



# BIOLOGY

## BOOKS - SHARAM PUBLICATION

### 2017 QUESTION PAPER

#### Exercise

1. Decomposers are generally\_\_\_\_\_

A. green plants

B. phytoplanktons

C. insects

D. microorganisms

**Answer:**



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2. In curd making, ..... is useful in coagulation of milk protein.

A. Pencillium

B. Lactobacillus

C. Saccharomyces

D. Aspergillus

**Answer:**



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**3.** Kranz anatomy is seen in \_\_\_\_\_ plants,

A. CAM

B. submerged

C.  $C_3$

D.  $C_4$

**Answer:**



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4. A degenerative process when functional activities of an organism slow down is called\_\_\_\_\_

A. seismonasty

B. nutation

C. abscission

D. senescence.

**Answer:**



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5. The root nodules seen in the leguminous plants have a red pigment called\_\_\_\_\_

A. hemoglobin

B. leghemoglobin

C. phycocyanin

D. chromoplast

**Answer:**



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**6.** Correct the statement of each bit, if necessary, by changing the underlined words only :

In  $C_4$  plants, the fixation in mesophyll cells is 3-PGA.



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7. Correct the statement of each bit, if necessary, by changing the underlined words only :

Griffith coined the term 'gene' for Mendelian factor.



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**8.** Correct the statement of each bit, if necessary, by changing the underlined words only :

When sucrose is dissolved in water, its water potential decreases.



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**9.** Correct the statement of each bit, if necessary, by changing the underlined words only :



An unorganized mass of cells formed during tissue culture is called explant.



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**10.** Write short note with 2-3 important points on law of segregation



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**11.** Write notes

Split genes



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**12. Write a note on ecosystem.**



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**13. Write note on:**

**Biofertilizers.**



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**14.** Write a short note on alcoholic fermentation.



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**15.** Write note on:

Hybridization



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**16.** Write note on:

Viviparous germination



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**17.** Write a short note on micropropagation.



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**18.** Differentiate between

Parasite and Saprophyte



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**19.** Differentiate between

Phototropism and geotropism



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**20.** Differentiate between

Phototropism and geotropism



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**21. Differentiate between**

**Micronutrients and Macronutrients**



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**22. Differentiate between**

**Cybrid and Hybrid.**



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**23.** Give an account of the physiological effects of auxins in plants.



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**24.** Describe the reaction steps of Krebs cycle.



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**25.** Describe Transcription in Prokaryotes?



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**26.** Cohesion theory of ascent of sap was proposed by:



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