

T.Y.B.SC. SEM – VI (2014 Course) : SUMMER - 2019
SUBJECT: BOTANY: INDUSTRIAL BOTANY-II

Day: Wednesday
Date: 24/04/2019

Time: 03.00 PM To 05.00 PM
Max. Marks: 40

S-2019-1043

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Draw neat and labeled diagram **WHEREVER** necessary.
-

Q.1 Attempt **ANY TWO** of the following: **(10)**

- a) Explain concept of “Totipotency”. Write a note on cell differentiation.
- b) Explain Hybridoma technology in detail.
- c) Give role of plants in pollution control.

Q.2 Attempt **ANY TWO** of the following: **(10)**

- a) Explain biogas production and add note on its merits.
- b) Give in detail applications of tissue culture technology.
- c) What are biofuels? Add note on their types.

Q.3 Attempt **ANY TWO** of the following: **(10)**

- a) Explain in short degradation of waste and oil spills.
- b) Write the process of fermentation.
- c) Explain green house technology.

Q.4 Attempt **ANY FIVE** of the following: **(10)**

- a) Give the list of petrocrops.
- b) Write note on somatic embryogenesis.
- c) Explain in short bioreactors.
- d) Give types of biogas.
- e) Write in short organic farming.
- f) Explain the concept of Biotechnology.
- g) Write note on patent.

* * * * *