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B.E. (Information Technology)

SOFTWARE PROJECT MANAGEMENT

(2019 Pattern) (Semester - VII) (414442)

Time : 2½ Hours]   *[Max. Marks : 70*

Instructions to the candidates:

1) *Answer Q1 or Q2, Q3 or Q4, Q5 or Q6, Q7 or Q8.*
2) *Neat diagrams must be drawn wherever necessary.*
3) *Figures to the right side indicate marks.*
4) *Assume suitable data, if necessary.*

Q1) a) Describe IT Project Risk Identification Framework. Explain the types of risk with examples. **[9]**

b) How do Network Diagrams help in Project Planning? Define Predecessor, Successor, and Parallel Activities. Give a real-world example of each.**[9]**

OR

Q2) a) Explain objectives of activity planning in detail with suitable example.**[9]**

b) List different project scheduling Techniques? Explain the Difference between CPM and PERT. **[9]**

Q3) a) What are the different tools and methods used for monitoring and regulating project operations? **[8]**

b) What are the different methods used in visualizing progress. Explain in detail **[9]**

OR

Q4) a) Explain version control and change control process in SCM with neat diagram. **[8]**

b) Explain plan monitor control cycle used in the project in detail with example. **[9]**

P.T.O.

Q5) a) How to select a right person for the job? Explain the recruitment process in detail. **[9]**

b) What is Leadership? Explain Different approaches of leadership. **[9]**

OR

Q6) a) Explain Oldham-Hackman job characteristic model. **[9]**

b) With relevant examples, differentiate between management and leadership. **[9]**

Q7) a) Explain any four metrics used for developer practices? **[6]**

b) Define Application Lifecycle Management (ALM) tools? What feature should be considered while choosing an ALM Tools? List some examples of ALM tools? **[6]**

c) List any four examples of reports for metrics in agile projects? **[5]**

OR

Q8) a) Explain application life cycle with its phases? **[6]**

b) What is visibility in DevOps? What are the different ways to enable the visibility in Azure DevOps? **[6]**

c) What is Azure Borad? Explain with suitable example? **[5]**

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