[6187]-432

T.E. (Computer Engineering) (Insem)
SOFTWARE PROJECT MANAGEMENT
(2019 Pattern) (Semester - I) (Elective - I) (310245 D) (Theory)

Time : 1 Hour]   *[Max. Marks : 30*

Instructions to the candidates:

1) Answer Q.1 or Q.2 and Q.3 or Q.4.

2) Neat diagrams must be drawn wherever necessary.

3) Figures to the right indicate full marks.

4) Assume suitable data if necessary.

Q1) a) What is a project Management? Explain its importance. **[5]**

b) What is a project? What are the different activites that benefited from project management? **[5]**

c) Explain activites covered by software project management with suitable example. **[5]**

OR

Q2) a) What do you understand by Project Management Body of Knowledge? Explain activities involved in PMBOK. **[5]**

b) What is a work breakdown structure? Explain types of WBS. **[5]**

c) What is a Portfolio Management? Explain in brief. **[5]**

Q3) a) List products created by stepwise planning process. Explain Product Breakdown Structure. (PBS) **[5]**

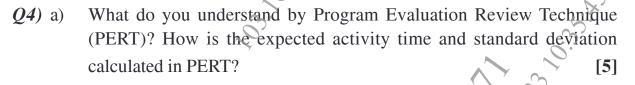b) What are the visualizing aids in SPM? Write brief note on Gantt chart.**[5]**

P.T.O.

c) For following data: **[5]**

Activity	Duration	Precedents
A	6	
B	4	
C	3	A
D	4	B
E	3	B
F	10	
G	3	E, F
H	2	C, D

i) Draw a network diagram for the above project.

ii) Find the total duration required for the project's completion.

OR

Q4) a) What do you understand by Program Evaluation Review Technique (PERT)? How is the expected activity time and standard deviation calculated in PERT? **[5]**

b) What are network planning Models? Explain in detail. **[5]**

c) What are the different activities in project scheduling. **[5]**

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