

# GURUDAS COLLEGE

**B. Sc. SEMESTER VI (Honours) Examination, 2021**

**Online Internal Assessment, 2021**

**Subject: BOTA**

**Subject Category: Honours**

**CORE COURSE - 13**

**Course: - BOT-A-CC-13-TH**

**Course Name: Plant Physiology**

**Date of Examination: 22/07/2021, 12: 30PM**

**All questions carry equal marks**

**Time: 30 minutes**

**FM: 10**

**Answer the following (Any 5):**

**2X5=10**

Q1. Blocking of xylem vessel by an air bubble s called

- a) Embolism
- b) Hydraulic discontinuity
- c) Cavitation
- d) None of the above

Q2. Osmotic pressure is higher in

- a) Isotonic solution
- b) Hypertonic solution
- c) Hypotonic Solution
- d) None of the above

Q3. Mineral salts are absorbed by plants

- a) As such
- b) As anions
- c) As cations
- d) Both B and C

Q4. Iron is an important component of

- a) Cytochromes
- b) ferredoxin
- c) Siroheme
- d) All the above

Q5. Senescence-promoting hormone

- a) Ethylene
- b) Auxins
- c) Gibberellins
- d) Cytokinins

Q6. Temperature required for vernalization is

- a) 30°—50°
- b) 0°—5°
- c) 20°—40°
- d) 100°—105°

Q7. Mutant Maryland mammoth (*Nicotiana tabacum*) is a

- a) SDP
- b) LDP
- c) SLDP
- d) LSDP

Q8. Photoblastic seeds are seeds

- a) affected by light for germination
- b) independent of light for germination
- c) affected by both light and temperature for germination
- d) none

### **Instructions for submission of answer scripts**

1. Write the front page/top sheet as per instruction.
2. Scan the pages in sequence and make a single PDF file.
3. Rename file as per instruction.
4. Email the PDF file within the stipulated time to the following

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