

M.B.A. (CBCS Pattern) Semester-III
**PCB3EJ1 - Conventional and Non-Conventional Renewable Energy Systems
(Power Management)**

P. Pages : 1

Time : Three Hours



GUG/W/24/10705

Max. Marks : 70

- Notes :
1. Attempt **any five** questions.
 2. All question carry equal marks.

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| 1. | Discuss the arrangement of plant and principles auxiliaries in steam power stations. | 14 |
| 2. | Discuss the site selection and prime movers in hydro power stations. | 14 |
| 3. | Discuss in detail penstock of hydro power station. | 14 |
| 4. | What do you mean by nuclear power station? State its prospects and limitation. | 14 |
| 5. | What are the advantages and disadvantages of solar energy in India? Explain it with suitable examples. | 14 |
| 6. | Discuss and elaborate Geo-Thermal and energy options for India. | 14 |
| 7. | What are the characteristic of bio-mass energy and its conversion process. | 14 |
| 8. | Explain in detail Non-Conventional sources of Renewable Energy. | 14 |
| 9. | What are the applications of Solar Technology? Explain. | 14 |
| 10. | Write note on any two . | |
| | a) Operating costs of steam power station. | 7 |
| | b) Principles of Tidal and Wave energy. | 7 |
| | c) Conventional energy sources | 7 |
| | d) Scope for conservation of energy | 7 |
