



BIOLOGY

BOOKS - UNITED BOOK HOUSE

QUESTION PAPER 2018 (1)

Example

1. Which of the following is not a character of class Reptillia?

- A. Body is covered by dry scales
- B. Each leg has five clawed digits
- C. Ventricle of heart is incompletely divided
- D. Skull bears two occipital condyles.

Answer:



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2. Which one of the following is not a character of virus?

A. Absence of celluar organisation

B. Can't reproduce or increase in number
outside the living cell

C. Respond to external stimulus

D. Can't be grown in aritificial

Answer:



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3. Which one of the following is not found in male reproductive system of Cockroach?

1. Ejaculatory duct
2. Mushroom gland
3. Spermatheca
4. Conglobate gland.

A. Ejaculatory duct

B. Mushroom gland

C. Spermatheca

D. Conglobate gland.

Answer:



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4. Which one of the following is an example of indehiscent fruit?

A. Achene

B. Legume

C. Capsule

D. Follicle

Answer:



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5. Which type of animal tissue does not have blood vessel?

- a. Connective tissue
- b. Epithelial tissue
- c. Muscle tissue
- d. Nervous tissue.

A. Connective tissue

B. Epithelial tissue

C. Muscle tissue

D. Nervous tissue.

Answer:



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6. Which one of the following is called 'Suicidal Bag'?

1. Microsome

2. Mesosome

3. Centrosome

4. Lysosome

A. Microsome

B. Mesosome

C. Centrosome

D. Lysosome

Answer:



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7. Which one of the following organelles is directly responsible for protein synthesis?

1. Lysosome

2. Ribosome

3. Centrosome

4. Chromosome.

A. Lysosome

B. Ribosome

C. Centrosome

D. Chromosome.

Answer:



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8. Which hormone is responsible for apical dominance?

1. Gibberellin
2. Ethylene
3. Auxin
4. Cytokinin.

A. Gibberellin

B. Ethylene

C. Auxin

D. Cytokinin.

Answer:



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9. What is net gain of molecules of ATP in Glycolytic Pathway in absence of O_2 ?

A. 4 molecules

B. 2 molecules

C. 8 molecules

D. 24 molecules.

Answer:



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10. When the value of R.Q. is less than one,
then

A. fat is oxidized

B. Carbohydrate is oxidized

C. organic acid is oxidized

D. anaerobic respiration takes place.

Answer:



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11. Seedless fruit can be produced by the application of _____.

1. Oxalic acid

2. Abscissic acid

3. Gibberellic acid

4. Citric acid

A. Oxalic acid

B. Abscissic acid

C. Gibberellic acid

D. Citric acid

Answer:



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12. The name of Glucagon secreting cells of Pancreas are:

1. Alpha cell

2. Beta cell

3. Gamma cell

4. Delta cell

A. Alpha cell

B. Beta cell

C. Gama cell

D. Delta cell.

Answer:



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13. Which one of the following digestive juice does not contain any enzyme?

1. Saliva
2. Bile
3. Succus entericus
4. Gastric juice

A. Saliva

B. Bile

C. Succus entericus

D. Gastric juice

Answer:



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14. Which one of the following is an occupational respiratory disorder?

A. Silicosis

B. Embolism

C. Asthma

D. Angina Pectoris.

Answer:



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15. What is hypha?



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16. In which type of plants archegonium is found?



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17. What is active absorption?



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18. What do you mean by hydroponics?



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19. What do you mean by Agranulocyte?



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20. What is Rh factor?



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21. What do you mean by Binomial nomenclature?



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22. Define Taxonomy.



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23. Give the characteristics of Collenchyma tissue.



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24. Give the characteristics of Collenchyma tissue.



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25. Give the characteristics of Yellow elastic connective tissue.



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26. What do you mean by Lactic Acid fermentation?



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27. Define PS-II



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28. Mention any four functions of liver.



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29. What do you mean by Peripheral Nervous System?



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30. Mention any four main characteristics of Bryophytes. Mention one economically important Bryophyte.



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31. Mention any four characteristics features of phylum Mollusca. Write the scientific name of any one animal belonging to this phylum.



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32. Describe any three types of modified underground stem.



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33. Describe different types of epithelial tissue of animals.



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34. Describe with example any three kinds of racemose inflorescences.



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35. Write a short note cytoskeleton.



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36. What do you understand by primary and secondary structure of Proteins?



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37. What do you understand by complex lipid?
Give an example of complex lipid.



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38. Mention BIOsiological funtions of Absicissic acid. Mention one practical application of Ethylene.



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39. Mention the factors affecting seeds dormancy. What is Vernalization.



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40. Write down a function of Cytokinin.



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41. Mention the name of 5th Cranial nerve.

Which type of nerve is this? Mention two main functions of this nerve.



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



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43. What do you mean by Coronary Artery Disease? What is E.C.G?



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44. Briefly distinguish between Prokaryotic and Eukaryotic cell.



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45. Describe briefly the "Fluid Mosaic Model" about the ultrastructure of cell membrane. What do you mean by Glycocalyx?



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46. Describe the K^+ Malate theory related to the opening and closing of stomata.



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47. Represent schematically the reactions of the Krebs ' cycle. Why Krebs' cycle is called an Amphibolic Pathway?



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48. Describe the process of complete digestion of protein in human alimentary system. What is Zymogen?



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49. Mention the role of Insulin in carbohydrate and fat metabolism. What do you mean by Diabetes mellitus and Ketosis?



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