

[Time: 3 Hours]

[Marks:80]

Please check whether you have got the right question paper.

- N.B:
1. Question No. 1 is compulsory
 2. Attempt any **Three** questions out of remaining.
 3. Assume suitable data if required.

Q. 1 Solve any Four:

- a) What are the attributes of a project? (05)
- b) Describe project life cycle and its relation with SDLC. (05)
- c) What are the advantages of having and following a project methodology? (05)
- d) Explain why a project's scope must be tied to the WBS. (05)
- e) Describe various stakeholders involved in the project. (05)

- Q. 2**
- a) Describe the five phases of IT project Methodology. (10)
 - b) Suppose you are the project manager of a large software development project. List three common types of risks that your project might suffer? Point out the main steps that you would follow to effectively manage risks in your project (10)

- Q. 3**
- a) Explain work breakdown structure with example. (10)
 - b) Difference between open and closed system. (05)
 - c) Describe the relation between MOV, scope and WBS. (05)

- Q. 4**
- a) Distinguish Resource loading from Resource levelling. Why is levelling of resources preferred to large fluctuations? (10)
 - b) As a project manager, identify the characteristics that you would look for in a Software developer while trying to select personnel for your team. (10)

- Q. 5**
- a) Explain the advantages of a functional organization over a project organization. Also explain why software development houses prefer to use project organization over functional organization (10)
 - b) What is outsourcing? Explain in brief the objectives of procurement management. (10)

- Q. 6**
- a) Consider the following project details as shown in table 1 and field report at the end of Day7 as shown in table 2, At the end of day 7, find (15)
 - 1) ACWP(AC)
 - 2) BCWP(EV)
 - 3) BCWS(PV)
 - 4) CV
 - 5) CPI
 - 6) SPI
 - 7) SV

Table 1

Activity	Predecessor	Duration (days)	Cost/Day	Total Cost
A	-	2	300	600
B	A	3	400	1200
C	B	3	400	1200
D	B	2	200	400
E	D	3	100	300

Table 2

Field report at end of day 7		
Activity	Actual % Complete	Incurred Cost
A	100	600
B	100	1400
C	33	500
D	50	200
E	0	0

b) Explain the steps involved in terminating a project.

(05)
