

Previous Year Paper

Biology - 2010



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One Word Answers

- Give scientific terms for each of the following The response of an organism to the relative length of day and night. Answer
- 2. Give scientific terms for each of the following Surgical removal of a section of Vas deferens.

Answer

 Give scientific terms for each of the following The act of passing out of urine.

Answer

 Mention the most significant role of each of the following: Schwann cells

Answer

Mention the most significant role of each of the following:
Organ of Corti

Answer

 Mention the most significant role of each of the following: Phellogen

Answer

7. Mention the most significant role of each of the following: Sertoli Cells

Answer

 Mention the most significant role of each of the following: Neutrophils

Answer



Short Answer Type

 Give one significant difference between each of the following: Aggregate fruit and Multiple fruit

Answer

10. Give one significant difference between each of the following:

Amphicribal vascular bundle and Amphivasal vascular bundle.

Biology 11. Give mgeignfigant difference between e



- Open vascular system and closed vascular system. Answer
- Give one significant difference between each of the following: Uricotelism and Ammonotelism.

Answer

13. Give one significant difference between each of the following:

Auxetic growth and Accretionary growth.

Answer

14. Give reason for the following

Most people living in hilly region suffer from goiter.

Answer

15. Give reason for the following

The water-potential of pure water changes when solute is added to it.

Answer

16. Give reason for the following

When we turn round and round, we lose our balance.

Answer

17. Give reason for the following

The spores of Bacillus thringiesis are used as bioinsecticide.

Answer

18. Give reason for the following

Owls have better night vision than day vision.

Answer

19. Give scientific terms for each of the following

Adjustment of the eye in order to obtain a clear vision of objects at different distances.

- Answer
- 20. Give scientific terms for each of the followingA device to measure growth in length of a plant.

Answer

21. Give scientific terms for each of the following The formation of blood cells in the bone marrow.

Answer

- 22. State the best known contribution of:
 - (i) Nawaschin (ii) John Otto
 - (iii) Went (iv) T.R. Malthu

Answer

23. f) Expand the following:

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24. (a) Study Assignments Solved Previous Year Papers of Questions and Answers. Free Forever.

- (b) List three differences between micronutrients and macronutrients of plants.
- (c) Describe the significance of osmosis in plants.

Answer

Answer



Long Answer Type

- 25. (a) Describe the cohesion and transpiration pull theory of ascent of sap.
 - (b) Explain the sequence of events between pollination and fertilisation in plants.
 - (c) State and explain Blackman's Law of Limiting Factors.

Answer

- 26. (a) Write two functions each of:
 - (i) Amniotic fluid (ii) Human placenta
 - (b) Briefly explain the procedure followed for haemodialysis.
 - (c) Explain the origin and conduction of heart beat in man.

Answer

- 27. a) What is reflex action? Draw neat labeled diagram of reflex arc.
 - (b) Mention a cause and symptom of each:
 - (i) Osteoporosis (ii) Constipation.
 - (iii) Asthma (iv) Tetany
 - (c) Write four functions of the human skeletal system.

Answer

- 28. (a) Explain the effects of gibberellins on plants.
 - (b) Describe the mechanism of pulmonary gaseous exchange.
 - (c) Mention the site of secretion and function of the following hormones:
 - (i) Choleystokinin (ii) Oxytocin
 - (iii) Insulin

Answer

- 29. (a) Describe the procedure of hybirdisation in plants.
 - (b) Name the causative agent and the main preventive measure for each of the following diseases:
 - (i) Amoebiasis
 - (ii) Rabies
 - (iii) Pneumonia
 - (c) What is manure? Explain any two types of manures.

Answe

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(b) Explain the resistance of mosquitoes to pesticides such as DbT

(c) What is the importance of previous year Papers. Questions and Answers. Free Forever.

Answer

- 31. (a) Explain the basic postulates of Darwinism.
 - (b) What is genetic erosion? State any two factors responsible for it.
 - (c) What is meant by biotic potential?

Answer

- 32. (a) Explain the origin of bread wheat (Triticum aestivum)
 - (b) Write two differences between;
 - (i) B cells and T cells (ii) Antibiotics and Interferons
 - (c) Define organ transplantation. Mention a precaution which must be taken for this procedure.

Answer