



# BIOLOGY

## BOOKS - CHETANA BIOLOGY (MARATHI ENGLISH)

### Unit Test 2

#### Exercise

1. Which of the following is dominant phase in pteridophytes?

A. Capsule

B. Embryo

C. Gametophyte

D. Sporophyte

**Answer:**



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2. Replication of DNA takes place in.....stage.

A.  $G_1$

B.  $G_2$

C. M

D. S

**Answer:**



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**3. Lysosomes are not helpful in**

A. Osteogenesis

B. Cellular digestion

C. Metamorphosis

D. Lipogenesis

**Answer:**



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4. Amino acids in a polypeptide are joined by.....bond.

A. Disulphide

B. Glycosidic

C. Hydrogen

D. None of these

**Answer:**



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5. How many meiotic divisions are necessary for formation of 80 sperms?

A. 80

B. 40

C. 20

D. 10

**Answer:**



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**6. Mesophyll tissue is present in..... .**

A. flower

B. leaf

C. root

D. stem

**Answer:**



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7. Haemoglobin is a type of.....protein,  
which plays indispensable part in respiration.

A. simple

B. derived

C. conjugated

D. complex

**Answer:**



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**8. Explain the term: Endarch**



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**9. Distinguish between anaphase-I & anaphase-II.**





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**10. Explain secondary metabolites.**



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**11. State the other name of lateral meristem.**



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**12. State the role of mitosis.**



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**13.** Mitochondria are power house of cell.

Given reason.



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**14.** Write a short note on key.



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**15.** Enlist the salient features of Gymnosperms citing example.



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**16.** Describe the structure of Phloem.



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**17.** Give the significance of binomial nomenclature.



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**18.** Describe the ultrastructure of a chloroplast.



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**19.** Distinguish between smooth and rough endoplasmic reticulum.



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20. Write a short note on metaphase.



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21. Explain briefly the animal body plan with the help of suitable example.



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22. Explain briefly the structure of t-RNA with suitable diagram.





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**23.** Define vascular bundle. Describe the different types of vascular bundles.



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**24.** Describe Prophase-I of Meiosis-I with suitable diagrams.



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**25.** Describe the structure of DNA molecule as proposed by Watson and Crick.



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**26.** Explain the classification of meristems on the basis of origin and development.



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