

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

MSc DEGREE EXAMINATION DECEMBER 2023  
(First Semester)

Branch – ENVIRONMENTAL SCIENCE

**ENERGY RESOURCES AND CONSERVATION**

Time: Three Hours

Maximum: 75 Marks

**SECTION-A (10 Marks)**

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	A natural resource that can be replaced in the same rate at which it is consumed or used is known as a) Artificial Resources b) Natural Resources c) Renewable Resources d) Nonrenewable Resources	K1	CO1
	2	India's total forest cover accounted for _____ of the geographical area of the country. a) 35.62 %            b) 24.62% c) 20.54 %            d) 40.32%	K2	CO1
2	3	Heat transfer takes place according to which of the following law? a) Newton's second law of motion b) First law of thermodynamics c) Newton's law of cooling d) Second law of thermodynamics	K1	CO2
	4	Which group consists of non-renewable organic resource? a) Water, air and minerals b) natural gas, oil and coal c) wood, water and natural pastures d) sand, air and clay	K2	CO2
3	5	World Energy Needs are rising due to _____. a) deforestation b) increasing population and Industrialization c) inflation d) natural calamities	K1	CO3
	6	The splitting of a nucleus into smaller nuclei is a) Fusion            b) Fission c) Half-life            d) gamma -radiation	K2	CO3
4	7	Which of the following is not a part of energy audit as per the Energy Conservation Act, 2001? a) monitoring and analysis of energy use b) verification of energy use c) submission of technical report with recommendations d) ensuring implementation of recommended measures followed by review	K1	CO4
	8	Which of the following green rating systems are currently working in India? a) LEED            b) GRIHA c) Both A and B    d) None of above	K2	CO4

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