

**STELLA MARIS COLLEGE (AUTONOMOUS) CHENNAI-86**  
**(For candidates admitted during the academic year 2016–17)**

**SUBJECT CODE: 16VS/AC/EE15**

**B.Voc. DEGREE EXAMINATION, NOVEMBER 2016**  
**SUSTAINABLE ENERGY MANAGEMENT**  
**FIRST SEMESTER**

**COURSE : MAJOR CORE**  
**PAPER : ENERGY ECONOMICS**  
**TIME : 3 HOURS**

**MAX.MARKS : 100**

**SECTION – A**

**ANSWER ALL QUESTIONS:**

**Expand the following:**

**(10x1=10)**

1. IEA
2. OPEC
3. MNRE
4. CH4.CO
5. CPCB
6. SEB
7. CDM
8. DAE
9. BS-IV
10. NMEEE

**Define the following:**

**(10x2=20)**

11. Sustainable development
12. Energy security
13. Energy deficit
14. Law of thermodynamics
15. Carbon credits
16. Energy elasticity
17. Electricity externalities
18. Energy subsidies
19. Energy crisis
20. Energy economics

**SECTION – B****ANSWER ANY SIX QUESTIONS:****(6x5=30)**

21. Write a note on carbon tax.
22. Explain briefly the reasons for rise in oil prices
23. What is the significance of energy? Differentiate between commercial and non-commercial sources of energy.
24. Briefly explain rural electrification in India.
25. Discuss oil markets as oligopoly.
26. Briefly elucidate the Energy Conservation Act 2001.
27. Write a note on the pricing patterns of public and private electricity providers
28. What are the social and economic impact of clean technology?

**SECTION – C****ANSWER ANY TWO QUESTIONS:****(2x20=40)**

29. Critically analyse the 12<sup>th</sup> five year plan with respect to energy.
30. What are the challenges of providing clean cooking fuel India and provide solutions to the persistent problem?
31. Explain in detail the reforms which have been initiated to meet the energy crisis in India.
32. Discuss the global oil crisis and its effect on India's economic development.

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