



# BIOLOGY

## BOOKS - UNITED BOOK HOUSE

### MP\_04 QUESTION PAPER

#### Exercise

1. Which metals are present in automobile smoke?

A. Pb Zn

B. Pb, Cu

C. Al, Cu

D. Pb, Hg.

**Answer:**



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2. Ex-situ conservation is done through -

A. National Park

B. Zoo

C. Sanctuary

D. Biosphere reserve

**Answer:**



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**3. Biomass is much more in -**

A. Tropical rain forest

B. Taiga forest

C. Cold forest

D. Alpine forest.

**Answer:**



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**4. Which enzyme helps to join vector DNA and derived DNA fragment ?**

A. Transformed

B. Transduced

C. Transgenic

D. Cloned.

**Answer:**



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5. Taq polymerase enzyme is used in -

A. PCR

B. Gene cloning

C. Restriction mapping

## D. Electrophoresis

**Answer:**



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**6. Cephalosporin antibiotic is developed from -**

A. Streptomyces

B. Fungi

C. Bacillus

D. Algae.

**Answer:**



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7. Bt gen is -

A. Trp

B. Cry

C. trp

D. dry

**Answer:**



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8. Which is not the feature of human being?

- A. Art skill
- B. 900 cc cranium cavity
- C. Erect body
- D. Distinct eyebrow.

**Answer:**



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9. Which one is not correct statement?

A. Thyroxin - Adrenal

B. Rous sarcoma - Reverse transcriptase

C. Flame cell - Flat worm.

D. Ligase-broken DNA

**Answer:**



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10. Barr body is present in -

- A. Prophase cell of female mammals
- B. Prophase cell of male mammals
- C. Interphase cell of male mammals
- D. Interphase of female mammalian cell

**Answer:**



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11. Which one is used for infertility?

A. IUDCB

B. Diaphragm

C. Tubectomy

D. loop

**Answer:**



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12. Cross pollination is -

- A. Autogamy
- B. Chalasmogamy
- C. Cleistogamy
- D. Allogamy

**Answer:**



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13. Number of nucleus in the embryosaс is generally \_\_\_ in number .

A. 8

B. 12

C. 24

D. 6

**Answer:**



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**14. Define : Haploid Parthenogenesis.**



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**15. Write the function of leyding cell.**



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**16. What do you mean by homogametic sex?**



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17. What is macrophage?



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18. What is carcinogen?



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19. Where reservoir pool of phosphorus is situated in nature?



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**20.** What do you mean by Gross Primary Production (GPP) & Net Primary Production (NPP).



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**21.** Define biodegradable pollutant. Give example.



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**22.** What do you mean by biosafety & biopiracy?



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**23.** What is Breeder's Kit?



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**24.** Name one bacterial and one protozoan disease of fish.



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**25.** Write the main feature of *Homo erectus* & *Homo sapiens sapiens*



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**26.** Write two advantages of DNA fingerprinting technique.



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27. What is IUCD?



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28. What is capacitation? Write the origin & functions of Relaxin hormone.



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29. During pregnancy period, name two hormones secreted. Write one function of

each.



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**30.** Explain incomplete dominance with the help of an experiment and chequre board.



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**31.** Write the role of fossil in evolution.



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**32.** Write the main differences between Lamarckism and Darwinism.



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**33.** Write any three types of malaria with their causative agents.



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**34.** Write three importances of plant breeding.



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**35.** Define poultry.



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**36.** Briefly describe how emasculation is done in human.



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**37.** Write a short note on symbiotic nitrogen fixation.



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**38.** Show in a schematic diagram how artificial insulin is synthesized with the help of biotechnology.



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**39.** Write three differences between Producer & Decomposer.



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**40.** Explain about the primary zones of a pond-water depending upon the light penetration.



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**41.** Define energy flow. Explain energy flow in an ideal ecosystem.



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**42.** Write about the significance of Chipko & Silent valley movement.



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**43.** What is mutation? Write the role of Recombination in evolution.



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**44.** Describe about the matured graafian follicle with a diagram.



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**45.** What do you mean by multiple fission?

Explain different types of binary fission with example.



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**S**

**1.** Hardy Weinberg Principles explain about -

A. Genetic code

B. Genetic drift

C. Genetic equilibrium

D. Genetic compatibility.

**Answer:**



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