

**CLASS 7<sup>th</sup>**

**sample Paper (Science)**

M.M- 80

**A. MCQ**

**1x6=6**

- 1) Fruit develops from
  - a) Ovary
  - b) Leaves
  - c) Petals
  - d) Ovule
- 2) Yeast reproduces asexually by
  - a) Fragmentation
  - b) Budding
  - c) Spore formation
  - d) Vegetative propagation
- 3) Female reproductive part of flower is
  - a) Sepals
  - b) Pistils
  - c) Stamens
  - d) petals
- 4) The process of separating hair of different texture is
  - a) Scouring
  - b) Sheering
  - c) Sorting
  - d) Spinning
- 5) Which option best describes a tropical region?
  - a) Cold and humid
  - b) Moderate temperature ,heavy rainfall
  - c) Hot and humid
  - d) Hot and dry
- 6) The silk thread is made up of
  - a) Fat
  - b) Protein
  - c) Vitamins
  - d) minerals

**B. Fill in the blanks**

**1x7=7**

- 1) Seeds dispersed by wind are \_\_\_\_\_.
- 2) \_\_\_\_\_ alga is known as pond scum.
- 3) \_\_\_\_\_ is an example of unisexual flower.
- 4) \_\_\_\_\_ contains the male reproductive cell.
- 5) Onion grows from \_\_\_\_\_.
- 6) Soil air is important for roots to carry out \_\_\_\_\_.
- 7) \_\_\_\_\_ organism is known as nature's ploughman.

**C. Answer in one word****1x6=6**

- 1) Name the method of charging an object which do not require any direct physical contact b/w the objects?
- 2) Name the device used to protect tall buildings from lightning?
- 3) Name the scientist who discovered the device lightning conductor?
- 4) Name 2 artificial methods of vegetative propagation?
- 5) Name the soil which can retain more water?
- 6) Which organism is known as nature's ploughman?

**D. Very short questions question****2x10=20**

- 1) Like charges \_\_\_\_\_ each other.

Unlike charges \_\_\_\_\_ each other.

- 2) Define earthing ?
- 3) How does soil get polluted ?
- 4) Difference between infiltration and percolation rate?
- 5) Why is dispersal of seeds necessary for growth of healthy plants?
- 6) Difference between vegetative and reproductive parts of flower?
- 7) Difference between unisexual and bisexual flowers?
- 8) What is neutralization reaction give example?
- 9) What is decomposition reaction explain with example?
- 10) Difference b/w weather and climate?

**E. Very short questions question****3x7=21**

- 1) What is vegetative reproduction? What are its advantages?
- 2) Explain the working of lightning conductor?
- 3) Explain method of charging up an object by friction?
- 4) Charges are always produced in pairs. Explain
- 5) List some precautions if you are caught in open during lightning?
- 6) What is soil erosion? How it can be prevented?
- 7) Write the adaptations of polar bear?

**F. Long Questions****5x4=20**

- 1) a) Explain the process of asexual reproduction in yeast?

b) What is the significance of dispersal of seeds? Name the method of dispersal of seeds in-

- A. Xanthium
- B. Pea
- C. Coconut
- D. Sunflower

- 2) i) How do ferns and mosses reproduce?  
ii) Name the method of asexual reproduction in

- A) Spirogyra
- B) Bread mould
- C) Yeast

- 3) When we put iron nail in copper sulphate solution colour of solution changes into light green why? Explain with reaction?
- 4) Write chemical formula of
  - a) Zinc oxide
  - b) Aluminium chloride
  - c) Magnesium sulphate
  - d) Sodium oxide
  - e) Calcium sulphate
- 5) Explain the life cycle of silkworm with diagram?