



# BIOLOGY

## BOOKS - JBD PUBLICATION

### Model test Paper 9

#### Exercise

1. What are Cyanobacteria?



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2. Define pomology.



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3. Define Callus.



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4. What is Micturition ?



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## 5. State True or False

Gastric juice contains HCL, two proenzymes pepsinogen and prorennin



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## 6. Fill in the blank

Cell division in prokaryotes is by .....



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7. In a fully Turgid cell .....is zero.

A. DPD

B. OP

C. WP

D. TP

**Answer:**



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**8.** State yes or no

Arrangement of flower on an axis is called -  
Anthotaxy.



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**9.** Mention three aims of a zoological park.



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**10.** Differentiate between tendons and ligaments.



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**11.** Define the cell cycle and illustrate with sketch only.



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**12.** Why does anaerobic respiration produce less energy than aerobic respiration?



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**13.** What would happen if HCl were not secreted in the stomach?



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**14.** Write central dogma of molecular biology.



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**15.** What are essential and non-essential amino acids ? Give two examples of each type.



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**16.** Explain why photosynthesis is considered the most important process in the biosphere.



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**17.** What is mycorrhiza?



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**18.** Discuss green algae as ancestors of land plants.



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**19.** Differentiate frog and toad.



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**20.** Define meristematic tissue. Write two characteristics.



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**21.** Why DNA is a primary genetic material?



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**22.** What are the differences between chemosynthesis and photosynthesis?



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**23.** Draw labelled diagram of L.S. of kidney.



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**24.** Draw diagram to show the difference between right lung and left lung.



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**25.** What are the functions of mitochondria?



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**26.** Explain external and internal factors affecting the rate of transpiration.



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27. How Mineral fertility can be restored ?



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28. Describe excretory organs in man with diagram.



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29. What is arthritis? Give its types and how these are caused?



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**30.** Differentiate between prokaryotic and eukaryotic cells.



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**31.** Describe lock and key theory of enzyme action.



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