



Date: \_\_\_\_\_

Name: \_\_\_\_\_

Class:X

Roll No. : \_\_\_\_\_

**Chapter 8: How do organisms reproduce?**

**I. Give one word for:**

- The process of release of ovum from a mature follicle is called
- Ovulation is induced by a hormone called
- Fertilisation takes place in \_\_\_\_.
- The fusion of male and female gametes is called
- The vascular connection between foetus and uterus is called \_\_\_\_
- The part of the human body that
  - produces sperm
  - produces ova
- Name the type of reproduction in which
  - gametes are not involved
  - requires single parent.
- Name a plant that can be grown
  - through its stem
  - through its leaves

**II. Short answer type questions:**

- How does Hydra reproduce? Name any other organism which reproduces by the same method.
- Spirogyra reproduces by which method?
- Name the group of cells in tissue culture, which are transferred to another medium containing hormones for growth and differentiation.
- Where are plants sex organs located? Name male and female reproductive parts in plant. Also mention the name of its accessory organs.
- What is the function of anther?
- Name the male and female gametes in animals and in plants.
- Where are the male and female gametes formed: (i) in humans? (ii) in flowering plants?
- Define sexual reproduction. Do all organisms give birth to individuals like humans?
- What are the full forms of the following: (i) STD (ii) AIDS and (iii) HIV?
- Give one characteristic of a wind pollinated flower.
- (a) Where does an ovum get fertilized in the human body?  
(b) Where does a fertilized ovum develop into a baby in the human body?
- Name the liquid that contains sperms.
- What is the name of the process in which thickened uterus lining along with blood vessels is removed from the body of a human female through vaginal bleeding?
- (a) For how much time does menstruation last in human females?  
(b) What is the frequency of menstrual cycle in human females?
- What is DNA? When a cell reproduces, what happens to its DNA?
- Name two simple organisms having the ability of regeneration. What is regeneration?
- What are those organisms called which bear both the sex organs in the same individual? Give one such organism.

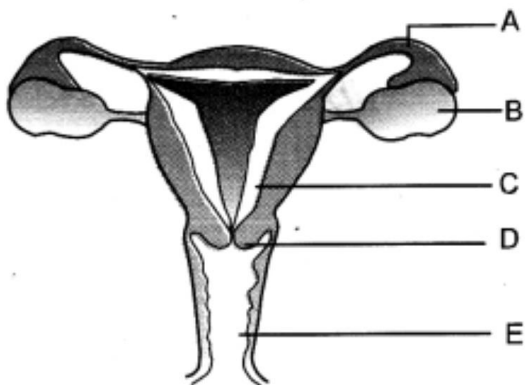
**III. Long answer type questions:**

- What happens when a Planaria gets cut into two pieces?
  - Name the part of Bryophyllum where the buds are produced for vegetative propagation.
- State the function of the
  - Testis
  - Ovaries
  - Uterus
  - Fallopian Tube

3. Can you consider cell division as a type of reproduction in unicellular organisms? Give reason.
4. Why do offsprings or daughter cells are similar when produced by asexual reproduction?
5. What is a tuber? Name one stem tuber and one root tuber.
6. What is vegetative propagation? Mention its types, advantages and disadvantages.
7. Why do green grass plants spring up in dry fields on their own after the rains?
8. Draw a labelled diagram of carpel and stamen.
9. a) What is pollination? Name the agents of pollination. Give the differences between self-pollination and cross-pollination. How does pollination differ in unisexual and bisexual plants?
10. How are seeds and fruits formed?
11. a) Define reproduction. How does it help in providing stability to the population of species?  
b) Reproduction is one of the most important characteristics of living beings. Give three reasons in support of this statement.
12. (a) What is grafting as a means (b) Define 'stock' and 'scion'.  
(c) Describe the method of grafting with the help of labelled diagram.  
(d) Name any two fruit trees which are usually propagated by grafting method

#### IV ORDER THINKING SKILL-BASED QUESTIONS

1. A student of class VII reaches a certain age when vaginal bleeding occurs for a few days after regular time
  - a) Name the process.
  - b) At what approximate age, this process starts in human females? What is the human female said to have attained at this stage?
  - c) After how much time is this process repeated? For how many days this process usually lasts?
  - d) What does the onset of this process in human females signify? At which approximate age of human female this process stops permanently?
2. There are two human beings say A and B. An organ X in the reproductive system of A releases mature gamete Y once a month which goes into a tube-like structure Z through a funnel-like opening. The organ in the reproductive system of B makes and releases gametes Q which passes through a duct R and are introduced by an organ of B, into the body of A. Y and Q fuse together in Z to form a new cells. The cell divides repeatedly to form a ball of cells T which get embedded in the lining of organ S of reproductive system of A where it grows and develops into a baby.
  - (a) Name organ X and gamete Y.
  - (b) Write the names of tube-like structure Z.
  - (c) Name the gamete Q.
  - (d) Write the name of duct R.
  - (e) Out of A and B, which one is (i) male and (ii) female?
3. Name the parts labelled A, B, C, D and E



- b) Where do the following functions occur?
  - i) Production of an egg
  - ii) Fertilization
  - iii) Implantation of zygote.
- (c) What happens to the lining of uterus

- a) Before release of a fertilized egg.
- b) If no fertilization occurs.