

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

Day : Friday
Date : 1/7/2022

S-18346-2022

Time : 11:00 AM-02:00 PM
Max. Marks : 30

N.B.

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

- (a) With neat suitable diagram, explain Solar water heating system.
- (b) Explain the photo voltaic cell.
- (c) With a neat labeled diagram, explain different parts of wind turbine.

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

- (a) Explain the flat plate collector system.
- (b) What is the importance of renewable energy sources? Explain.
- (c) Explain construction and working of Ocean Thermal Energy.

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

- (a) Explain solar cooker.
- (b) What is the solar cell? Explain. State its types.
- (c) With neat diagram, explain grid interconnection system.
- (d) Explain the conventional and nonconventional energy sources.

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