

NOTES CLASS – V

GENERAL SCIENCE

Chapter-5 Plant Reproduction

II. SHORT ANSWER

Ans-1) Fertilisation in plants can be define as the process of fusion of male and female gamates.

Ans-2)Fruits are formed from the ovary after the process of fertilisation.

Ans-3)The seed leaves inside a seed are called cotyledons.

Ans-4) X

Ans-5) X

Ans-6)Germination is the process by which a seed produces a baby plants or seedling in the presence of water, air and water.

Ans-7)The three essential elements for the growth of a seed are –

i.Air ii.Warmth iii.Water

Ans-8)The small buds that appears in a potato helps in growing its new plant.

Ans-9)A monocot seed have one cotyledon while a dicot seed have two cotyledons.

III. LONG ANSWER

Ans-1)The different ways of seed dispersal are described below –

a)Dispersal by wind – Seed that are small and light in weight are easily dispersed by wind to far away places. Eg- cotton and drumstick .

b)Dispersal by water – Plants that grow near water bodies are dispersed by water when the fruits fall in the water body. Eg- coconut and lotus.

c)Dispersal by Animals – Some animals eat fruits and egested the seeds in various places where some seeds have hooks, spines and bristles that sticks to the bodies of animals and are carried to far off places. Eg- cocklebur and Hazel nut.

d)Dispersal by Explosion – Some seeds are dispersed when the ripened fruit burst open. Eg – Balsam and Poppy.

Ans-2) X

Ans-3)Plants can grow from its different parts other than seeds. The following are the ways-

i)Stem – In some plants buds form from their stem that grow in to anew plant. Eg-money plant, sugarcane, potato.

ii)Roots – In some plants the buds appears on their roots to form new plants. Eg- carrot, turnip, sweet potato.

iii)Leaves – Buds starts to appear at the edges of leaves in some plants. Eg- Bryophyllum, Begonia.

iv)Spores – Some plants reproduced through special structure called spores. Eg- fern, mosses and some fungi.

Ans-4) Pg – 54

Page- 57 Correct and rewrite the following statements.

1. Only healthy and ripe seeds grow into plants.
2. Seeds with two seed coats are called dicotyledonous.
3. Animals help in seed dispersal.
4. Correct
5. Dicot seeds have roots.
6. Correct

Page-59 Fill in the blanks.

1.stem 2.buds 3.spores 4.leaves 5.roots

Page-60 A→1.b 2.a 3.c 4.c

Page 61 B→1.SEESCOAT 2.DRUMSTICK 3.LOTUS 4.EXPLOSION 5.ROOTS

C→1.leaves 2.roots 3.stems 4.seeds 5.seeds