

## Lesson 3: Life processes of living things - Part 2

### Q. 1) Choose one option and fill in the blanks

- 1) Human sperm cells are produced in .....  
a) Prostate gland b) Testicels c) Ovaries d) Cowper's gland
- 2) .....chromosome in humans is responsible for masculinity  
a) X b) Y c) Z d) O.
- 3) The foetus plantation in women happens in the .....  
a) Ovaries b) Fallopian tube c) Uterus d) Vagina
- 4) Vertical cell division happens in ..... Organism  
a) Paramecium b) Euglena c) Amoeba d) Palsmodium
- 5) Single-cell yeast reproduces asexually through.....  
a) Segmentation b) Budding c) Division d) Regeneration
- 6) Plants like carrots and radish perform .....through their roots  
a) Vegetative reproduction b) Segmentation c) Gemmation d) Regeneration
- 7) In flowers, androecium and gynoecium are .....organs  
a) Accessory b) Essential c) Outer d) Inner
- 8) Flowers with no stem are called.....  
a) Sessile b) Sedentary c) Incomplete d) Complete
- 9) A pregnant mother provides food to her foetus through.....  
a) Breasts b) Uterus c) Placenta d) Ovaries
- 10) The length of sperm is..... micrometre  
a) 400 b) 5 c) 60 d) 600

### Q. 2) Find the odd man out

- 1) Circulation - Excretion - Sensation - Reproduction
- 2) Gemmation - Regeneration - Binary fission - Segmentation

- 3) Carrot - Radish - Potatoes - Sweet potatoes
- 4) Efferent ducts - Prostate gland - Epididymis - Spermiduct
- 5) Stigma - Style - Pollen - Ovaries

**Q. 3) Find the co-relation**

- 1) Amoeba: Division: : Hydra:.....
- 2) Calyx: Sepals: : Corolla: .....
- 3) Accessory whorls: Calyx and Corolla: : Essential whorls:.....
- 4) Bisexual: Hibiscus: :Unisexual: .....
- 5) Vesicle gland hormones: Ovarian development: : Luetenizing hormones:.....

**Q. 4) Define the following**

- 1) Budding:
- 2) Segmentation:
- 3) Regeneration:
- 4) Gemmation:
- 5) Vegetative reproduction:
- 6) Fertilization:
- 7) Sessile:

**Q. 5) Explain the following**

- 1) Binary fission and multiple fission
- 2) Human male reproductive system and the female reproductive system

**Q. 6) Draw diagrams for the following**

- 1) Human male reproductive system
- 2) Double fertilization in angiosperms
- 3) Structure of flowers
- 4) Menstruation cycle

**Q. 7) Write concept-based answers**

- 1) Draw a concept table naming the various reproductive systems
- 2) Draw a concept table explaining the environmental problems

**Q. 8) Answer the following questions**

- 1) If a piece of cake remains in a closed box for 2 - 3 days in a damp room:
  - a) What will you see on the cake?
  - b) Give the scientific name of what you see on the cake and also write one feature for the same
- 2) With the help of a figure explain multiple fission in amoeba

**Lesson 4: Environmental Management**

- 1) Write the below given food chain in the correct order. Which ecosystem does the given foodchain belong? Describe that ecosystem.

Grasshopper - Snake - Rice fields - Eagle - Frog