

**ST ALOYSIUS ORPHANAGE AND DAY SCHOOL,
1ST UNIT TEST
SESSION-2022-2023**

**Subject-Biology
Class-VIII**

**F.M.-50
TIME-1HR**

(1) FILL IN THE BLANKS (5)

- (a) Potassium is involved in opening and closing of _____
- (b) Water transports substances in the _____ form
- (c) A fruit is a _____ ovary
- (d) The ability of living organisms to produce young ones of their own kind is called _____
- (e) The production of new plants that involves fusion of _____ is called sexual reproduction

(2) TICK THE CORRECT OPTION (5)

- (a) Which of the following are vascular tissues
(i) Xylem (ii) phloem (iii) both of these (iv) none of these
- (b) Which of the following mentioned is a micronutrient?
(i) Nitrogen (ii) Phosphorus (iii) Potassium (iv) Zinc
- (c) Which is grown by layering method?
(i) Rose (ii) sugar cane (iii) Bougainvillea (iv) Lemon
- (d) Which of the following is not a part of pistil?
(i) Stigma (ii) style (iii) Ovary (iv) Anther
- (e) Which of the following is a dry fruit?
(i) Mango (ii) cherry (iii) tomato (iv) walnut

(3) STATE TRUE OR FALSE. CORRECT THE FALSE STATEMENT (5)

- (i) Wind, water and animals help in the dispersal of seeds
- (ii) Salvia is an example of wind pollinated flower
- (iii) Spirogyra reproduces by spore formation
- (iv) Xylem parenchyma is a dead cell in xylem tissue
- (v) Cell wall is semi-permeable in nature

(4) ANSWER THE FOLLOWING QUESTIONS BRIEFLY (20)

- (i) State any 2 functions of xylem tissue?
- (ii) State 2 functions of a fruit?
- (iii) State 1 major role of the following:-
(A) Nitrogen (B) Iron
- (iv) State 2 features and 1 example of water pollinated flower?
- (v) State any 2 advantages of tissue culture?
- (vi) State any 2 disadvantages of vegetative propagation?
- (vii) Define the following terms:-
(A) Transpiration (B) Root pressure
- (viii) State 2 examples of the following:-
(A) Stem tuber (B) Stem (C) Bulb (D) Rhizome
- (ix) State 2 importance of transpiration?
- (x) Differentiate between self and cross pollination? (2 points)

(5) ANSWER THE FOLLOWING QUESTIONS IN DETAILS (15)

- (i) What is artificial pollination? Describe its steps
- (ii) Discuss about the various factors that affect the rate of transpiration?
- (iii) Draw a labelled diagram of a Root hair?