



BIOLOGY

BOOKS - UNITED BOOK HOUSE

MODEL PAPER 6

Exercise

1. Which one is not an example of aquatic mammal?

A. Dophins

B. Tortoises

C. Tachyglossus

D. Whales

Answer:



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2. Sound producing organ of peacock is called

A. Vocal cords

B. Syrinx

C. Pharynx

D. Larynx.

Answer:



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3. Which of the following has succulent root?

A. Opuntia

B. Agave

C. Aloe

D. Asparagus

Answer:



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4. Pneumatophores are found

A. In deserts

B. Near river mouths

C. On mountains

D. In grass lands

Answer:



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5. Which of the following is an example of embryonic connective tissue?

A. Wright's jelly

B. Watson's jelly

C. Woman's jelly

D. None of these

Answer:



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6. Source of turgor in plant cell is

A. Air

B. Water

C. Hormone

D. All of these.

Answer:



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7. If there is not net movement of water into a cell from outside medium, the medium is known as

A. Hypertonic

B. Hypotonic

C. Isotonic

D. Non-ionic.

Answer:



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8. In C_4 plants initial CO_2 fixation takes place in the chloroplast of

- A. guard cells
- B. spongy mesophyll
- C. palisade tissue
- D. Bundle sheath

Answer: bundle sheath.



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9. Which one of the following is a growth regulator produced by plants?

A. Naphthalene acetic acid

B. Zeatin

C. 2, 4-dichlorophenoxy acetic acid

D. Benzyl aminopurine.

Answer:



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10. Describe pachytene subphase with diagram.

A. Mitosis

B. Meiosis

C. Growth of cell

D. Development of endosperm.

Answer:



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11. Plant cell lack

A. Centriole

B. Asters

C. Spindle fibres

D. Both 'a' and 'b'

Answer:



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12. Organic nutrients that regulate BIOsiological process by serving as coenzymes are called

A. minerals

B. vitamin

C. amino acids

D. trace elements.

Answer:



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13. The first few centimeters of the duodenum are protected by a thick secretion of mucus from the

A. Pancreatic duct

B. intestinal gland (Crypts of Lieberkuhn)

C. microvilli

D. goblet cells of duodenal (Brunner's) glands.

Answer:



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14. Select the option which correctly identifies them and gives their characteristics and/or functions.

A. 1-adrenal gland - located at the anterior part of kidney. Secrete catecholamines which stimulate glycogen breakdown

- B. 2-medulla-inner zone of kidney and contain complete nephrons
- C. 3-cortex-outer part of kidney and don't contain any part of nephrons
- D. 4-pelvis-broad funnel shaped space inner to hilum. Directly connected to loops of Henle.

Answer:



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15. Give one function of Rhizobium



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16. Name two accessory photosynthetic pigments.



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17. In which of the following organisms Malpighian tubule is found?



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18. Name the area of retina which has brightest vision.



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19. Fill in the blanks:-

HCL is produced in _____.



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20. Name the artery which supplies blood to the heart.



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21. Mention differences between parasite and saprophyte.



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22. Write two viruses with both RNA and DNA.



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23. What do you mean by ommatidia?



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24. What do you mean by co-factor?



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25. What do you mean by endomitosis?



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26. Write two importances of respiration.



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27. What do you mean by active and passive smoking?



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28. What do you mean by minute volume and stroke volume?



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29. Name three basic tissue systems in flowering plants. Give the tissue names under each system.



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30. Name the inflorescence of Arum



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31. Name the inflorescence of Banyan



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32. Name the inflorescence of Paddy



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33. Name the different mouthparts of a cockroach.



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34. Write three features of kingdom fungi.



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35. Write about three types of lichen briefly.



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36. Briefly describe nucleosome model.



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37. State any three function of centriole.



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38. What do you mean by polyribosome.



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39. Write three differences between macro nutrient and micro nutrients.



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40. Write about nitrogen fixation during nitrogen cycle.



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41. Write three differences between aerobic respiration and fermentation.



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42. Describe the briefly the digestion in stomach of human.



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43. Describe the cellular composition of wall of stomach of human alimentary canal.



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44. What do you mean by isotonic & isometric muscle contraction.



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45. What do you mean by rigor mortis?



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46. Why parasympathetic nervous system is called cranio-sacral? State the function of parasympathetic nervous system?



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47. State the differences of sympathetic and parasympathetic nervous system.



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48. 2 difference between cell membrane and cell wall



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49. Define imbibition State its significance.



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50. Mention five differences between prokaryotic & eukaryotic cells.



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