



BIOLOGY

BOOKS - UNITED BOOK HOUSE

JPB QUESTION PAPER

Exercise

1. First national park of India is:

1. Kanha N.P.

2. Periyar N.P.

3. Corbett N.P.

4. Bandipur N.P.

A. Kanha N.P.

B. Periyar N.P.

C. Corbett N.P.

D. Bandipur N.P.

Answer:



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2. The term taxon was given by:

1. Linnaeus

2. Meyer

3. Candolle

4. Lamarck

A. Linnaeus

B. Meyer

C. Candolle

D. Lamarck.

Answer:



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3. Agar-agar is obtained from:

1. Red algae
2. Brown algae
3. Green algae
4. Cyanobacteria

A. Red algae

B. Brown algae

C. Green algae

D. Cyanobacteria

Answer:



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4. Name one club-moss:

1. Selaginella

2. Lycopodium

3. Marsilea

4. Equisetum

A. Selagineela

B. Lycopodium

C. Marsilea

D. Equisetum.

Answer:



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5. Ink gland is present in:

1. Pila

2. Sepia

3. Aplysia

4. Chiton

A. Pila

B. Sepia

C. Aplysia

D. Chiton

Answer:



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6. Annelida larva is:

1. Tadpole

2. Maggot

3. Trochophore

4. Bipinnaria

A. Tadpole

B. Maggot

C. Trochophore

D. Bipinnaria

Answer:



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7. Mast cell of connective tissue contains:

1. Heparin and oxytonin
2. Serotonin and melanin
3. Heparin and Histamine
4. ADH and relaxin

A. Heparin and oxytonin

B. Serotonin and melanin

C. Heparin and Histamine

D. ADH and relaxin

Answer:



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8. The function of the colleterial gland in cockroach is:

1. store eggs
2. store sperms
3. keep vagina moist
4. secrete the egg case.

A. store eggs

B. store spems

C. keep vagina moist

D. secretate the egg case.

Answer:



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9. In plant cells, peroxisomes are associated with:

1. Photoperiodism

2. Phototropism

3. Photorespiration

4. Photolysis

A. Photoperiodism

B. Phototropism

C. Photoperiodism

D. Photolysis

Answer:



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10. Apoenzymes are:

1. Proteins

2. Vitamin

3. Carbohydrate

4. Amino acid

A. Proteins

B. Vitmain

C. Carbohydrate

D. Amino acid

Answer:



11. Monosomics are:

1. n

2. $2n + 1$

3. $2n - 2$

4. $2n - 1$

A. n

B. $2n + 1$

C. $2n - 2$

D. $2n - 1$

Answer:



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12. First stable compound of C_3 cycle is

A. glucose

B. PGAID

C. PGA

D. funclose 1, 6 diphosphate.

Answer:



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13. Heparin is secreted by

A. neutrophil

B. basophil

C. lymphocyte

D. monocyte

Answer:



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14. Rate of heart beat is determined by

A. AV-node

B. SA-node

C. purkinje fibres

D. Papillary muscles.

Answer:



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15. What is the significance of an enlarged Q wave in electrocardiogram?



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16. The plasma protein that gives maximum viscosity of blood is



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17. What is residual volume?



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18. Expand Rubisco.



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19. What do you mean by cardiac output.



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20. Differentiate between plasma and serum.



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21. What is mountain-sickness?



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22. Differentiate between tendon and ligament



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23. Write one difference of root hair and stem hair.



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24. What do you mean by Hill reaction and Blackman's reaction.



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25. Define recombination and crossing over.



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26. Difference between Kwashiorkor and Marasmus.



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27. Classify proteins with examples



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28. with a labelled diagram describe the ultrastructure of chloroplastid.



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29. Distinguish between 'A' bond and 'I' bond.



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30. Name the phylum of these following characters : canal system, water vascular

system, comb plate.



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31. Short note on diatomite



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32. State the difference between pili and fimbriae.



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33. Define : Genetic engineering and Plasmid.



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34. Define: Synonym homonym.



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35. Briefly describe about the different conservation methods of biodiversity.



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36. What is Michaelis constant and with the help of a graph show that its reaction attains half of its maximum velocity.



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37. Discuss the mechanism and significance of Hatch and black pathway in photosynthesis.



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38. The male reproductive system of cockroach.



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