

How do Organisms Reproduce? - Class X - Paper Set No. 2

1. What is the primary purpose of reproduction in organisms?
 - (a) Growth
 - (b) Survival of species
 - (c) Digestion
 - (d) Cell repair
2. In which of the following organisms does fragmentation occur?
 - (a) Hydra
 - (b) Amoeba
 - (c) Planaria
 - (d) Yeast
3. Which part of the flower develops into the fruit?
 - (a) Ovary
 - (b) Ovule
 - (c) Stigma
 - (d) Anther
4. How does a zygote form?
 - (a) Through meiosis
 - (b) By binary fission
 - (c) Through fertilisation of gametes
 - (d) Through budding
5. Which structure in the female reproductive system serves as the site for embryo implantation?
 - (a) Ovary
 - (b) Cervix
 - (c) Uterus
 - (d) Fallopian tube
6. Which type of reproduction allows an organism to create identical copies of itself?
 - (a) Sexual reproduction
 - (b) Pollination
 - (c) Asexual reproduction
 - (d) Germination
7. What is the role of the placenta during pregnancy?
 - (a) Produces hormones
 - (b) Forms the umbilical cord

- (c) Transfers nutrients and oxygen to the embryo
 - (d) Protects the embryo from infections
8. How does Rhizopus reproduce?
- (a) By budding
 - (b) Through fragmentation
 - (c) By forming spores
 - (d) By binary fission
9. Which of the following is an example of vegetative propagation?
- (a) Spore formation in fungi
 - (b) Budding in Hydra
 - (c) Growing a plant from a stem cutting
 - (d) Binary fission in bacteria
10. What is the purpose of contraceptive methods?
- (a) To increase hormone production
 - (b) To prevent sexually transmitted diseases
 - (c) To avoid unwanted pregnancy
 - (d) To enhance fertilisation

Answer Key for Paper Set No. 2:

- 1. (b) Survival of species
- 2. (c) Planaria
- 3. (a) Ovary
- 4. (c) Through fertilisation of gametes
- 5. (c) Uterus
- 6. (c) Asexual reproduction
- 7. (c) Transfers nutrients and oxygen to the embryo
- 8. (c) By forming spores
- 9. (c) Growing a plant from a stem cutting
- 10. (c) To avoid unwanted pregnancy