



# BIOLOGY

## BOOKS - JBD PUBLICATION

### Model test Paper 11

#### Exercise

1. What is homeostasis?



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2. What is heterophylly?



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3. What is significance of cyclosis?



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4. What is artificial pacemaker?



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## 5. State True or False

Hydroponics is growth of plants in soil:



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## 6. Fill in the blank

.....Phyllotaxy is found in Nerium.



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## 7. Bacterial cell membrane contains:

A. cellulose

B. chitin

C. muramic acid

D. proteina and phospholipids

**Answer:**



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**8. State yes or no**

Gastric Juice has pH of nearly 2.



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**9.** What are Algal blooms?

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**10.** What are pneumatophores?

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**11.** Differentiate between active and passive transport.



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**12.** What are the functions of skull?



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**13.** What is the chemical composition of urine?

Compare the urine, glomerular filtrate and plasma.



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**14.** Differentiate between Glycolysis and Fermentation.



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**15.** Why the blood is stored in isotonic saline water?



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**16.** What is the significance of meiosis?





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**17.** Differentiate between male and female *Ascaris*.



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**18.** List avian characteristics of *Archaeopteryx*.



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**19.** Differentiate tap root system and adventitious root system.



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**20.** Draw V.S of Typical flower.



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**21.** State the differences between cilia and flagella.



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22. State blackman's law of limiting factor.



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23. What are four types of hormones secreted by islet of Langerhans?



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**24.** What is meant by double circulation? What is its significance?



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**25.** Define enzyme. Give its biological importance.



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**26.** What are salient features of modern cell theory?



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**27.** List the main differences between mitosis and meiosis.



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**28.** Describe  $K^+$  ion theory for opening and closing of stomata.



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**29.** Discuss various factors which affect photosynthesis.



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**30.** Explain mechanism of Clotting of blood.



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**31.** What is morphology of liver? Give its functions.



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