

CENTRAL TRIBAL UNIVERSITY OF ANDHRA PRADESH

I -MID-TERM Examinations- Feb 2025

PROGRAM: B.Sc. Geology & Botany

SEMESTER: IV

TITLE OF COURSE: Vocational course: Introduction to Renewable Energy

Time: 1 HOUR

Max marks: 20

PART-A

Answer all 5 questions from the following

5X1=5M

1. Define Energy
2. Name four non-renewable energy resources.
3. Name four renewable energy resources.
4. What is the main advantage of non-conventional energy resources compared to conventional energy resources []
 - (a) They are more sustainable & Environmentally friendly
 - (b) They are less reliable and efficient
 - (c) They are cheaper to generate
 - (d) They are easy to transport and store
5. Which among the following is the most prospective renewable resources of energy in India? []
 - (a) Solar Energy
 - (b) Hydro-electric Energy
 - (c) Biological Energy
 - (d) Energy derived from Wastes

PART-B

Answer EITHER A or B from the following:

1X5=5M

6A. Describe Environmental benefits of Renewable Energy

OR

6B. Explain fundamentals of solar radiation.

PART-C

Answer EITHER A or B from the following:

1X10=10M

7A. Briefly compare the renewable and non-renewable energies.

OR

7B. Discuss economic benefits of Renewable Energy.