



Techno ACE

Model Question Paper

Biology

Class: X going to XI

Time: 22.5 mints

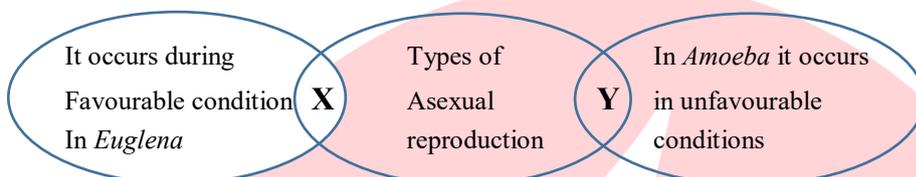
F.M. $15 \times 4 = 60$

For every correct answer examinee will be awarded +4 marks and for every wrong answer it will be – 1 mark

- Irregular groove which externally demarcates Atria from Ventricles is called
 - Coronary sulcus
 - Interventricular sulcus
 - Interventricular septum
 - Atrioventricular septum
- The phenomenon of uptake of water at the expense of energy by the cell and usually against the osmotic gradient is known as
 - Passive absorption
 - Active absorption
 - Imbibition
 - Cell to cell osmosis
- Cavities of brain are called
 - Auricles
 - Ventricles
 - Coelom
 - Lumen
- Cut leaves remain green for longer time when dipped in
 - Cytiokinins
 - Ethylene
 - Gibberellin
 - Auxin
- The growth of the pollen tube towards the ovule is due to
 - Phototropism
 - Chemotropism
 - Geotropism
 - Hydrotropism
- Which of the following is the correct sequence regarding sexual reproduction in a flowering plant
 - Pollination, fertilization, seedling, embryo
 - Seedling, embryo, fertilization, pollination

- (C) Pollination, fertilization, embryo, seedling
- (D) Embryo, seedling, pollination, fertilization

7. Which of the following is celebrated as ‘World AIDS Day’?
- (A) September 1
 - (B) October 1
 - (C) November 1
 - (D) December 1
8. Refer to the given Venn diagram



Select the correct option regarding it —

- (A) In X, a number of daughter individuals are formed.
 - (B) In Y, the nucleus of the parent body divided repeatedly.
 - (C) X is a process which takes place in *Plasmodium* under favourable conditions.
 - (D) Y is a process which takes place in *Planaria* during favourable Conditions.
9. How many genes a child receives from its father?
- (A) 25%
 - (B) 50%
 - (C) 75%
 - (D) 100%
10. A segment of DNA providing information for a protein is called
- (A) Character
 - (B) Trait
 - (C) Genom
 - (D) Gene

For questions No. 11 to Question No. 15, given below, two statements are given one labelled assertion (A) and the other labelled Reason (R). Select the correct answer to these questions from the codes A, B, C and D as given below:

- (A) Both assertion (A) and reason (R) are true and reason is correct explanation of assertion.
- (B) Both assertion (A) and reason (R) are true but reason is not the correct explanation of the assertion.
- (C) Assertion (A) is true but reason (R) is false.
- (D) Assertion (A) is false but reason (R) is true.

11. Assertion: Goitre is swelling in the neck region
Reason: It is caused by greater growth of thymus
12. Assertion: Scrotum provides high temperature for the sperms to mature
Reason: The rate of sperm formation is maximum at about 34°C temperature
13. Assertion: The biggest discovery of Mendel was non mixing of traits
Reason: Traits are particulate entities

14. Assertion: Herbivores have well developed incisors
Reason: Carnivores have well developed Canines
15. Assertion: The efferent arteriole of Glomerulus has wider diameter than the afferent arteriole
Reason: Blood flows under high pressure in the glomerulus

