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GIET UNIVERSITY, GUNUPUR – 765022

M. B. A (Fourth Semester) Examinations, May' 2021

MB 402 G - Energy Requirement in Agriculture and Its Management

Time: 2 hrs

Maximum: 50 Marks

The figures in the right hand margin indicate marks.**PART – I: (Multiple Choice Questions)****(1 x 10 = 10 Marks)****Q. 1 Answer ALL questions**

- a. The energy obtained from electric cells and batteries as a result of a chemical reaction is called
 - (i) chemical energy
 - (ii) nuclear energy
 - (iii) heat energy
 - (iv) electrical energy
- b. Which of the following is a non-renewable energy resource?
 - (i) solar
 - (ii) methane
 - (iii) hydroelectric
 - (iv) coal
- c. India's energy consumption growth in 2016 is _____
 - (i) 3.6 %
 - (ii) 4.6 %
 - (iii) 2.9 %
 - (iv) 1.5 %
- d. Energy in the form of heat and light is obtained by _____
 - (i) biomass
 - (ii) fossil fuels
 - (iii) Sun
 - (iv) Wind
- e. "The judicious and effective use of energy to maximise profits and enhance competitive positions". This can be the definition of
 - (i) Energy conservation
 - (ii) Energy management
 - (iii) Energy policy
 - (iv) Energy Audit
- f. Energy manger should be well versed with
 - (i) Manufacturing and processing skills
 - (ii) Managerial and technical skills
 - (iii) Technical and marketing skills
 - (iv) Managerial and commercial skills
- g. The process that converts solid coal into liquid hydrocarbon fuel is called:
 - (i) Liquefaction
 - (ii) Carbonation
 - (iii) Catalytic conversion
 - (iv) Cracking
- h. To make transport fuel the bio ethanol is blended with _____
 - (i) Diesel
 - (ii) Petrol
 - (iii) Oil
 - (iv) Kerosene
- i. The blades in wind turbines are connected to _____
 - (i) Nacelle
 - (ii) tower
 - (iii) foundations
 - (iv) String
- j. Common energy source in Indian villages is:
 - (i) Electricity
 - (ii) Coal
 - (iii) Sun
 - (iv) Wood and Animal Dung

PART – II: (Short Answer Questions)

(2 x 5 = 10 Marks)

Q.2. Answer ALL questions

- a. What is energy in simple words?
- b. What are the five sources of sound?
- c. Identify the main source of energy on Earth.
- d. What is new energy technology?
- e. State the raw materials used in bio diesel.

PART – III: (Long Answer Questions)

(6 x 5 = 30 Marks)

Answer ANY FIVE questions.

3. Explain different types of energy with examples.
4. Discuss the various sources of renewable energy.
5. State and explain the effect of increase of atmospheric pressure.
6. Explain the impact of energy consumption on global economy.
7. What is energy consumption pattern? How our usage of energy has changed in time?
8. State the importance of renewable energy sources.
9. Explain the production methods of bio-diesel.
10. How many types of gasifiers are there? Explain.

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