

KANDI RAJ COLLEGE

5th Semester Hons. Internal Examination 2021

Course: UG-H-BOT-CC-T-11

Course title: Plant Physiology

Date -16/12/21

F.M-10

A) Answer any five of the following : 2*5=10

- 1) What is Ascent of Sap?
- 2) Define aquaporins?
- 3) What is Vernalization?
- 4) How does ABA regulate stomal behavior?
- 5) What is the role of Ethylene in fruit ripening?
- 6) What is symport?
- 7) What is Faciliated diffusion?

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5th Semester Hons. Internal Examination 2021

Course: UG-H-BOT-CC-T-12

Course title: Plant Metabolism

Date -16/12/21

F.M-10

A) Answer any five of the following 2*5=10

- 1) Write two differences between PS I and PSII.
- 2) What do you mean by substrate level phosphorylation?
- 3) What is Glycolysis?
- 4) What is CAM?
- 5) What is transamination?
- 6) What is Red drop?
- 7) What is Gluconeogenesis?

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5th Semester Hons. Internal Examination 2021

Course: UG-H-BOT-DSE-T-01

Course title: Industrial and Environmental Microbiology

Date -16/12/21

F.M-10

A) Answer any five of the following 2*5=10

- 1) Write two differences between Batch and continuous fermentation.
- 2) Define Lyophilization?
- 3) What is Immobilization?
- 4) Name the components of a typical bioreactor.
- 5) What is Bioremediation?
- 6) What is downstream processing?
- 7) What is cell disruption?

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5th Semester Hons. Internal Examination 2021

Course: UG-H-BOT-DSE-T-02

Course title: Plant Breeding and Biometry

Date -16/12/21

F.M-10

A) Answer any five of the following 2*5=10

- 1) What is acclimatization?
- 2) What are the differences between mass selection and pureline selection?
- 3) What is inbreeding depression?
- 4) What are the differences between mean and mode?
- 5) What is chi-square test?
- 6) What do you mean by domestication?
- 7) What is emasculation?