

**Activity Code:- 1903014031**

**B.Sc 6<sup>th</sup> Semester (Honours) Practical End Examination, October-2020**

**BOTANY**

**Course ID: 61321**

**Course Code: SH/BOT/601/C-13(Pr.)**

**Course Title: Plant Metabolism (Pr.)**

**Full Marks: 10**

**Time: 1h 30 mins.**

**The figures in the margin indicate full marks**

**UNIT I**

**1. Answer any one of the following:**

**1x 6 = 6**

- i. You are supplied with two lots of seeds – describe the procedure to determine which lots (groups) of seeds are viable and which lots (groups) of seeds are non-viable using TTC test and add a suitable comment. 4+2=6
- ii. You are supplied young bud of a flower and mature flower. Describe the process to determine the rate of respiration of supplied plant parts and comment on the probable result of rate of respiration of these two plant parts. 4+2=6
- iii. You have two different solution of sodium bicarbonate (0.1M and 0.4M) – describe the procedure to determine the effect of Carbon dioxide concentration on photosynthesis by using supplied solutions with suitable plant materials and comment of your expected result . 4+2=6

**UNIT II**

**2. Viva-voce**

**04**