

APEEJAY SVARN GLOBAL SCHOOL
21 D FARIDABAD HALF YEARLY EXAMINATION (2020_21)
SUBJECT – BIOLOGY
CLASS – XI

TIME : 1:30 hrs

M.M. – 35

GENERAL INSTRUCTIONS :

- (a) All questions are compulsory.
- (b) Q.no. 1 to 4 carry 2 marks each.
- (c) Q.no. 5 to 8 are short answer questions and carry 3 marks each.
- (d) Q.no. 9 to 11 are long answer questions and carry 5 marks each

SECTION A (2 MARKER)

1. When we try to define 'living' we look for certain distinctive characteristics of living organism mention four such features?
2. How are viroids different from viruses?

OR

What is diatomaceous earth. Write its uses.

3. What are lichens? Name their components. How are they significant in environmental studies?
4. Differentiate between racemose and cymose inflorescence?

SECTION B (3 MARKER)

5. Define the following terms and give one example each:
 - a) Ammonotelism
 - b) Ureotelism
 - c) Ureotelism
6. With the help of neat labeled diagrams describe the structures of actin and myosin.

OR

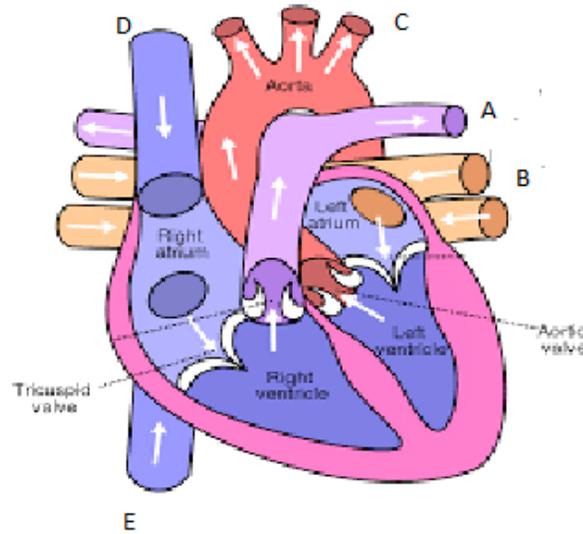
Write the floral formula of an actinomorphic bisexual, hypogynous flower with five united sepals, five free petals. Five free stamens and two united carpals with superior ovary and axile placentation.

7. Differentiate between various classes of fungi on the basis of their (a) Mycelium (b) types of spores and (c) Types of fruiting body.

OR

Find out what do the terms 'algal bloom' and 'red tides' signify.

8. A. What is pacemaker?
B. How two sound of heart produced?
C. What are the A, B, C, D and E in given human heart diagram?



SECTION B (5 MARKER)

9. Define the following:

- a) Tidal volume
- b) Residual volume
- c) Vital capacity
- d) Total lung capacity
- e) What are occupational respiratory disorders?

OR

Write the differences between:

- (a) Blood and Lymph
- (b) Open and Closed system of circulation
- (c) Systole and Diastole
- (d) P-wave and T-wave

10. A. It has been estimated that the kidneys filter 125 ml of fluid per minute; but we excrete only 1.5litre of urine in a day. Explain.

B. What is ultrafiltration in process of urine formation?

C. Draw a neat labeled diagram of Human Urinary System.

OR

Describe briefly the four major groups of protozoa.

11. Make a table showing the different types of muscles, location and function. .Draw well labelled diagrams also.

OR

A. Draw a labelled diagram of areolar connective tissue

B. Where is it found in human body

C. How does it differ from adipose tissue