



# BIOLOGY

## BOOKS - SHARAM PUBLICATION

### SOLVED PAPER 4

#### Exercise

1. The planktonic forms of plants are

A. autotrophs

B. heterotrophs

C. chemotrophs

D. insectivorous types

**Answer:**



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2. \_\_\_\_\_ coined the term "biodiversity" in 1985.

A. Edward

B. Wilson

C. Rosen

D. Williams

**Answer:**



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**3.** Correct the statements if required, by changing the underlined portions only  
Linnaeus is called the father of genetics.

A. Darwin

B. Mendel

C. Morgan

D. De Vries

**Answer:**



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**4. Fill in the blanks:**

Predominant component of biogas is \_\_\_\_\_.

A.  $CO_2$

B.  $CH_4$

C.  $O_2$

D.  $H_2O$

**Answer:**



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5. In \_\_\_\_\_ one is always killed

A. Saprophytism

B. Parasitism

C. Predation

D. Symbiosis

**Answer:**



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**6. Fill in the blanks:**

\_\_\_\_\_ is the major water pollutant from farm run off and bathroom water.



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7. Fill in the blanks:

\_\_\_\_\_ and \_\_\_\_\_ are the two biodiversity rich zones of India.



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8. Fill in the blanks:

In a food chain, producers form the \_\_\_\_\_ trophic level.



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**9.** Give one words:

A plant that propagates by means of leaf.



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**10.** The point of attachment of Ovule is called



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**11. Write note on:**

Embryo



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**12. Write note on**

Packaging DNA.



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**13. Write note on:**

Hybridization



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**14. Write note on:**

Biofertilizers.



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**15.** Write note on :

Parasitism.



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**16.** Write a short note on Mendel's principle of dominance



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**17. Differentiate between :**

Back cross and Test cross



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**18. Differentiate between**

Aerosol & Smog



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**19.** Describe the development of male gametophyte in angiosperms.



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**20.** Describe the double helical structure of DNA.



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**21.** Give an account of the compounds of ecosystem.



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**22.** Describe Mendel's monohybrid cross experiments and state the laws of inheritance?



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**23.** Genes involved in cancer are

A. Suppressor gene

B. Oncogene

C. Complementary gene

D. Regulator gene

**Answer:**



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**24. Which is a fertility treatment for men?**

A. Intra-uterine insemination

B. Assisted hatching

C. Erectile dysfunction

D. In-vitro fertilisation

**Answer:**



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**25.** Acrosome of spermatozoa is formed from :

A. Mitochondria

B. Golgi body



C. Ribosome

D. Lysosome

**Answer:**



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**26. FILL UP THE BLANKS :** The process by which the unfertilized egg develops into a complete embryo is called \_\_\_\_.



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**27.** The failure of testes into scrotal sacs is called as?



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**28.** Fill in the blank

Cerebral malaria is caused by \_\_\_\_\_



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**29.** Fill up the blank

Artificial breeding of major carps is called \_\_\_\_\_



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**30.** Fill up the blanks with correct answer :

Monoclonal antibodies are synthesized by a hybrid cell called \_\_\_\_ .



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### 31. Fill up the blank

The main architect of green revolution in India is \_\_\_\_\_



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### 32. Fill up the blank

The Y-linked sex inheritance is \_\_\_\_\_



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**33.** What is dairy forming?



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**34.** What is polyculture?



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**35.** What is aquaculture?



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**36.** What is the cause of alcoholism?



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**37.** Explain, what is puberty?



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**38.** What is the function of insulin.



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**39.** What is Vaccination and Immunisation ?



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**40.** Differentiate between the following  
Neurosis and Psychosis.



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**41.** Differentiate between the following

Primary Spermatocyte and secondary

Spermatocyte.



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**42.** Give an account of the human male reproductive system.



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**43.** Describe briefly recombinant DNA technology.



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**44.** Explain chromosomal theory of sex determination.



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**45.** Write a note on seminiferous tubules.



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**46.** Write short notes on : Implantation



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**47.** Write note on sexually transmitted diseases.



**Watch Video Solution**

**48.** Write note on  
Pneumonia.



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