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Previous Year Paper

Biology - 2017

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Multiple Choice Questions

1. Monadelphous Stamens are those which:
- A. united into more than two bundles
 - B. united into two bundles
 - C. united into one bundle
 - D. united into one bundle

Answer

2. Determination of skin colour is an example of:
- A. Co-dominance
 - B. polygenic inheritance
 - C. incomplete dominance
 - D. incomplete dominance

Answer

3. 'Bt' cotton is resistant to:
- A. insects
 - B. Draught
 - C. salt
 - D. salt

Answer

4. Haemophilia is a
- A. Y linked disorder
 - B. Autosomal sex disorder
 - C. X linked disorder
 - D. X linked disorder

Answer



Short Answer Type

5. What are vestigial organs?

Answer

6. Define root pressure.

Answer

7. What is incomplete dominance?

Answer

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[Answer](#)

9. Give a scientific term :
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Maximum number of individuals that an environment can support.

[Answer](#)

10. Give a scientific term:

Exhibition of superiority of the hybrid over both of its parents

[Answer](#)

11. give a scientific term:

Functional unit of gene

[Answer](#)

12. Give a scientific term:

The development of an embryo without the occurrence of fertilization.

[Answer](#)

13. SCP

[Answer](#)

14. ZIFT

[Answer](#)

15. IPM

[Answer](#)

16. PGA

[Answer](#)

17. Name the scientist who is associated with the following:

Reverse Transcription

[Answer](#)

18. Name the scientist who is associated with the following:

DNA Fingerprinting

[Answer](#)

19. Name the scientist who is associated with the following:

Mutation

[Answer](#)

20. Name the scientist who is associated with the following:

Mass Flow Hypothesis

[Answer](#)

21. State three similarities between Australopithecus and aApes

[Answer](#)

22. Define Genetic Drift

[Answer](#)

23. What is abiogenesis?

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24. Give an account of the different types of natural selection.

[Answer](#)

25. Define Neo-Darwinism.

[Answer](#)

26. What are coacervates?

[Answer](#)

27. Give four anatomical differences between a dicot and monocot root.

[Answer](#)

28. State the importance of water to plants.

[Answer](#)

29. Differentiate between:

Absorption Spectrum and Action Spectrum

[Answer](#)

30. Differentiate between:

Racemose and cymose inflorescence

[Answer](#)

31. Give an account of the follicular phase of the menstrual cycle.

[Answer](#)

32. Explain the process of spermatogenesis.

[Answer](#)

33. Define Implantation.

[Answer](#)

34. Define Capacitation.

[Answer](#)

35. What is biodiversity? Mention the implications of the loss of biodiversity.

[Answer](#)

36. Give any four causes of cancer.

[Answer](#)

37. Mention the causative agent and the preventive measures for the following:

Dengue

[Answer](#)

38. Mention the causative agent and the preventive measures for the following:

Amoebiasis

[Answer](#)

39. Briefly discuss the reasons for addiction to alcohol.

[Answer](#)

40. Explain sex determination in bees.

[Answer](#)

41. What is biofortification? What role does it play in improving food production?

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