

Name:  
 Enrolment No:

**UNIVERSITY OF PETROLEUM & ENERGY STUDIES**
**Online End-Semester Examination – May-June, 2021**
**Course:** Product Lifecycle Management

**Semester :** II

**Program:** MBA (OP&M)

**Time :** 3 Hours

**Course Code:** LSCM 8019

**Max. Marks:** 100

**SECTION – A**

Qs. No.	Give a suitable answer to following questions.	Marks	COs
Q.1	DFSS and CAQ stand for _____ and _____.	[5]	CO 1
Q.2	The four phases of PLM model are _____, _____, _____, and _____.	[5]	CO 1
Q.3	Mass production in assembly line resulted in ____ industrial revolution. [1 <sup>st</sup> /2 <sup>nd</sup> /3 <sup>rd</sup> /4 <sup>th</sup> ]	[5]	CO 1
Q.4	PLM and ERP are equally good in rendering the production functions. [True/ False]	[5]	CO 1
Q.5	Lean PLM can handle the highest degree of product complexity. [True/ False]	[5]	CO 1
Q.6	_____ is an example of a PLM-Thread. [CAD/ EDM/ PDM/ CIM/ All/ None]	[5]	CO 1
<b>SECTION – B</b>			
Q7	Give an analytical answer showing how the digital manufacturing provides better results in a business.	[10]	CO 2
Q8	PLM approach to business takes care of the products beyond the factory gate. Justify.	[10]	CO 4
Q9	Explain in detailed the principles of digital manufacturing transformations highlighted in Industry 4.0.	[10]	CO 4
Q10	Write short notes on – (i) Design Thinking (ii) A Design-led Business	[10]	CO 1
Q11	What is concurrent engineering? Explain how the approach is followed in PLM with reference to PLM wheel in terms of – people, process, tools, methods, technology and data.	[10]	CO 3
<b>SECTION – C</b>			
Q12	Explain how PLM implementation project activities are done in a company by doing the assessment of its readiness for the same.	[20]	CO 4

**ANSWERS**