) Plasmopara viticola
(C) Peronospora pisi (D) None of these

31. The causal organism Enjsiphe graminis sp. tritici produces–
(A) Apothecia (B) Cleistothecia✓
(C) Perithecia (D) Telia

32. The bacterial colony is known as–
(A) Spore (B) Mycelium
(C) Ooze✓ (D) Hypha

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33. **The spores which are produced typically by the binucleate mycelium and mainly function as repeating spores for the spread of rust disease in wheat is called**

(A) Aeciospores (B) Basidiospores

(C) Urediospores✓ (D) Teleutospores

34. **Plasmodiophora brassicae causes the club root disease of crucifers can be controlled by–**

(A) Raising pH of soil✓ (B) Decreasing pH of soil

(C) Both (A) and (B) (D) None of these

35. **Leaf spot or tikka disease of groundnut is/are caused by–**

(A) Cercospora arachidicola (B) Cercosporidium personatum

(C) Both (A) and (B)✓ (D) Drechslera graminea

36. **'Fungi and Plant Diseases' was written by–**

(A) BB Mundakur (B) JF Dastur

(C) G Rangaswami✓ (D) KC Mehta

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37.**Who described the first plant nematode disease, the seed gall caused by Anguilla tritiei in 1743 AD ?**

(A) Berkeley (B) Kuhn

(C) Needham✓ (D) NA Cobb

38. **The adjacent cells of the same fungal hypha brought into communication with each other by means of loops is known as–**

(A) Transduction (B) Transformation

(C) Clamp connection✓ (D) Conjugation

39. **The Downey mildew of bajra is caused by–**

(A) Sclerospora sorghi (B) Sclerospora sacchari

(C) S. grantinicola✓ (D) Perenospora parasitica

40. **The organo-mercurials fungicides used I for dry seed treatment usually contain I mercury–**

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(A) 0.5 % (B) 1.0 %✓
(C) 2.0 % (D) 4.0 %

41. Who advanced the gene for gene concept of disease resistance and susceptibility in 1946 ?

(A) Flor✓ (B) Vanderplank
(C) Gaumann (D) Muller

42. In uredinales (rust fungi) basidia usually bearing how many numbers of basidiospores ?

(A) 2 (B) 4✓
(C) 6 (D) 8

43. When plant showed the partial resistance against all the races of pathogen then it is a type of ?

(A) Horizontal resistance✓ (B) Vertical resistance
(C) Induced resistance (D) Non-host resistance

44. The black wart disease of potato specially confined to Darjeeling hills is caused by pathogen

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(A) Synchytrium eudobioticum✓ (B) Plasmodiophora brassicae
(C) Sclerospora sorglti (D) Plasmopora oiticola

45. A bacteria which have a large number of flagella all over the cell is categorized in–
(A) Atrichous (B) Amphitrichous
(C) Lophotrichous (D) Peritrichous✓

46. The rust fungi completing their life cycle on one host are called–
(A) Polymorphic (B) Autoecious
(C) Heteroecious✓ (D) None of these

47. The disease ergot of rye produces sclerotia is caused by–
(A) Claviceps pllrpurea✓ (B) C. fusiformis
(C) Clauiceps sativae (D) All of these

48. The optimum temperature for the attack of foot rot of papaya (Pythiulll aphanidermatumi is–
(A) 22°C (B) 28°C

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(C) 32°C (D) 36°C✓

49. **Which type of spores of Puccinia graminis tritici infect the barberry plant ?**
(A) Teliospores (B) Urediospores
(C) Aeciospores (D) Basidiospores✓

50. **Who is the father of plant pathology in India?**
(A) EJ Butler✓ (B) KC Mehta
(e) BB Mundakur (D) R Prasad

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