

Name:
Enrolment No:



UNIVERSITY OF PETROLEUM & ENERGY STUDIES
End Semester Examination – Dec- 2022

Program: MBA Oil & GAS
Course: Introduction to Information System Management of Petroleum Sector
Course Code: OGOG 7008

Semester: I
Max. Marks: 100
Duration : 3 Hours

SECTION- A
Each Question will carry 2 Marks

S.No.	Question											
Q.1	Expand the followings abbreviations, 1. OASIS 2. W3C	CO1										
Q.2	Relate the following GIS products to their Providers from the given list <table border="0"><thead><tr><th>Product</th><th>Provider</th></tr></thead><tbody><tr><td>a. IDRISI</td><td>a. ESRI</td></tr><tr><td>b. ArcGIS</td><td>b. Microsoft</td></tr><tr><td>c. MapPoint</td><td>c. ESRI</td></tr><tr><td>d. Arcview</td><td>d. Clark Lab</td></tr></tbody></table>	Product	Provider	a. IDRISI	a. ESRI	b. ArcGIS	b. Microsoft	c. MapPoint	c. ESRI	d. Arcview	d. Clark Lab	CO1
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a. IDRISI	a. ESRI											
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c. MapPoint	c. ESRI											
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Q.3	Define Transaction Processing System (TPS).	CO1										
Q.4	Define Croud sourcing platforms	CO1										
Q.5	Define IIOT with one example from midstream sector	CO1										
Q.6	Information technology is; a. A subset of information system b. A broader concept of information ssystem c. Another name of computer system d. None of the above	CO1										
Q.7	In order to understand MIS, a manager needs to know; a. Computer programming b. Basics of computer/IT and information systems along with issues, challenges of managing MIS c. Advance concepts of computer science	CO1										
Q.8	MIS performs the following tasks a. Capture data, process data and store information b. Retrive information and disseminate information c. a & b d. None of the above	CO1										
Q.9	Decision making is a process of selecting; a. One optimum alternative from among alternatives of a course of action b. Many alternatives among many alternatives of a course of action	CO1										

	c. One of the only alternative available for a cause of action d. None of the above	
Q.10	Linux is a well known and widely used; a. Open source operating platform b. Java platform c. Communication software d. None of the above	CO1

SECTION- B

Each Question will carry 5 Marks

Q.1	Describe the historic oil & gas data uploaded on Texas Rail Road commission website and its benefits.	CO2
Q.2	Define Knowledge Management System (KMS) and how would you develop a KMS in an organization?	CO2
Q.3	Describe the NDR of UK Oil & Gas authority, its digital platform and uses for wider	CO2
Q.4	Describe how investments in complementary assets can lead to superior busniss returns?.	CO2

SECTION- C

Each Question will carry 10 Marks

Q.1	How are information systems transforming business, and what is their relationship to globalization?	CO3
Q.2	Discuss various categories of e- commerce. Give at least one example of each category. How has e-commerce changed consumer retailing and B2B transactions in petroleum industry?	CO3
Q.3	Describe the different operation modules of SAP ERP with focus on SAP IS –OIL, SD and MM.	CO3

SECTION- D

Each Question will carry 15 Marks

Q.1	<p>The crude/refined product movements are complex and involve planning and scheduling to link demand and supplies with Purchase and/or Sales Contracts, physical locations, transport systems, scheduled timelines and the Partners involved. TSW's Planning tools allow Schedulers to set up scheduled movements that will tie all the above entities.</p> <p>Discuss and analyze the case study of "Procure <i>Crude from vendor in Alaska onto a Marine Vessel and transport it to Refinery Location in California</i>".</p>	CO4
Q.2	<p>Describe the various IT initiatives taken by ONGC- <i>A Move towards Business Process Re-Engineering of the enterprise</i> as part of organizational transformation and SCADA architecture for all its assets.</p>	CO4