Name: **Enrolment No:**	

UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, December 2023

Course: Energy Efficiency & Conservation **Semester: V**
Program: BBA Green Energy & Sustainability **Time : 03 hrs.**
Course Code: OGET3010P **Max. Marks: 100**
Instructions:

SECTION A
10Qx2M=20Marks (Answer All Question)

S. No.		Marks	CO
Q 1	What is the CBAM? Explain.	**2**	**CO1**
Q 2	What is Energy Intensity? Explain.	**2**	**CO1**
Q 3	What is ECBC, GHG and SEC?	**2**	**CO1**
Q 4	Explain ESCO.	**2**	**CO1**
Q 5	What is the PAT? Explain	**2**	**CO1**
Q 6	Name 4 equipment where Standard and Leveling have been done in India.	**2**	**CO1**
Q 7	Give full form of UNFCCC and NAPCC.	**2**	**CO1**
Q 8	Is separate Act for Energy Conservation require? Give reason.	**2**	**CO1**
Q 9	What is Sustainable Energy? Explain.	**2**	**CO1**
Q 10	Expand BEE, MNRE and APTEL.	**2**	**CO1**
	SECTION B **4Qx5M= 20 Marks**		
Q 1	Give 15 Energy Intensive Industries as per EC Act 2001.	**5**	**CO2**
Q 2	Explain roles of BEE as institutional mechanism for Energy Efficiency & Audit.	**5**	**CO2**
Q 3	Critical analyze Current Power Scenario in India (Fuel wise) with targets for 2030 with a purpose of reduction in GHG emiision.	**5**	**CO2**
Q 4	Explain Panchamitra program for Energy & Environment sustainability\. OR Explain REC mechanism with latest Amendments.	**5**	**CO2**

SECTION-C **3Qx10M=30 Marks**			
Q 1	Explain main points of Energy Conservation Act 2001 with your critical analysis.	**10**	**CO3**
Q 2	Critically analyze and evaluate impact of future Carbon Trading after explaining it in brief. OR Critical evaluate proposed Cross Border Adjustment Mechanism by EU and its impact on Developing countries like India.	**10**	**CO3**
Q 3	Critically analyze recent Amendments in the Energy Conservation Act in 2022 and its impact in India.	**10**	**CO3**
SECTION-D **2Qx15M= 30 Marks**			
Q1	Analyze the India ambitious growth plan for non-fossil fuel up to 2030 with suggestions for better implantation after explaining for reduction in GHG emission as per Paris Agreement.	**15**	**CO4**
Q 2	Why Energy Efficiency and Conservation is important for India? Critically evaluate its implementation in India till today. Give your suggestions for betterment.	**15**	**CO4**