



www.zigya.com

Previous Year Paper

Biology - 2008



Short Answer Type

1. Mention one significant difference between each of the following :

Anticlinal and Periclinal cell division

[Answer](#)

2. Mention one significant difference between each of the following :

Ureotelism and Uricotelism

[Answer](#)

3. Mention one significant difference between each of the following :

Tubectomy and Vasectomy

[Answer](#)

4. (a) Mention one significant difference between each of the following :

Photo-oxidation and Photorespiration

[Answer](#)

5. Mention one significant difference between each of the following :

Ontogeny and Phylogeny

[Answer](#)

6. Explain why :

Salt is added in excess to pickles.

[Answer](#)

7. Explain why :

A large percentage of carbon dioxide forms carbonic acid within the RBCs whereas very little carbon dioxide forms carbonic acid in the plasma.

[Answer](#)

8. The blind spot in the eye is devoid of the ability of vision.

Explain Why?

[Answer](#)

9. State the contribution of each of the following scientists :

Blackman

[Answer](#)

-
10. State the contribution of each of the following scientists :
Like. Share. Bookmark. Download. Make Notes. Print - Your Favourite Questions. Join www.zigya.com

Answer

Study Assignments, Solved Previous Year Papers, Questions and Answers. Free Forever.

11. State the contribution of each of the following scientists :

Hansen

Answer

12. State the contribution of each of the following scientists :

T.R. Malthus.

Answer

13. Give the exact location and function of the following :

Passage cells

Answer

14. Give the exact location and function of the following :

Grana

Answer

15. Give the exact location and function of the following :

Epiglottis

Answer

16. Give the exact location and function of the following :

Parotid gland

Answer

17. Give the exact location and function of the following :

Embryo sac.

Answer

18. Answer the following :

Mention the site of formation of glyoxylate from glycolate in photorespiration.

Answer

19. Answer the following :

Which protein binds Ca^{2+} that is released from the sarcoplasmic reticulum?

Answer

20. Answer the following :

What is Apical Dominance ?

Answer

21. Answer the following :

What is the cause of sickle-celled anaemia?

Answer

22. Answer the following :

Why does blood not clot in blood vessels?

Answer

Like. Share. Bookmark. Download. Make Notes. Print - Your Favourite Questions. Join www.zigya.com

G-6PD

[Answer](#) Study, Assignments, Solved Previous Year Papers . Questions and Answers. Free Forever.

24. Elaborate the following :

CT-Scan

[Answer](#)

25. Elaborate the following :

VAM

[Answer](#)

26. Elaborate the following :

ADH

[Answer](#)

27. Elaborate the following :

DPD

[Answer](#)28. Give four differences between Meristematic and Permanent tissues. [Answer](#)29. Enlist four physiological effects of gibberellins. [Answer](#)

30. Define the following :

Water Potential

[Answer](#)

31. Define the following :

Osmosis

[Answer](#)

32. Define the following :

Plasmolysis

[Answer](#)

33. Define the following :

Turgor Pressure.

[Answer](#)34. Describe the flow of blood through the heart during different phases of the cardiac cycle. [Answer](#)

35. Mention the site of secretion and function of the following :

Prolactin

[Answer](#)

36. Mention the site of secretion and function of the following :

Parathormone

[Answer](#)

37. Mention the site of secretion and function of the following :

Glucagon

[Answer](#) Like. Share. Bookmark. Download. Make Notes. Print - Your Favourite Questions. Join www.zigya.com

38. Mention the sites of secretion and function of the following :

Testosterone.

[Answer](#) Study, Assignments, Solved Previous Year Papers . Questions and Answers. Free Forever.

39. Give two differences between conditioned reflex and simple reflex. [Answer](#)

40. Give one function and one deficiency symptom of the following :

Zinc

[Answer](#)

41. Give one function and one deficiency symptom of the following :

Magnesium

[Answer](#)

42. Give one function and one deficiency symptom of the following :

Sulphur

[Answer](#)

43. Give one function and one deficiency symptom of the following :

Molybdenum

[Answer](#)

44. Define the following:

(i) Parthenocarpy

(ii) Root Pressure.

[Answer](#)

45. Draw a labelled diagram of the longitudinal section of the human kidney. [Answer](#)

46. Briefly describe the events that occur during the luteal phase of the menstrual cycle. [Answer](#)

47. Define:

(i) Peristalsis

(ii) Multiple fruits

[Answer](#)

48. Explain the elongation of giraffe's neck according to the theories of Lamarck and Darwin.

[Answer](#)

49. Define:

(i) Reproductive Isolation

(ii) Homologous Organs.

[Answer](#)

50. Enlist the basic modes of transmission of AIDS. [Answer](#)

51. Give the disadvantages of pesticides. [Answer](#)

52. What is Prosthesis ? [Answer](#)

53. Differentiate between Apes and Man with respect to the following characteristics :

(i) Posture (ii) Cranium

(iii) Brow ridges (iv) Locomotion

[Answer](#) Like. Share. Bookmark. Download. Make Notes. Print - Your Favourite Questions. Join www.zigya.com

55. Explain

(i) Coacervates

(ii) Geological Time Scale.

[Answer](#)

56. What are the main objectives of plant breeding ? [Answer](#)57. What is Biotic Potential ? [Answer](#)

Long Answer Type

58. Give a schematic representation of the Hatch-Slack (C_4) cycle. [Answer](#)59. Describe the saltatory conduction of nerve impulses. [Answer](#)60. Define growth. Give an account of the growth curve in plants. [Answer](#)61. Give four differences between red muscle fibre and white muscle fibre. [Answer](#)62. Give an account of the Miller and Urey experiment on the origin of life. [Answer](#)63. Give a brief account of genetic engineering. [Answer](#)