

## EXERCISE # 1

### A. Multiple Choice Type Questions

- Q.1** Binary fission occurs in -  
(A) *Amoeba* (B) *Paramecium*  
(C) *Leishmania* (D) All the above
- Q.2** Multiple fission occurs in -  
(A) *Plasmodium* (B) *Paramecium*  
(C) Bacteria (D) *Euglena*
- Q.3** *Bryophyllum* can multiply vegetatively by -  
(A) Leaves  
(B) Aerial stems  
(C) Underground stems  
(D) Roots
- Q.4** Sugarcane is multiplied by -  
(A) Seeds (B) Root cuttings  
(C) Stem cuttings (D) Leaves
- Q.5** Potato is grown from -  
(A) Cutting of aerial stems  
(B) Cutting of tubers having depressions  
(C) Cuttings of tubers without depressions  
(D) Cuttings of roots
- Q.6** The grafted portion of a plant is called -  
(A) Stalk (B) Stock  
(C) Layer (D) Scion
- Q.7** Grafting is most successful in -  
(A) Dicots (B) Monocots  
(C) Pteridophytes (D) Bryophytes
- Q.8** Jasmine is multiplied vegetatively through -  
(A) Stem cutting (B) Leaves  
(C) Root cutting (D) Layering
- Q.9** Yeast multiplies by -  
(A) Binary fission (B) Budding  
(C) Multiple fission (D) All the above
- Q.10** *Spirogyra* multiplies by -  
(A) Budding (B) Regeneration  
(C) Fragmentation (D) Both A and B
- Q.11** *Hydra* cut into a number of pieces will -  
(A) Die  
(B) Sporulate  
(C) Develop sex organs  
(D) Regenerate to form new individuals
- Q.12** Budding is a method of asexual reproduction in -  
(A) *Planaria* (B) *Hydra*  
(C) *Rhizopus* (D) *Amoeba*
- Q.13** In flower the male organ is -  
(A) Stamen (B) Carpel  
(C) Sepal (D) Petal
- Q.14** Receptive part of carpel is -  
(A) Placenta (B) Ovary  
(C) Stigma (D) Style
- Q.15** On germination each pollen grain produces -  
(A) One male gamete  
(B) Two male gametes  
(C) Three male gametes  
(D) Four male gametes
- Q.16** Fertilization in flowering plants produces -  
(A) Embryo (B) Endosperm  
(C) Nucellus (D) Both A and B
- Q.17** Seed is formed from -  
(A) Unfertilised ovary (B) Fertilised ovary  
(C) Fertilised ovule (D) Unfertilised ovule
- Q.18** Which is shed in a fertilized flower ?  
(A) Stamens (B) Petals  
(C) Style and stigma (D) All the above
- Q.19** Gonads form -  
(A) Sex organs (B) Gametes  
(C) Sex hormones (D) Both B and C

**Q.20** Mucosal lining of uterus is -  
(A) Mesometrium (B) Endometrium  
(C) Epimetrium (D) Epidermis

**Q.21** Ovum is fertilized in -  
(A) Vagina (B) Uterus  
(C) Fallopain tube (D) Ovary

**Q.22** Gestation period in human is -  
(A) 270 days (B) 290 days  
(C) 200 days (D) 245 days

**Q.23** Which one is a mechanical barrier to conception ?  
(A) Oral pill (B) Norplant  
(C) Abortion (D) Condom

**Q.24** An IUCD device is -  
(A) Copper T (B) Condom  
(C) Cervical cap (D) Vasectomy

## EXERCISE # 2

### A. Very Short Answer Type Questions

- Q.1 What is multiple fission ?
- Q.2 Define fragmentation ?
- Q.3 What is regeneration ?
- Q.4 Define budding ?
- Q.5 Define layering ?
- Q.6 Define grafting ?
- Q.7 What is sexual reproduction ?
- Q.8 What are gametes ?
- Q.9 Define fertilization.
- Q.10 What are essential floral organs ?
- Q.11 What is the function of sepals ?
- Q.12 Name the male floral organ.
- Q.13 Name the female floral organ.
- Q.14 What is pollination ?
- Q.15 Which parts of the flower are shed during fruit formation ?
- Q.16 What is the function of scrotum ?
- Q.17 Where is prostate gland located ?
- Q.18 Define placenta.
- Q.19 Name the female organ homologous to penis.
- Q.20 Define menarche.

### B. Short Answer Type Questions

- Q.21 Write a note on human fallopian tubes.

- Q.22 Differentiate between menarche and menopause
- Q.23 Distinguish vasectomy from tubectomy.
- Q.24 What is significance of sexual reproduction ?
- Q.25 Differentiate self pollination and cross pollination ?
- Q.26 Distinguish pollination from fertilization.
- Q.27 Describe multiple fission.
- Q.28 Describe budding in yeast.
- Q.29 Describe budding in *Hydra*.
- Q.30 Differentiate between fission and budding.
- Q.31 Describe sporulation in *Rhizopus*.
- Q.32 Describe layering.

### C. Long Answer Type Questions

- Q.33 Describe male reproductive system of humans.
- Q.34 Describe menstrual cycle.
- Q.35 Describe the various methods of contraception.
- Q.36 Describe the structure of a flower
- Q.37 Write a note on pollination in flowering plants.
- Q.38 Describe the process of fertilization in flowering plants.
- Q.39 Describe the methods of asexual reproduction in multicellular organisms.
- Q.40 Describe the natural methods of vegetative reproduction. Write down its importance.