

## B.C.A. Sem.-5 Examination

## SEC-301

## Software Project Management

November-2025

Time : 2-30 Hours]

[Max. Marks : 70

**Q 1 Write the following.**

(1) Explain Cost benefit analysis. (7)

(2) Explain stack holder and deliverables. (7)

**OR**

(1) Give difference between software project and other types of projects. (7)

(2) What is programme? Explain different forms of programme. (7)

**Q 2 Write the following.**

(1) What is Prototype? Explain with its types. (7)

(2) Explain Waterfall model in detail. (7)

**OR**

(1) Explain Atern Process Model. (7)

(2) Explain Albrecht Function Point Analysis. (7)

**Q 3 Write the following.**

(1) Explain Risk planning in details. (7)

(2) The project A has 9 inputs and 15 outputs. The project B has 12 inputs and 14 outputs. Find out Euclidean distance. (7)

**OR**

(1) Explain Risk Identification in detail. (7)

(2) Draw the activity of node network diagram for the following problem. Find out Critical path and Total duration. (7)

Activity	Duration(Days)	Precedents
A	-	10
B	-	14
C	A	8
D	A	7
E	B	5
F	B	10
G	C	9
H	D,E	11
I	G,H	5

**Q 4 Write the following.**

(1) Define 0/100 technique, Milestone technique and Overheads. (7)

(2) Explain Gantt chart in detail. (7)

**OR**

(1) List out types of contract and explain anyone in brief. (7)

(2) List out nature of resources and explain them in brief. (7)

## Q 5 MCQs (Attempt any 7 out of 12)

(14)

- (1) KLOC stands for \_\_\_\_\_.
- (2) Full Form of PERT.
- (3) A Project is a planned activity. (True / False)
- (4) An 'off-the-shelf' package is also known as \_\_\_\_\_.
  - a) Off-the-shelf
  - b) Customized Off-the-shelf
  - c) Bespoke
  - d) None of above
- (5) Which is not of risk planning task?
  - a) Risk acceptance
  - b) Risk reduction
  - b) Risk avoidance
  - d) Risk deduction
- (6) Which is not category of resources?
  - a) Labour
  - b) Equipment
  - c) Service
  - d) Software
- (7) ) Effort = \_\_\_\_\_ \* \_\_\_\_\_.
- (8) Define Staff costs.
- (9) WTO Stands for \_\_\_\_\_.
- (10) What is Management?
- (11) Full form of MoA.
- (12) Write down Parkison's Law.

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