



BIOLOGY

BOOKS - UNITED BOOK HOUSE

MP_13 QUESTION PAPER

Exercise

1. Define pleotropy. Give example.

A. from xylem to xylem

B. from cambium to cambium

C. from pith to pith

D. from phloem to phloem.

Answer:



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2. What is nucleosome?



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3. How sex is determined in honey-bees?



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4. Define geitenogamy. Give example.



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5. What is gemmule? Give example.



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6. What do you mean by pBR322?



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7. Write different patterns of biodiversity.



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8. Write equation of 'S' & 'J' shaped growth curve.



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9. Where fertilization occur in case of human?

In which stage and where embryo is implanted in human?



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10. Describe Paleontology.



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11. Embryological evidence to support the concept of organic evolution.



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12. Write the structure of B-DNA.



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13. Write the function of different type of non-genetic RNA.



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14. State about the production of human insulin by biotechnology.



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15. How is DNA replicated through semi-conservative process?



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16. Write any three roles of tissue culture on plant hybridization.



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17. What is SCP?



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18. Write three differences between heliophyte and sciophyte.





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19. Write a short note on desert adaptation of animal.



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20. What is c-DNA? Write the importance of biotechnology.



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21. Define : Biopiracy and Biofortification.



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22. Define spermatogenesis. Briefly describe the histological structure of testes of human with a neat diagram.



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23. Describe about the development of male gametophyte in a flowering plant with a

proper diagram. Write importance of seed.



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24. Write the importance amniocentesis.



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25. State the energy flow system in an ecosystem. Give example of organisms showing inverted pyramid.



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26. State about pollutional effect of water pollution and chemical used in agriculture.



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27. Ornithophilous flower is -

A. Paddy

B. Arum

C. Lotus

D. Palash

Answer:



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28. Choose the correct pair -

A. Ginger-sucker

B. Olium-bulb

C. Chlamydomonas-Conidia

D. Yeast-zoospore.

Answer:



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29. Acrosome is one type of -

A. 1.flagella

B. 2.basal body

C. 3.lysosome

D. 4.ribosome.

Answer:



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30. Which one is correct in case of regular menstrual cycle. -

A. Endometrium is repaired within 5-10 days

B. Ovulation takes place within 5 days

C. Nutrients are related for implantation within 11-18 days

D. Release of progesterone is increased during 1-15 days.

Answer:



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31. Purpose of tubectomy is -

A. 1.intersex

B. 2.ovulation

C. 3.permanent sterilization

D. 4.maturation of embryo.

Answer:



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32. Linkage is discovered by -

A. 1.Sutton

B. 2.Mendel

C. 3.Muller

D. 4.Morgan.

Answer:



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33. Choose the correct pair -

A. UGA-OPAL

B. UAA-OCHRE

C. UAG-AMBER

D. all pairs.

Answer:



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34. NODOC' site in seen in

A. mRNA

B. rRNA

C. bRNA

D. Ribosome.

Answer:



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35. Which of the following is similar to modern man? -

A. Australopithecus

B. Java man

C. Cro-magnon

D. Neanderthal

Answer:



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36. Trisomy of 21st chromosome in human causes -

A. Turner syndrome

B. Down syndrome

C. Klinefelter

D. Thalassemia.

Answer:



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37. Prophylactic drug of malaria is -

A. Aspirin

B. Tetracyclin

C. Nux vomica

D. Paludrine.

Answer:



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38. Memory cell is originate from -

A. Monocyte

B. Erythropoitic stem cell

C. B-lymphocyte

D. T-lymphocyte.

Answer:



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39. Which one causes cancer? -

A. 1.Metastasis

B. 2.Carcinogen

C. 3.Carcinoma

D. 4.Oncogene

Answer:



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40. N_2 fixing microbe associated with azolla in paddy field is -

A. Frankia

B. Tolypothrix

C. Spirulina

D. Anabaena.

Answer:



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41. Which type of water is taken up by plant from soil.



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42. Full name of FISH or ZIFT.



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43. Name the causative agent of elephantiasis.



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44. Who is the leader of Chipko movement.



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45. Define synecology.



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