



BIOLOGY

BOOKS - UNITED BOOK HOUSE

QUESTION PAPER 2016 (1)

Example

1. Which of the following two are used for Binomial Nomenclature?

- A. Genus and order
- B. Species and class
- C. Order and species
- D. Genus and species.

Answer:



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2. Tissue responsible of secondary growth in plant is

A. Parenchyma

B. Cambium

C. Xylem

D. Pholem

Answer:



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3. One example of unicellular gland I

A. Mast cell

B. Adipose cell

C. Goblet cell

D. Plasma cell.

Answer:



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4. Which of the following is not a micro or trace element?

A. Zinc

B. Manganese

C. Calcium

D. Boron

Answer:



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5. The number of salivary gland of cockroach I

A. one

B. one pari

C. three

D. three pairs

Answer:



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6. The organelle found both in prokaryotic and eukaryotic cell is

A. Lysosome

B. Golgi body

C. Mitochondria

D. Ribosome

Answer:



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7. The intermediate stage between two meiotic division is called

A. interkinesis

B. Karyolinesis

C. Diakinesis

D. Cytokinesis.

Answer:



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8. The water collected by plants from the soil is

A. hygroscopic

B. capillary

C. gravitational

D. chemical.

Answer:



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9. Active chlorophyll in PS II pigment system is:

1. P_{673}

2. P_{680}

3. P_{700}

4. P_{720}

A. P_{673}

B. P_{680}

C. P_{700}

D. P_{720}

Answer:



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10. What is Phylloclade



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11. Which plant is a short day plant?

A. Maize

B. Wheat

C. Pea

D. Jute

Answer:



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12. Which of the following organs does not secrete any digestive enzyme?

1. Salivary gland

2. Stomach

3. Pancreas

4. Liver

A. Salivary gland

B. Stomach

C. Pancreas

D. Small intestine.

Answer:



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13. The reabsorption of which substance takes place in the descending loop of Henle's loop?

A. Glucose

B. Amino acid

C. Na^+

D. water

Answer:



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14. The longest bone of human body is

A. Humerus

B. Femur

C. Tarsal

D. Sternum.

Answer:



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15. What type of venation is found in the leaf of monocotyledonous plants?



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16. What is sarcomere?



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17. What do you mean by water potential?



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18. What is chyle?



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19. By which device, the pulmonary volume (air) of man is determined?



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20. What is the time period of a cardiac cycle?



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21. Write the names of the two books written by carolus Linnaeus.



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22. What is viroid? Give an example?



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23. Name the proteins presents in the A band and I band of a muscular tissue 21.



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24. State two reasons regarding mitochondria as a semi autonomous organelle.



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25. What is G_0 stage? State an example.



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26. What do you mean by amphibolic pathway?

Give an example of amphibolic pathway.



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27. Mention two functions of oxytocin



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28. What is Addison's disease?



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29. Write the differences between Osteichthyes and Chondrichthyes. Name an animal having pseudo-coelom.



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30. Write three characteristics of Protista.



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31. Classify meristematic tissue as per the plane of cell division.



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32. Give one difference between connective tissue and epithelial tissue.



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33. Write differences between trachea and sieve tube.



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34. Write the characteristics features of prokaryotic cell.



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35. Describe the ultrastructure of nucleus.



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36. Discuss the following properties of enzyme:

Temperature sensibility



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37. Discuss the following properties of enzyme:

pH sensibility



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38. Discuss the following properties of

enzyme:

Substrate concentration



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



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40. Mention the characteristic features of photorespiration.



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41. Write in brief about the role of light, water and hormone in the growth of plants.



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42. HCl is secreted from which part of the digestive tract? Mention one role each of gastrin and secretin in digestion process.



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43. State Fick's principle. What are coronary thrombosis and angina pectoris?



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44. What is Reflex Action? State various components of Simple Reflex Arc.



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45. Describe the Fluid Mosaic Model of cell membrane with diagram.



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46. Write the role of centrosome in cell division in animals.



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47. What do you mean by C_4 cycle? Show C_4 cycle with the help of word digram.



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48. Respresent Krebs cycle with the help of word diagram.



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49. Discuss the factors influencing blood pressure.



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50. Write three differences between Diabetes mellitus and Diabetes insipidus. Which disease affects neuro-muscular junction? What is uremia?



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