

BACHELOR OF SCIENCE (CBCS-2018 COURSE)
F. Y. B. Sc. Sem-II : WINTER- 2022
SUBJECT : RENEWABLE ENERGY & ENERGY HARVESTING

Day : Monday

Time : 02:00 PM-05:00 PM

Date : 5/12/2022

W-18346-2022

Max. Marks : 30

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the **RIGHT** indicate **FULL** marks.
 - 3) Draw a neat and labeled diagram wherever necessary.
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Q. 1 Attempt any **TWO** of the following. **(10)**

- (a) Write down the construction and working of biogas generator system.
- (b) What are renewable energy sources? Write the importance of renewable energy sources.
- (c) What is fossil fuel? What are the conventional and nonconventional energy sources?

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

- (a) What are the impacts of hydropower sources?
- (b) Explain the solar water heater with neat diagram.
- (c) With neat diagram explain sun tracking system.

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

- (a) Write down the construction and working of tidal energy.
- (b) What is the solar energy? Write the importance of solar energy.
- (c) With neat diagram explain the solar cooker.

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