

Name:  
Enrolment No:



**UNIVERSITY OF PETROLEUM & ENERGY STUDIES**  
**End Semester Examination (Online) – July, 2020**

**Program: MBA (Power Management)**  
**Subject/Course: Solar Power Development and Management**  
**Course Code: PIPM 7005**

**Semester: II**  
**Max. Marks: 100**  
**Duration: 3 Hours**

**IMPORTANT INSTRUCTIONS**

1. The student must write his/her name and enrolment no. in the space designated above.
2. The questions have to be answered in this MS Word document.
3. After attempting the questions in this document, the student has to upload this MS Word document on Blackboard.

	<b>Answer any five questions</b>	<b>Marks</b>	<b>COs</b>
Q.1	Solar PV power generation is dependent on several geo-climatic conditions. Justify.	20	CO1, CO2
Q.2	From power generation perspective, 1 MW of solar power (both solar PV and solar thermal) is quite different from 1 MW of coal based power generation. Discuss.	20	CO1, CO2, CO4
Q.3	In comparison to solar PV power, discuss the features of solar thermal power that make it a more suitable power generation option for grid stability.	20	CO2, CO3
Q.4	Discuss the role of Solar Park in promotion of solar power industry in India.	20	CO2, CO3, CO4
Q.5	The power generation capacity of solar PV power plants varies with its age. Justify using the concept of degradation and performance guarantee.	20	CO2, CO3
Q.6	Discuss the solar rooftop policy in India and suggest suitable policy measures to enhance adoption of solar rooftops by households.	20	CO2, CO3, CO4

**ANSWERS**

