

## Question Bank (G-scheme)

**Name of subject: Renewable energy sources**

**Unit Test: I**

**Subject code: 17611**

**Course: ME6G**

**Semester: VI**

**(3/4MARKS QUESTION )**

### CHAPTER NO-1

1. What is renewable energy?
2. Explain the need of renewable energy?
3. Classify the renewable energy sources?
4. What is energy storage management?
5. Explain the effect of use fossil fuel on Climate change and global warming?
6. Write and Explain sensible heat and latent heat?
7. What is green house effect?

### CHAPTER NO-2

1. Explain with neat figure solar radiation?
2. Explain sun and earth relationship in solar radiation?
3. Explain effect of sun and earth movement on solar radiation?
4. Explain concept of solar geometry?
5. Explain thermo syphon system for water heating?
6. Explain forced Circulation system in water heating's?
7. Explain flat plate collector with neat figure?
8. Explain evacuated tube collector with neat figure?
9. State application of solar thermal energy?
10. Explain brief P-V conversion?
11. Explain working principle of solar cells?
12. State the application of solar photovoltaic system?
13. Explain solar cooker?

14. Explain construction details of street light system?