



# BIOLOGY

## BOOKS - UNITED BOOK HOUSE

### MP\_11 QUESTION PAPER

#### Exercise

1. What do you mean central dogma?



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2. What is syngamy?



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3. What is vesectomy?



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4. Define ecological succession.



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5. What is eutrophication?



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6. What do you mean by metastasis?



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7. What is gene therapy?



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**8.** Mention the essential elements required for genetic engineering.



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**9.** Write three differences between cell mediated and humoral immunity.



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**10.** Name pathogen causing amoebiasis.

State the transmission process of this disease.



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**11.** What is biofortification? What do you mean

by SCP? State its importance.



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**12.** State incomplete dominance with a suitable example.



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**13.** A colourblind male marries a carrier female. Experimentally show the possibility of colourblindness among the children.



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**14.** State the structure of 'DNA double helix.



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**15.** State briefly the concept of LAC operon.



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**16.** Write the differences between Xenogamy and geitonogamy. Give an example of Malacophily.



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**17.** Write the role of biotechnology in human insulin production.



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**18.** Mention some applications of biotechnology in modern times.



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**19.** What do you mean by biopiracy? What is biopetent?



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**20.** What is biofertilizer? Write the importance of VAM.



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



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**22.** Name the different types of foodchain and give example of each type.



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**23.** Write the features of Halophytic adaptation.



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**24.** Define spermatogenesis. Briefly describe the histological structure of testes of human with a neat diagram.



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**25.** Define double fertilization. Describe fertilization process of flowering plant with a diagram.



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**26.** Explain DNA as a genetic material with the help of Harshey and Chase experiment.



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**27.** State about the initial phase of DNA replication. Define Okazaki fragments.



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**28.** State briefly the affect of green house gases on environment. Write the causes of depletion of ozone layer in atmosphere.



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**29.** Write the name of any two 'Hot Spots' in -  
India.



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**30.** Coacervate is-

A. membranous protein molecule

B. compound made up of carbohydrate and  
fat

C. Colloid material

D. Combination of carbohydrate, protein and fat.

**Answer:**



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**31. Bt cotton is -**

A. 1.clone plant

B. 2.hybrid plant

C. 3.mutated plant

D. 3.transgenic plant

**Answer:**



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**32. Main cause of ozone layer depletion-**

A. 1.Smog

B. 2. $SO_2$

C. 3.CFC

D. 4. $CO_2$



**Answer:**



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**33. Copper-T prevents -**

A. 1.ovulation

B. 2.Implantation of embryo

C. 3.fertilization of ovum

D. 4.(b) & (c) both.

**Answer:**



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34. Which of the following is not under the process of emasculation in plant -

- A. Forcep method
- B. Bagging
- C. Hot water treatment
- D. Alcohol method

**Answer:**



35. \_\_\_\_\_ have symbiotic relation with Azolla -

- A. 1.Nostoc
- B. 2.Astro bacter
- C. 3.Rhizobium
- D. 4.Anabaena

**Answer:**



**36.** Which of the following is not a correct pair ?

A. 1.Bulbil-Dioscorea

B. 2.Tuber-arum

C. 3.Tuber-Potato

D. 4.Rhizome-Ginger

**Answer:**



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**37.** Trisomy of 21st chromosome in human causes -

- A. 1. Down's syndrome
- B. 2. Klinefelter syndrome
- C. 3. Turner syndrome
- D. 4. Cri-du-chat syndrome.

**Answer:**



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**38.** HCG released from -

A. Testes

B. Ovary

C. Placenta

D. mammary gland.

**Answer:**



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**39.** NODOC' present in which RNA ?

A. mRNA

B. rRNA

C. tRNA

D. no one.

**Answer:**



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**40.** Which is not related with wild life conservation

A. WWF

B. IVF

C. IBWL

D. IUCN

**Answer:**



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**41. Molecular scissor used genetic engineering**

is -



A. DNA ligase

B. DNA polymerase

C. Restriction endonuclease

D. Helicase

**Answer:**



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**42.** Sewall wright effect' is related with

A. genetic drift

B. isolation

C. genepool

D. geneflow

**Answer:**



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**43.** Which of the followings is not in-situ conservation? -

A. National Park

B. Biosphere Reserve

C. Cryopreservation

D. Sanctuary.

**Answer:**



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**44.** What is colostrum?



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**45.** Give example of living organism where conjugation is seen.



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**46.** What do you mean by key stone species.



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**47.** Which histone protein is attached with linker DNA of nucleosome.



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**48.** What is deuterostome?



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**49.** Write one American breed of fowl.



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**50.** Which cell is firstly destroyed by HIV in case of AIDS.



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