



BIOLOGY

BOOKS - UNITED BOOK HOUSE

QUESTION PAPER 2015 (1)

Example

1. Cause of extinction of biodiversity is:

1. pollution

2. lack of food

3. lack of reservation

4. lack of water

A. pollution

B. lack of food

C. lack of reservation

D. lack of water

Answer:



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2. Father of Biology is:

1. Malpighi

2. Theophrastus

3. Aristotle

4. Lamarck

A. Malpighi

B. Theophrastus

C. Aristotle

D. Lamarck

Answer:



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3. After fertilisation ovule is converted to:

1. seed

2. cotyledon

3. stem

4. fruit

A. seed

B. cotyledon

C. stem

D. fruit

Answer:



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4. Flower is modified

A. shoot

B. bud

C. petiole

D. leaf

Answer:



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5. White fibre consists of the protein, that is

A. fibrinogen

B. Collagen

C. Elastin

D. Gelatin

Answer:



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6. Which of the following is called suicidal bag?

- A. Microsome
- B. Mesosome
- C. Centrosome
- D. Lysosome

Answer:



7. Protein part of enzyme is called

- A. Apoenzyme
- B. Co-enzyme
- C. Prosthetic group
- D. Co-factor.

Answer:



8. Symport is one kind of

- A. Passive transport
- B. Active transport
- C. Facilitated diffusion
- D. Diffusion

Answer:



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9. Nitrite is converted to nitrate by

A. Rhizobium

B. Thiobacillus

C. Lactobacillus

D. Nitrobacter

Answer:



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10. Value of R.Q of fat is

A. 1.0

B. 1.4

C. 0.9

D. 0.7

Answer:



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11. Chemical name of auxin is

A. Citiric acid

B. Indole propionic acid

C. Napthoxy acetic acid

D.

Answer:



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12. The process by which glucose is formed from lipid is

A. Gluconeogenesis

B. Glycogenesis

C. Lipogenesis

D. Glycogenolysis

Answer:



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13. Total lung capacity is

- A. 2000-4,000 ml`
- B. 4, 000 – 4, 500*ml*
- C. 5, 500 – 6, 000*ml.*
- D. 1,000- 2,000 ml.

Answer:



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14. Which of the following take part in defence of body?

A. Macrophages

B. Lymphocytes

C. Neutrophil

D. All of these.

Answer:



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



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16. Define goblet cell.



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17. How many ATP are produced when one molecule of $FADH_2$ is oxidised to FAD through electron transport system ?



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18. What is called chemical digestion?



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19. Define alkali reserve?



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20. What is mountain-sickness?



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21. Give two example of in-situ reservation



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22. Define non-endospermic seed. Give an example.



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23. Write two characteristics of hydrophilous flower.



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24. Differentiate between chlorosis and necrosis



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25. What is called lactic acid fermentation?



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26. What is called photoperiodism?



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27. What are chylomicron and micelle?



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28. Define Hypoxia.



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29. Why bryophytes are regarded as amphibious plant? Write their two characteristics.



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30. Write two differences between Eutheria and Metatheria. Write two characteristics.



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31. Distinguish between male and female cockroach. What is haemocoel?



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32. Show the valvate and twisted aestivation with diagram.



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33. Write two differences between root and step. Cite an example of Caryopsis?



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34. Explain lock and key theory of enzyme.



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35. What is mitotic cycle? Define synapsis.



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36. What do you understand by chiasma and crossing over? Write the role of centrosome.



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37. Write what is osmosis



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38. What do you understand by oxidative phosphorylation? What is Calvin cycle?



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39. Write the importance of vernalization.
What is the function of ethylene?



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40. Write the composition of pancreatic juice. What is marasmus?



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41. Write the composition of alveolar air. What is vital capacity?



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42. Write the normal composition of urine.

What is the function of ADH?



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43. Describe the ultramicroscopic structure of Mitochondria with labelled diagram.



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44. State about the structure of DNA.



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45. What is glycolysis ? Write down the sequences of reactions that occurs in glycolysis in tabular form .



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46. State various events occurring during cardiac cycle with the help of a word diagram.



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47. What is peristalsis? Write the process of carbohydrate digestion in the alimentary canal of man.



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48. name the phases of animal cell division
mitosis



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