



# BIOLOGY

## BOOKS - UNITED BOOK HOUSE

### MP\_09 QUESTION PAPER

#### Exercise

1. Due to combustion, which gas is produced and creates pollution?

A.  $NO_3$

B.  $SO_2$

C.  $NO_2$

D.  $N_2O$

**Answer:**



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2. Which one has dissolving capacity in blood greater than oxygen?

A. 1. $N_2O$

B. 2. $O_3$

C. 3.CO

D. 4. $SO_2$

**Answer:**



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**3. Lichen is most sensitive in -**

A. Air Pollution

B. Nuclear Pollution

C. Sound Pollution

D. Water Pollution.

**Answer:**



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4. Which bacteria is used in the production of vit.  $B_{12}$

A. *Bacillus megathenium*

B. *Propionibacterium freudenreichii*

C. *Streptomyces olivaceus*

D. all the above.

**Answer:**



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5. Bacterial population is controlled after application of Penicillin, because -

A. Chromatin destruction

B. Prevention of cell wall production

C. Prevent DNA synthesis

D. Prevent RNA synthesis

**Answer:**



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**6.** In the industrial process, which one is used for ethanol from starch?

A. Saccharomyces

B. Azotobacter

C. Lactobacillus

D. Penicilium

**Answer:**



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7. The origin of new species & genus is known

as -

A. Megaevolution

B. Macroevolution

C. Microevolution

D. coevolution.

**Answer:**



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**8.** In which case, Homo erectus is different from modern man -

A. To make machine



B. Large jaws

C. To draw art

D. Small jaws.

**Answer:**



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9. In which period, Archyopteryx was appeared?

A. Cretaceous

B. Permean

C. Triassic

D. Jurassic

**Answer:**



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**10.** Wings of bird and forelimbs of horse denote -

A. Vestigea organ

B. Homologous orgsn

C. Analogous organ

D. Inactive organ.

**Answer:**



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**11. Which code denotes only one amino acid?**

A. Codon

B. Intron

C. Exon

D. Cistron

**Answer:**



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**12.** Tunica albuginea is related with -

A. Liver

B. Spleen

C. Lung

## D. Testes

**Answer:**



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**13. Which one is Haploid?**

- A. Sperm mother cell
- B. Germinal epithelial cell
- C. Secondary spermatocyte
- D. Primary spermatocyte

**Answer:**



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**14.** Hormone secreted from graafian follicle in ovary is -

A. Cortisol

B. Oestrogen

C. LH

D. Progesterone.

**Answer:**



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**15. What is Apocarpous and gynandrous?**



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**16. What is neoteny?**



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**17. Define : Recon & Cistron.**



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**18. What is bee wax?**



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**19. Cadmium pollution causes - disease.**



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20. What do you mean by solid waste?



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21. What do you mean by ozone hole?



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22. Write the role of gene pool in biodiversity.



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**23.** Name two artificial chromosomal vectors.



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**24.** Write the purposes of hybridization.



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**25.** Define emasculation.



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**26. Who are cro-magnon men?**



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**27. Write one difference between somatic & blastogenic variation.**



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**28. Write the full name of IUD & IVF.**



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**29.** Write three differences between cross and self pollination.



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**30.** Define true fruit and false fruit with example.



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**31.** State the function of mRNA and rRNA.



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**32.** Write the main features of plants & animals of mesozoic era of geological time scale.



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**33.** Define Darwinism. What do you mean by Natural Selection?



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**34.** What do you mean by Alcoholism? Write its short term & long term effects.



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**35.** Write three differences between Acquired and Innate immunity.



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**36.** Describe the structure of  $I_gG$  with a schematic diagram.



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**37.** Show a word diagram of the life cycle of malarial parasite in mosquito body.



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**38.** Write three differences between genomic DNA & cDNA.



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**39.** Define transgenesis. Write about the micro injection process required for transgenesis.



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**40.** Write the principle of ELISA & RIA.





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**41.** Define food pyramid? Describe different types of food pyramids with schematic diagram.



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**42.** What do you mean by Autecology and Synecology.



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**43.** Explain 'S' shaped growth curve of a population.



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**44.** Define Hotspot of biodiversity. Write the causes & ways of conservation of biodiversity.



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**45.** Describe about the DNA replication in prokaryotic cell.



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**46.** Describe in brief about the embryo of a Dicot plant with a diagram.



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