

BACHELOR OF SCIENCE (CBCS-2018 COURSE)
F. Y. B. Sc. Sem-II :SUMMER- 2022
SUBJECT : BOTANY : INDUSTRIAL BOTANY-I

Day : Friday
Date : 15-07-2022

S-18326-2022

Time : 11:00 AM-02:00 PM
Max. Marks : 60

N.B.

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate **FULL** marks.
 - 3) Draw neat diagrams **WHEREVER** necessary.
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Q.1 Attempt **ANY TWO** of the following. **(12)**

- a) Give merits and demerits of biogas.
- b) What are petrocrops? Explain their importance.
- c) Comment on meaning of Genetic Engineering.

Q.2 Attempt **ANY TWO** of the following. **(12)**

- a) Enlist products and byproducts of fermentation.
- b) Describe the environmental and health hazards due to pesticide and fungicide.
- c) Describe cultivation of mushroom in detail.

Q.3 Attempt **ANY TWO** of the following. **(12)**

- a) Give scope and importance of Industrial Botany.
- b) Explain concept of biodegradable and non-residual effect of biopesticide.
- c) Give concept of non-conventional food industry.

Q.4 Attempt **ANY THREE** of the following. **(12)**

- a) Give merits of *Spirulina* cultivation.
- b) What are biofertilizers? Describe the type of biofertilizers.
- c) Which are processes of anaerobic waste water treatment?
- d) Explain concept of biodegradable and non residual effect of bio pesticide.

Q.5 Attempt **ANY FOUR** of the following. **(12)**

- a) What are phages? Give their properties.
- b) Describe the gaseous fuels.
- c) Give concept of scaling up.
- d) Explain how organic farming is helpful for the human health.
- e) Describe tubular tower fermenter.
- f) Enlist edible and non-edible mushroom.

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