



BIOLOGY

BOOKS - SHARAM PUBLICATION

2016 QUESTION PAPER

Exercise

1. If a living cell is placed in _____ solution water enters into the cell by osmosis.

A. hypertonic

B. isotonic

C. hypotonic

D. isothermic

Answer:



Watch Video Solution

2. Primary consumers are always

A. Producers

B. carnivores

C. herbivores

D. omnivores

Answer:



Watch Video Solution

3. The process of physical removal of anthers is called

A. emasculation

B. mass selection

C. introduction

D. mutation

Answer:



Watch Video Solution

4. Fill in the blanks: Yeast Acetobacter are both involved in the production of _____ from carbohydrate.

A. penicillin

B. citrate

C. methane

D. vinegar

Answer:



Watch Video Solution

5. The hormone secreted from the aleurone layer of maize seed during germination is _____



[Watch Video Solution](#)

6. Correct the statements of each bit, if necessary, by changing the bracketed word(s) only :

During cellular respiration, (glycolysis) takes place in mitochondria.



[Watch Video Solution](#)

7. The pioneer community in hydrosere is submerged plants.



[Watch Video Solution](#)

8. In a cross between red and white flowered plants , F_1 - hybrids are pink. This is called quantitative dominance



[Watch Video Solution](#)

9. Correct the statements of each bit, if necessary, by changing the underlined word(s) only :

Ginger plant is an example of whole plant senescence.



[Watch Video Solution](#)

10. WRITE SHORT NOTES ON: Symbiotic nitrogen fixation



[Watch Video Solution](#)

11. Write note on

Respiratory quotient



Watch Video Solution

12. Write note on

Adaptations of submerged hydrophytes



Watch Video Solution

13. Write notes

Central dogma



[Watch Video Solution](#)

14. Write a short note on *Bacillus thuringiensis*

(Bt).



[Watch Video Solution](#)

15. Write note on

Thigmonasty



Watch Video Solution

16. Write note on

Seed dormancy



Watch Video Solution

17. Write note on

Oxidative decarboxylation



Watch Video Solution

18. Differentiate between

Diffusion and Imbibition



Watch Video Solution

19. Distinguish between: Monohybrid cross
and dihybrid cross



Watch Video Solution

20. Differentiate between
Apoplast and Symplast



Watch Video Solution

21. Differentiate between

Vernalization and Photoperiodism



Watch Video Solution

22. Give an account of C_3 cycle.



Watch Video Solution

23. Describe recombinant DNA technology



Watch Video Solution

24. Discuss the mechanism of stomatal movement.



Watch Video Solution

25. Describe Griffith's experiments of transformation.



Watch Video Solution