

Name:

Enrolment No:



UNIVERSITY OF PETROLEUM AND ENERGY STUDIES
End Semester Examination, May 2019

Course: Enterprise Information Architecture

Semester: VIII

Program: B.Tech CS-BAO

Course Code: CSIB391

Time 03 hrs.

Max. Marks: 100

Instructions: All Questions are compulsory. Some internal choices are provided.

SECTION A

| S. No. | | Marks | CO |
|--------|---|-------|-----|
| Q 1 | Explain various layers in Enterprise Architecture? | 5 | CO1 |
| Q.2 | For any Enterprise , what are the main pillars of Enterprise Information? | 5 | CO2 |
| Q.3 | What is KPI based Business performance Management? | 5 | CO3 |
| Q.4 | Explain about data streaming capabilities. | 5 | CO4 |

SECTION B

| | | | |
|-----|---|--------|-----|
| Q.5 | Elucidate the basic requirements for cloud computing as a new delivery model within EIA reference architecture. Or Summarize the relevant capabilities of Enterprise Information services in a cloud environment. | 10 | CO5 |
| Q.6 | Analyze the following capabilities of EIA Reference Architecture: a) Master Data management Capability b) Enterprise Content management capability | 2x5=10 | CO3 |
| Q.7 | Describe Reference Architecture and how is Enterprise Information Architecture is embedded with it? | 10 | CO1 |
| Q.8 | How can we access the maturity of EIA? | 10 | CO2 |

SECTION-C

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|-----|--|----|-----|
| Q.9 | Healthcare systems worldwide struggle to address increasing costs, inconsistent quality and inaccessible care. Demonstrate the use of EIA component model to satisfy the industry specific application needs . Or a) Explain SOA and prepare its Framework. [10] | 20 | CO5 |
|-----|--|----|-----|

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|------|---|---------------------|------------|
| | b)Elucidate different challenges and services offered by SOA?[10] | | |
| Q.10 | How an organization can implement EIA , what are the strategies required? | 2x10= 20 | CO4 |

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SECTION A

| S. No. | | Marks | CO |
|--------|--|-------|-----|
| Q 1 | Explain data masking and need for it? | 5 | CO1 |
| Q.2 | Justify the importance of EII? | 5 | CO4 |
| Q.3 | Analyze the various components of mashup. | 5 | CO3 |
| Q.4 | What is ETL, explain in context to information in an enterprise. | 5 | CO1 |

SECTION B

| | | | |
|-----|--|--------|-----|
| Q.5 | Explain the role of EIA components in Dynamic warehousing. Or Summarize the relevant capabilities of Enterprise Information services in a cloud environment. | 10 | CO5 |
| Q.6 | Analyze the following capabilities of EIA Reference Architecture: a) Meta Data management Capability b) Business Performance management capability | 2x5=10 | CO3 |
| Q.7 | Describe Reference Architecture and how is Enterprise Information Architecture is embedded with it? | 10 | CO1 |
| Q.8 | Breakdown the information Agenda and explain each part in context with EIA? | 10 | CO2 |

SECTION-C

| | | | |
|------|--|---------|-----|
| Q.9 | City Bank has started their new Branch XYZ city assuming suitable data : Discuss the role of different capabilities this system should possess. Or Discuss the role of new trends in Business analytics & optimization considering one suitable Use Case. | 20 | CO5 |
| Q.10 | a) Prepare the Architecture overview diagram for the information centric components of IUN. b) explain briefly about the multiple layers of AOD for IUN solution | 2x10=20 | CO4 |

