

M.B.A. (CBCS Pattern) Semester - III
**SP01-PCB3EJ1 - Conventional and Non-Conventional Renewable Energy
Systems (Power Management)**

P. Pages : 1

Time : Three Hours



GUG/S/23/10705

Max. Marks : 70

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

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| 1. | Explain the role and importance of site selection of steam power stations. | 14 |
| 2. | State the principles of arrangement of Hydro power station in brief. | 14 |
| 3. | Explain Hydro power development planning. | 14 |
| 4. | Discuss about Fission and Fusion technology fundamentals of nuclear power station. | 14 |
| 5. | State the major non-conventional energy sources with its scope and availability. | 14 |
| 6. | Discuss the principle and scope of Geothermal Energy. | 14 |
| 7. | Explain 'How non-conventional energy sources used to overcome the problem of energy crises ?' | 14 |
| 8. | State the principles of Tidal and wave energy in brief. | 14 |
| 9. | Describe the characteristics of bio-mass and its conversion process. | 14 |
| 10. | Write short notes on any two . | 14 |
| | a) Biomass & its uses. | |
| | b) Surge tank and pen stock. | |
| | c) Ocean thermal energy. | |
| | d) Operating cost of hydro power station. | |
