

Demo test

Shivaji University, Kolhapur

Department of Botany

M. Sc. Theory Exam (BACKLOG) October, 2020

1. is NOT an example of pollution.
A. Air
B. Soil
C. Water
D. Wood

2. is the financial capital of India.
A. Mumbai
B. Delhi
C. Surat
D. Chennai

3. Shivaji University located at.....
A. Satara
B. Sangli
C. Kolhapur
D. Solapur

4. In Botany..... specialization NOT available at M. Sc. Level
A. Physiology
B. Marine Botany
C. Biotechnology
D. Pharmacognosy

5. Botany means.....
A. Soil
B. Snails

C. Herbs

D. Rocks

6. Presence of vessels are observed in.....

A. Algae

B. Fungi

C. Pteridophytes

D. Angiosperms

7. An example of basal angiosperm is.....

A. Trithuria

B. Cucumis

C. Schilla

D. Drimia

8. The financial capital of India is.....

A. Mumbai

B. Delhi

C. Surat

D. Chennai

9. is the model of flower development.

A. ABC

B. DEF

C. GHI

D. LMN

10. Which of the following is a living simple tissue involved as strengthening tissue for the plant body?

A. collenchyma

B. sclerenchyma

C. epidermis

D. Choices A and B are correct.

11. Which of the following subcellular components is likely to be absent in a plant root?
- A. large vacuoles
 - B. mitochondria
 - C. chloroplasts**
 - D. leucoplasts

12. In Hibiscus, number of anthers present in flower are.....
- A. fifty
 - B. sixty
 - C. eighty
 - D. numerous

13. The disease 'dieback of shoots' is caused due to the deficiency of the microelement:

- A. Silver
- B. Magnesium
- C. Potassium
- D. Copper**

14. Starting from the outside of a cell and moving towards the inside of a cell, which of the following components of a 'typical plant' cell are organized correctly?

- A. plasma membrane ==> primary cell wall ==> secondary cell wall ==> middle lamella -> cytoplasm**
- B. cytoplasm ==> plasma membrane ==> middle lamella ==> secondary cell wall ==> primary cell wall
- C. plasma membrane ==> cytoplasm ==> secondary cell wall ==> primary cell wall ==> middle lamella
- D. middle lamella ==> secondary cell wall ==> primary cell wall ==> plasma membrane ==> cytoplasm

15. completely absent in fungi.

- A. Nucleus
- B. Cell wall
- C. Pigments
- D. Chloroplast**

16. Following things are strictly NOT allowed in Biochemistry laboratory. a. Mouth pipetting, b. gloves, c. eating, d. face masks, e. drinking, f. unauthorized experiments, g. smoking.

- A. a, d, f, g
- B. b, c, e, f
- C. a, c, e, g**
- D. c, e, g, b

17. Annular ring and phase ring used in..... microscopy.

- A. Scanning electron
- B. Fluorescence
- C. Phase contrast**
- D. Dissecting

18. $100 \times 0.0 = \dots\dots\dots$

- A. 0**
- B. 10
- C. 100
- D. 0.100

19. Happiness in the human controlled by.....

- A. Hormone**
- B. Sodium
- C. Potassium
- D. Pheromones

20. Who said that members of the same species are not alike ?

A. Darwin

B. Herbert Spencer

C. Best

D. Good

21. Which of the following types of researches determines the relationships between two or more variables?

a. Survey research

b. Correctional research

c. Action research

d. Both b and c

22. Select the odd one out

A. Hardware

B. Keyboard

C. Ink

D. Monitor

23. Find the odd word: Kiwi, Eagle, Emu, Penguin, Ostrich

A. Kiwi

B. Eagle

C. Emu

D. Penguin

24. Choose the pair in which the words are differently related.

A. Shoe: Leather

B. Iron: Axe

C. Table: Wood

D. Jewelry: Gold

25. Eileen is planning a special birthday dinner for her husband's 35th birthday. She wants the evening to be memorable, but her husband is a simple man who would rather be in jeans at a baseball game than in a suit at a fancy restaurant. Which restaurant below should Eileen choose?

A. Alfredo's offers fine Italian cuisine and an elegant Tuscan decor. Patrons will feel as though they've spent the evening in a luxurious Italian villa.

B. Pancho's Mexican Buffet is an all-you-can-eat family style smorgasbord with the best tacos in town.

C. The Parisian Bistro is a four-star French restaurant where guests are treated like royalty. Chef Dilbert Olay is famous for his beef bourguignon.

D. Marty's serves delicious, hearty meals in a charming setting reminiscent of a baseball clubhouse in honor of the owner, Marty Lester, a former major league baseball all-star.

26. Five children are sitting in a row. S is sitting next to P but not T. K is sitting next to R who is sitting on the extreme left and T is not sitting next to K. Who are sitting adjacent to S?

A. K & P

B. R & P

C. Only P

D. P and T

27. Look at this series: 2, 1, $(1/2)$, $(1/4)$, ... What number should come next?

A. $(1/3)$

B. $(1/8)$

C. $(2/8)$

D. $(1/16)$

28. 26, 12, 10, 16, ?

A. 50

B. 52

C. 53

D. 56

29. Who discovered nucleus?

A. Albert

B. Newton

C. Robert Brown

D. Robert Hooke

30. The Indian Botanical Garden is located at.....

A. Delhi

B. Allahabad

C. Kolkata

D. Lucknow