



Name:

Enrolment No:

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**

**End Semester Examination, May 2023**

**Course: Renewable Energy Planning & Economics**

**Program: BBA Green Energy & Sustainability**

**Course Code: OGET1005**

**Semester: 2<sup>nd</sup>**

**Time : 03 hrs.**

**Max. Marks: 100**

**Instructions:**

**SECTION A**  
**10Qx2M=20Marks**

S. No.		Marks	CO
Q1.	Under the General scheme of efficiency evaluation, what are the project efficiency indicators?	2	CO1
Q2.	What is Project Life Cycle?	2	CO2
Q3.	Determining the potential attractiveness of the project for potential participants and the search for funding sources includes Public (socio-economic) project efficiency. (True/False)	2	CO2
Q4.	With reference to the General Scheme of Efficiency Evaluation, briefly discuss the Financial Analysis.	2	CO1
Q5.	Under Renewable Energy Planning, as a stakeholder, one of the roles of the state government is to link infrastructure financing to energy-related performance targets. (True/False)	2	CO2
Q6.	What is the approximate share of Wind Power in the RE Mix of India	2	CO2
Q7.	What is the primary difference between Regulated and Deregulated markets?	2	CO1
Q8.	Explain the Rational Use of Energy.	2	CO1
Q9.	List any 2 criteria for energy projects in the capacity and electric power market.	2	CO1
Q10.	List any 2 methods for assessing the effectiveness and financial feasibility of investment projects	2	CO1

**SECTION B**  
**4Qx5M= 20 Marks**

Q11.	What is Demand and Supply? How are they related?	5	CO2
Q12.	Briefly discuss Markets.	5	CO3
Q13	List any 5 activities in the process of Energy Planning.	5	CO3
Q14	Write a note on the role of the Public as a stakeholder to the process of Energy Planning.	5	CO2

**SECTION-C**  
**3Qx10M=30 Marks**

Q15.	Discuss the principles of Economics in detail.	<b>10</b>	<b>CO3</b>
Q16.	Discuss the process of Renewable Energy Planning.	<b>10</b>	<b>CO4</b>
Q17	Discuss the differences between Demand Side Management and Supply Side Management.	<b>10</b>	<b>CO3</b>

**SECTION-D**  
**2Qx15M= 30 Marks**

Q18	Discuss in detail the Goals of Project Based Energy Planning.	<b>15</b>	<b>CO4</b>
Q19	Discuss the relationship between Renewable Energy and Sustainable Development.	<b>15</b>	<b>CO4</b>