

Course Code: 0512-1105  
Level and Term: L-1, T-1  
Time: 1 hour 30 minutes

Section: A, B

Course Title: Basic Plant Sciences  
Course Teacher Initials: DJA. MZA  
Total Marks: 25

Splitting any answer is strictly prohibited

|   |  |                | Marks |
|---|--|----------------|-------|
| 1 | (a) Write down the five phyla of the plant kingdom with appropriate examples.                                      | CLO1, PLO1, C1 | 5     |
| 2 | (a) Briefly discuss the importance of agronomy?  | CLO1, PLO1, C3 | 3     |
|   | (b) Draw and mark the five key parts of an ideal leaf?   | CLO1, PLO1, C2 | 2     |
| 3 | (a) What are key differences between self and cross pollination?   | CLO1, PLO1, C3 | 3     |
|   | (b) What do you understand by double fertilization?  | CLO1, PLO1, C2 | 2     |
| 4 | (a) State the key features of a seed.  | CLO1, PLO1, C1 | 2     |
|   | (b) Write down the functions of cell membrane.   | CLO1, PLO1, C3 | 3     |
| 5 | (a) Draw a cross-sectional diagram of mitochondria labelling the inner and outer membrane along with its function. | CLO1, PLO1, C1 | 2     |
|   | (b) Mention the biological significance of Meiosis.  | CLO1, PLO1, C2 | 3     |