Total No. of Printed Pages:2

## **SUBJECT CODE NO:- H-187** FACULTY OF ENGINEERING AND TECHNOLOGY B.E. (EEP/EE/EEE) **Renewable Energy**

(REVISED) [Time: Three Hours] [Max.Marks: 80]

N.B

Please check whether you have got the right question paper.

- i) Q.No.1 from section A and Q.No.6 from section B are compulsory.

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## **EXAMINATION MAY/JUNE 2018**

## Section B

| Q.6  | Answe | er any five.   | 10       |
|------|-------|--|----------|
|      | a)    | What is wave energy? And tidal energy?                                   |          |
|      | b)    | What is geothermal power   |          |
|      | c)    | What is the function of aerobic digestive                                |          |
|      | d)    | What is solar dryers   |          |
|      | e)    | What is fuel cell?   | - Virgo  |
|      | f)    | What is biomass plant?   | SAN TONG |
|      | g)    | Write the application of biomass energy.                                 |          |
| Q.7  | a)    | Explain geothermal energy? Explain the application of geothermal energy. | 08       |
|      | b)    | What is gasifier? What are the main applications of gasifier?            | 07       |
| Q.8  | a)    | Explain the various methods of biomass conversion process.               | 08       |
|      | b)    | Explain the advanced type of biogas with its application and advantages. | 07       |
| Q.9  | a)    | Explain the OTEC open cycle  | 08       |
|      | b)    | Explain the concept of tidal power generation in details.                | 07       |
| Q.10 | a)    | Explain the working of open cycle type MHD power plant in details        | 08       |
| -    | b)    | What is Hall Effect? Explain the principle of MHD generation.            | 07       |