Roll No: ----------

Name: **Enrolment No:**	UPES UNIVERSITY WITH A PURPOSE

UNIVERSITY OF PETROLEUM & ENERGY STUDIES

End Semester Examination – May, 2021

Program/course: MBA (Power Management) **Semester : 4th**
Subject: Integrated Power Resources Management and Power Sector Planning
Max. Marks: 100
Code: PIPM 8005 **Duration : 3 Hrs**
No. of page/s: 2

SECTION A **Answer all questions**	**[6*5 Marks = 30 Marks]**	
Briefly explain the following terminologies: 1. Sustainable Development Goals 2. Energy Security 3. Delphi Method of Forecasting 4. Decarbonisation 5. Grid Parity 6. Grid Stability	**30**	**CO1**
SECTION B **Answer all questions**	**[5*10 Marks = 50 Marks]**	
1. Based on Draft National Energy Policy, discuss the future electricity mix of India.	**10**	**CO2**
2. Electric Vehicles and Electricity Storage Options are expected to radically transform power sector in India. Discuss.	**10**	**CO2**

3. Integrated power resources management is essentially dependent on effective implementation of smart grid. Justify.	**10**	**CO2**
4. Explain the reasons behind the success of Grameen Shakti experiment with solar home systems in Bangladesh.	**10**	**CO2**
5. Discuss the pros and cons of forecasting based on time-series model.	**10**	**CO2**
SECTION C **Answer any one question from this section.**	**[1*20 Marks = 20 Marks]**	
1. Discuss the factors that are generally considered for estimating future electricity demand.	**20**	**CO3**
2. Cities such as Dubai and Masdar are classic examples of integrated resource management. Discuss the lessons for India from such innovative practices in Dubai and Masdar.	**20**	**CO3**