

Roll No: -----

**Name:**

**Enrolment No:**



UNIVERSITY WITH A PURPOSE

**UNIVERSITY OF PETROLEUM & ENERGY STUDIES**

**End Semester Examination – May, 2021**

**Program/course: MBA (Power Management)**  
**Subject: Solar Power Development and Management**  
**Code: PIPM 7005**  
**No. of page/s: 2**

**Semester : 2<sup>nd</sup>**  
**Max. Marks : 100**  
**Duration : 3 Hrs**

**SECTION A**

**Answer all questions**

**[6\*5 Marks =  
30 Marks]**

Briefly explain the following:

1. GHI
2. DNI
3. RPO
4. CUF
5. Solar Park
6. National Solar Mission

**30**      **CO1**

**SECTION B**

**Answer all questions**

**[5\*10 Marks =  
50 Marks]**

1. Discuss the challenges and opportunities associated with solar power in India.
2. During last few years, solar power tariffs have been consistently falling in India. Discuss main reasons for such a trend.
3. In the estimation of solar power tariff, principal component of loan and equity component is not included directly but it is indirectly accounted in the tariff. Justify.
4. In India, there has been large scale capacity addition of solar PV but very little

**10**      **CO2**

**10**      **CO2**

**10**      **CO2**

**10**      **CO2**

installation of solar thermal power plant. Explain the reasons.		
5. Discuss the role of solar power in future electricity mix of India.	<b>10</b>	<b>CO2</b>
<b><u>SECTION C</u></b>  <b>Answer any one question from this section.</b>	<b>[1*20 Marks = 20 Marks]</b>	
1. As an advisor to Government of India on Renewable Energy, suggest four policy initiatives for accelerated development of solar power industry in India.	<b>20</b>	<b>CO3</b>
2. Solar Thermal power plants have certain advantages over Solar PV power plants. Briefly explain those advantages.	<b>20</b>	<b>CO3</b>