



BIOLOGY

BOOKS - VGS PUBLICATION-BRILLIANT

MODEL PAPER 6

Section A

1. Define Species richness.



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2. Distinguish between a tendon and a ligament.



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3. Distinguish between Osteoblasts and Osteoclasts.



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4. What is the haematocrit value?



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5. What is Aristotle's Lagern? Give one example of an animal possessing it.



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6. Distinguish between milt and spawn.



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7. List out any two differences between a flagellum and a cilium.

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8. Distinguish between Proter and Opisthe.

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9. What do you mean by Parasitic Castration>?

Give one example.



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10. What is meant by osmotrophic nutrition?



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11. What is the basic unit of Classification ?

Define it.



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12. What do the terms Phycobiont and Mycobiont signify?



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13. Name the books written by Parasara and mention the important aspects discussed in those books.



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14. What is meant by Pulvinus Leaf Base? In members of which Angiospermic family do you find them?



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15. What is the meant by Epipetalous condition? Give one example.



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16. What is Geocarpy? Name the plant which exhibits this phenomenon.



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17. What is referred to as Satellite Chromosome?



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18. Starch, Cellulose, Glycogen, Chitin are polysaccharides found among the following. Choose the one appropriate and write against each a. Cotton fibre b. Exoskeleton of Cockroach c. Liver d. Peeled potato.



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19. Hydrophytes show reduced Xylem. Why?



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Section B

1. What are the salient features of the echinoids?



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2. What are the modifications observed in birds that help them in flight?



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3. What are lateral appendages? Based on their presence and absence, write the various types of flagella giving at least one example for each type.



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4. Distinguish between addiction and dependence.



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5. Draw a neat labelled diagram of the salivary apparatus of cockroach.



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6. Give a brief account of Dinoflagellates.



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7. Differentiate between Liverworts and Mosses.



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8. List the changes observed in Angiosperm Flower subsequent to pollination and fertilisation.



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9. Describe the essential floral parts of plants belonging to Liliaceae.



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10. Differentiate between Rough Endoplasmic Reticulum (RER) and Smooth Endoplasmic Reticulum (SER).



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11. Though redundantly described as a resting phase interphase does not really involve rest. Comment.



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12. State the location and function of different types of Meristems.



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13. Write a brief account on classification of Xerophytes.



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1. Describe the life cycle of *Plasmodium vivax* in human with a neat labelled diagram.

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2. Describe the digestive system of cockroach with the help of a neat labelled diagram.

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3. Define Root Modification. Explain how root is modified to perform different functions.



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4. Describe the T.S. of Dicot Stem.



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