

Chapter End Test

Date : _____	Science	BATCH
Duration: 1:00 Hr. MM : 30 Marks	Topic : How do Organisms Reproduce	X

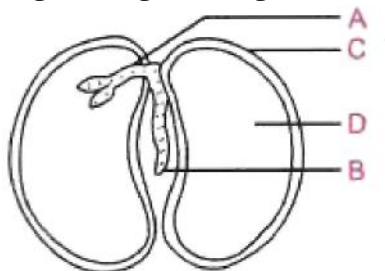
The paper has been designed for students of class 10th who have just completed the first chapter of Biology Life Processes. The paper aims to check whether the students have been able to understand and memorise the concepts. It also aims to check the student's writing ability in a prescribed time limit.

General instruction:

1. This paper consist of two Sections. A student has to attempt both the sections.
2. Section – A is objective carry 1 mark each.
3. Section – B is subjective.

[Section – A]

1. DNA in the cell nucleus is the information source of making
 - a. Genes
 - b. Proteins
 - c. Enzymes
 - d. Hormones
2. Which of the following plant reproduces asexually by stem?
 - a. Sweet potato
 - b. Carrot
 - c. Potato
 - d. Onion
3. Which of the following pairs of STDs are caused by bacteria?
 - a. Gonorrhoea and Syphilis
 - b. Genital warts and AIDS
 - c. Gonorrhoea and Genital warts
 - d. Syphilis and AIDS
4. The function of epididymis is to _____
 - a. Produce sperms
 - b. Produce semen
 - c. Temporarily store sperms
 - d. Provide alkaline medium to sperms
5. Fertilization in humans takes place in
 - a. Ovary
 - b. Fallopian tube
 - c. Uterus
 - d. Vagina
6. Which of the following statements is incorrect about variations?
 - a. They are always advantageous and help the organisms to survive
 - b. They help in survival in the changing niche
 - c. They occur as a result of sexual reproduction and mutation
 - d. They help in speciation and evolution of species.
7. The correct sequence of labelling of the given diagram can be



- a. Plumule, radicle, testa, tegmen
- b. Plumule, radicle, Seed coat, Cotyledons
- c. Radicle, plumule, testa, tegmen
- d. Radicle, plumule, Seed coat, Cotyledons

8. The permanent method of contraception used is
- Copper-T in females
 - Spermicides in males
 - Vasectomy in males
 - Tubectomy in males
9. The tubular thread-like structures in *Rhizopus* are called
- Filaments
 - Hyphae
 - Rhizoids
 - Sporangia
10. Which of the following provides root system in grafting?
- Stock
 - Scion
 - Graft
 - None of these
11. Which of the following pairs is incorrectly marked?
- Menstruation- Inner Uterine lining
 - Implantation- Inner Uterine lining
 - Fertilization- Fallopian tube
 - Ovulation- Fallopian tube

[Section – B]

12. How is binary fission in *Amoeba* different from binary fission in *Leishmania*? [1]
13. Name two modes of asexual reproduction in *Hydra*. [1]
14. During germination of seed, why is embryonal axis not green in colour? [1]
15. How do IUCDs prevent pregnancy in women? [1]
16. What is the role of secretions released by Seminal vesicles and Prostate gland? [1]
17. What is the importance of variations during reproduction? [2]
18. How can regeneration be differentiated from fragmentation? [2]
19. What is placenta and state its significance? [2]
20. Draw a male reproductive system and label [3]
- The organ where sperms are produced
 - The sac in which primary reproductive organ is located
 - The part which carries sperms
 - Copulatory organ in males
21. How does fertilization takes place in flowering plants? Show germination of pollen tube with the help of a well- labelled diagram. [3+2]

