**SOCIAL BALUNI PUBLIC SCHOOL**

**CLASS XII**

**BIOLOGY (044)**

**Class Test Feb 8, 2021**

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**Time allowed: 1 Hour Maximum Marks: 20**

**Answer the following Questions**

1. Endosperm development precedes embryo development. Justify 1 Marks
2. Explain emasculation with reference to artificial hybridization of flowering plants. 1 Marks
3. Extend acronyms PEN and MMC. 1 Marks
4. How do *Papaver* and *Michelia* differ from each other in terms of nature of carpel? 1 Marks
5. State the ploidy of embryos formed from synergids and nucellus. 1 Marks
6. Discuss adaptation of cleistogamous flowers for self pollination. 2 Marks
7. Differentiate between wind pollinated and insect pollinated flowers. 3 Marks
8. Draw L.S of a pistil showing pollen tube entering the embryo sac in an angiosperm and explain the post-pollination events leading to viable seed production in angiosperm. 5 Marks
9. Draw a well labelled diagram of a typical anatropous ovule. 3 Marks
10. How would you proceed to cross-pollinate a monoecious flower? 2 Marks

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