

## Assignment Grade -VII

### Chapter-8: Reproduction In Plants

Q1. Define the following terms -

- a) Reproduction
- b) Pollination
- c) Fertilization
- d) Germination

Q2. Distinguish between the following –

- a) Asexual and Sexual Reproduction
- b) Unisexual and Bisexual Flowers
- c) Self Pollination and Cross Pollination

Q3. Draw well labelled diagrams of following –

- a) Budding in *Yeast*
- b) Fragmentation in *Spirogyra*
- c) Spore formation in *Rhizopus*
- d) Male and female reproductive organs of a flower

Q4. Give any two examples of following :

- a) The plants which reproduce through leaves , stem , roots -
- b) The plants in which seed dispersal take place through wind , water ,insects -
- c) The plants which reproduces by budding , fragmentation , spore formation –
- d) The plants which have unisexual flowers , bisexual flowers -

Q5. Write any one characteristic feature of –

- a) Seeds which are dispersed by wind
- b) Seeds which are dispersed by water
- c) Seeds which are dispersed by animals

Q6. List the conditions necessary for germination of seeds.

Q7. How the male gamete in the pollen grain reaches the female gamete present in the ovule?

Q8. What do you mean by vegetative propagation? State its advantages and disadvantages.

Q9. Answer in one word –

- a) The colourful part of flower which attracts insects –
- b) A yellow , powdery substance present in the anther of a flower –
- c) The part where female gamete is produced –
- d) Scattering of seeds over a wide area –
- e) Male and Female reproductive part of a plant -

Q10. Give reasons –

- a) Spores are covered by a hard covering.
- b) Hooks and spines are present in seeds and fruits dispersed by animals.

Q11. Write the changes that will take place after fertilization in the following parts of a plant:

- a) Ovary –
- b) Ovule –

Q12. Boojho had the following parts of a rose plant – a leaf ,roots , branch , a flower , a bud and pollen grains. Which of them can be used to grow a new rose plant ?

Q13. One morning as Paheli strolled in her garden she noticed many small plants which were not there a week ago. She wondered where they had come from as nobody had planted them there. Explain the reason for the growth of these plants.

Q14. You often see slimy , green patches in ponds or stagnant water bodies.

- a) Name the organism which form these green patches by its growth.
- b) Which mode of reproduction is used by this organism for multiplication?

Q15. What will happen if all the seeds of a plant will fall at same place and grow there?