[6003]-578
T.E. (Honors)
CYBER SECURITY
Enterprise Architecture and Components
(2019 Pattern) (Semester - II) (310403)

Time : 2½ Hours]   *[Max. Marks : 70*

Instructions to the candidates:

   1) *Attempt question Q.1 or Q.2, Q.3 or Q.4, Q.5 or Q.6, Q.7 or Q8.*

   2) *Neat diagrams must be drawn wherever necessary.*

   3) *Assume suitable data, if necessary.*

Q1) a)   Explain the following.   **[9]**

        i)   Business performance presentation services

        ii)   Embedded analytics

        iii)   Infrastructure security component

    b)   List the components of information architecture. Explain information architecture in details along with its goals.   **[9]**

<div align="center">OR</div>

Q2) a)   Describe component relationship diagram for enterprise information architecture (EIA) using various techniques from domains of enterprise application integration (EAI) and enterprise information integration (EII).

                                                           [9]

    b)   Describe internal and external components of information delivery channels.   **[9]**

Q3) a)   What is operational model? Explain various types of operational model level.   **[9]**

    b)   Discuss context of operational model design techniques.   **[8]**

<div align="center">OR</div>

Q4) a)   What is service quality of MDM? Explain service quality in detail.   **[9]**

    b)   Explain standards used for operational model relationship diagram in brief.

                                                           [8]

Q5) a) Describe non-functional requirements and indicates their relevance in the metadata context. **[9]**

b) Explain metadata management component model with diagram. **[9]**

OR

Q6) a) What is metadata management? Describe metadata usage maturity levels. **[9]**

b) Describe subcomponents of the MDM services component. **[9]**

Q7) a) Describe enterprise security architecture in detail. **[9]**

b) Explain the TOGAF lifecycle and how TOGAF framework can be used to create the projects. **[8]**

OR

Q8) a) Explain SABSA lifecycle with example. **[9]**

b) Describe the principles of COBIT **[8]**