



# BIOLOGY

## BOOKS - UNITED BOOK HOUSE

### MP\_12 QUESTION PAPER

#### Exercise

1. State two characteristic of amemophilous flower.



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2. What is fallopian tube? Write its function.



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3. What is in-situ conservation? Give an example.



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4. Write two differences between complete linkage and incomplete linkage.



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5. What is Barr body?



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6. Name two beneficial uses of biogas.



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7. What is Bio-piracy? Name a fungal disease in case of fish.



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8. Differentiate between habitat and niche.



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**9.** What is amniocentesis? What are its significance?



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**10.** What is hybridization? Mention the ways by which emasculation is done.



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**11.** Write down the significance of micropropagation. What is SCP?



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**12.** Mention any three properties of Genetic code.



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**13.** What is the scientific name of Rock bee.  
Give the method of sexdetermination in  
honey-bee.



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**14.** Write any name of a disease of foul with  
symptoms and remedies.



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**15.** Write down the role of 'Restriction Endonuclease' in biotechnology?



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**16.** What is monoclonal Antibody? Differences between T-Lymphocytes and B-Lymphocytes.



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**17.** Define plasmid clonal vector. Thalassemia occurs through which type of gene mutation?



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**18.** Mention the role of Gene-flow in evolution. Mention two main characteristics of genetic drift.



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**19.** Describe the initiation phase of DNA Replication.



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**20.** Mention three types of RNA and their functions.



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**21.** What do you mean by aggressive mimicry and protective mimicry?



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**22.** What is productivity?



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**23.** Describe the different stages of ecological succession.



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24. What is spermatogenesis? Describe the process of spermatogenesis?



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25. What are Sertoli cell and mention its function.



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**26.** Give evidences in favour of chromosomal theory of inheritance. What is DNA packaging?



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**27.** Describe the experiment of Avery and his co-workers to prove DNA as the genetic material. What are Lac-operon and HGP?



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**28.** What is biological magnification? Write two effects of radio-active pollution on human health.



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**29.** Reproduction through conidia occurs in -

A. Pencillium

B. Agaricus

C. Mucor

D. Rhizopus

**Answer:**



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**30.** Cross pollination occurs within the same species of different plant is known as -

A. 1. Autogamy

B. 2. Geitonogamy

C. 3. Xenogamy

D. 4.Hybridism.

**Answer:**



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**31.** Ancient ancestor of modern man is -

A. Ramapithecus

B. Dryopithecus

C. Australopithecus

D. Sivapithecus



**Answer:**



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**32. Corpus luteum secretes -**

A. LH

B. FSH

C. Estrogen

D. Progesterone

**Answer:**



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**33.** VAM is an

- A. Ectomycorrhiza
- B. Endomycorrhiza
- C. Ectendomycorrhiza
- D. All of these

**Answer:**



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34. Which one is not a green house gas -

A. 1.CFC

B. 2. $CO_2$

C. 3. $NH_3$

D. 4. $H_2$

**Answer:**



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**35.** Exception to Mendelian principle is/are -

A. 1.codominance

B. 2.Linkage

C. 3.incomplete dominance

D. 4.All of these

**Answer:**



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**36.** The infective stage of Plasmodium sp for human is -

A. merozoite

B. sporozoite

C. hypnozoite

D. ookinete

**Answer:**



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**37.** Which is the first national park in India?

A. 1. Corbett

B. 2. Bandipur

C. 3. Kanha

D. 4. Periyar.

**Answer:**



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**38.** Pyramid that is never inverted -

A. Energy

B. Mass

C. Number

D. Size

**Answer:**



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**39.** Golden rice is rich in -

A. 1.Vitamin B

B. 2.Vitamin A

C. 3.Both A & B

D. 4.None of these

**Answer:**



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**40.** Which one is a chromosomal aberration? -

A. 1.Monoploidy

B. 2.Inversion



C. 3.Tetrasomy

D. 4.Double trisomy.

**Answer:**



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**41. Antiviral antibodies as -**

A. Lymphokines

B. Interferon

C. Antibody

D. Antitoxin

**Answer:**



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**42.** The codon AUG is -

A. 1.Ochre

B. 2.Initiation codon

C. 3.Amber

D. 4.Termination codon

**Answer:**



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**43.** Name the organism responsible for Filaria disease.



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**44.** What is Apomixis ?



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**45.** From where H.C.S. is secreted?



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**46.** What is biosphere reserve? Give one example.



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**47.** What do you mean by Holandric gene?



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**48.** Define totipotency.



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