Day: Wednesday

Time: 02.30 PM TO 05.30 PM

Date: 29/05/2019

Max. Marks: 60

S-2019-2746

N.B.:

1)   All questions are **COMPULSORY.**

2)   Figures to the right indicate **FULL** marks.

3)   Assume suitable data if necessary.

Q.1.   What is project management? Explain the characteristics & objectives of **(10)** project in detail with relevant examples.

OR

Explain the various stages of project management with relevant examples of in software industry context.

Q.2.   The activities of a project and estimated time in days for each activity are **(10)** given below:

Activity	1-2	2-3	2-4	2-5	3-7	4-5	4-7	5-6	6-7
Duration (Days)	3	4	4	5	4	2	2	3	2

i) Draw the activity network diagram for the project.

ii) Calculate project duration and determine critical path.

OR

The following list of activities must be accomplished in order to complete a construction project.

Activity	Time(in weeks)	Predecessors
A	3	---
B	8	---
C	4	A, B
D	2	B
E	1	A
F	7	C
G	5	E, F
H	6	D, F
I	8	G, H
J	9	I

i) Construct a network diagram for this project.

ii) Find the critical path and duration of the project.

P.T.O.

Q.3. Following are the various activities involved in a project. The cost and time **(10)** information is given below:

Activity	Immediate predecessors	Normal Time(day)	Cost(₹)	Crash Time(day)	Cost(₹)
A	----	3	140	2	210
B	----	6	215	5	275
C	----	2	160	1	240
D	A	4	130	3	180
E	A	2	170	1	250
F	A	7	165	4	285
G	B, D	4	210	3	290
H	C, E	3	110	2	160

i) Draw the PERT network.
ii) Find out the critical path and expected project completion time.
iii) What is the minimum possible project completion time after crashing the activities involved in the project and the associated cost of completing the project?

OR

The following are the activities involved in a small project. The cost & time for these activities is given:

Activity	Immediate predecessors	Normal Time(day)	Cost(₹)	Crash Time(day)	Cost(₹)
A	----	6	300	5	400
B	----	8	400	6	600
C	A	7	400	5	600
D	B	12	1,000	4	1,400
E	C	8	800	8	800
F	B	7	400	6	500
G	D,E	5	1,000	3	1,400
H	F	8	500	5	700

i) Draw the project network.
ii) Find the critical path & expected project completion time.
iii) If the project is to be completed within 21 days with minimum crash cost which activities should be crashed & by how many days?

Q.4. Is the difference between PERT & PERT/Cost? How is the project monitored **(10)** and control with PERT/Cost?

OR

State and explain with examples computer applications in project management.

Q.5. What is financial management? Explain functions and scope of financial **(10)** management.

OR

Define financial management. Explain the objectives and importance of financial management.

Q.6. What is capital structure? Explain the role of SEBI in finance. **(10)**

OR

What is meant by:
i) Capital   **ii)** Capital structure   **iii)** Capital budget
iv) Fixed capital   **v)** Working capital

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