

DR. KANAILAL BHATTACHARYYA COLLEGE

B.Sc. Honours Examination (CBCS system)– 2021

Internal Assessment

Semester-VI

Subject-BOTA

Paper: CC-13 (Plant physiology)

Time: 30 min (1:00 P.M - 1:30 P.M)

Date: 16.7.2021

Full marks-10

1. Answer the following in brief (any ten): 1×10
- a. What is phloem loading?
 - b. What is xylem cavitation?
 - c. Name two artificial auxin.
 - d. What is vernalization?
 - e. What is florigen?
 - f. What is Richmond effect?
 - g. What is triple response of ethylene?
 - h. Write two functions of ABA hormone.
 - i. Name the components of water potential.
 - j. What is P- protein?
 - k. What is cryptochrome?
 - l. Name two antitranspirants.
 - m. Write the chemical structure of IAA.
 - n. Write one Mg deficiency symptoms in plant.
 - o. What is critical day length?

DR. KANAILAL BHATTACHARYYA COLLEGE
SEMESTER – VI (UNDER CBCS)
INTERNAL ASSESSMENT – 2021
BOTANY – HONOURS
BOT-A-CC-14
PLANT METABOLISM
DATE: 17 – 07 - 2021

F.M – 10

Time – 1P.M – 1:30P.M

Answer the following questions (any ten)

1X10

- a. What do you mean by Red – drop and Emersion component?
- b. Mention one difference between C4 and C3 plants.
- c. What do you mean by photophosphorylation?
- d. What is the significance (one) of pentose phosphate pathway?
- e. Mention an important component of mitochondrial electron transport system.
- f. Explain Substrate level phosphorylation with an example.
- g. Mention some role of G – protein in signal transduction pathway.
- h. What do you mean by beta oxidation of fatty acids?
- i. What are uncoupling reagents? Give one example.
- j. What do you mean by nitrate assimilation?
- k. What is Kranz anatomy?
- l. What is the full name of GOGAT?
- m. What do you mean by non symbiotic nitrogen fixation?
- n. What is MAP – kinase?
- o. Write down the full name of RUBISCO.

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B.Sc. Honours Examination (CBCS system)– 2021

Internal Assessment

Semester-VI

Subject-BOTA

Paper: DSE-A (Medicinal and ethnobotany)

Time: 30 min (1:00 P.M - 1:30 P.M)

Date: 19.7.2021

Full marks-10

1. Answer the following in brief (any ten): 1×10
- a. Write the definition of crude drugs.
 - b. What is organoleptic drug evaluation?
 - c. Name one source plant of Catechin.
 - d. Write the definition of pharmacognosy.
 - e. What is chemical classification of drugs?
 - f. Write uses of gingerol.
 - g. Name the source of Diosgenin.
 - h. Write the definition of ethnoecology
 - i. Write the definition of palaeo-ethnobotany.
 - j. Name two plants used to treat jaundice.
 - k. Write the uses of quinine.
 - l. What is terpenoids?
 - m. Name two phenolic compounds.
 - n. Name two plants used to treat diabetes.
 - o. Write one importance of alkaloids.

DR. KANAILAL BHATTACHARYYA COLLEGE
SEMESTER – VI (UNDER CBCS)
INTERNAL ASSESSMENT – 2021
BOTANY – HONOURS
BOT-A-DSE-B
NATURAL RESOURCE MANAGEMENT
DATE: 20 – 07 - 2021

F.M – 10

Answer the following questions (any ten)

Time: 1P.M – 1:30P.M
1X10

- a. What do you mean by natural resources? Give one example
- b. Define Sustainable development.
- c. What is agricultural utilization of soli?
- d. What are the major impacts of overgrazing?
- e. Explain non renewable or conventional energy sources. Give example.
- f. Explain productive value of biodiversity.
- g. What is aesthetic value of biodiversity?
- h. What is the main threats(only one) for fresh water
- i. What do you mean by aquifer?
- j. Give some example of major products of forest.
- k. What do you mean by insitu conservation?
- l. Explain pastoral land utilization.
- m. Mention some reasons for forest depletion.
- n. What is the full form of IPR?
- o. What is the full form of CBD?