

GYANMANJARI INNOVATIVE UNIVERSITY

GYANMANJARI INSTITUTE OF TECHNOLOGY
B.Tech.-Mid Semester Examination (MSE)-W2025

Enrollment No.: _____

Subject Code: BETIT, 07391

Subject Name: Software Project Management

Time: 2:30 PM to 4:30 PM

Date: 10/09/2025

Semester: 7

Total Marks: 60

Instructions:

1. Question No. 1 is compulsory.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.

- Q.1 (a) What is project charter?
(b) Describe seven steps involved in project planning.
(c) A small project consists of eight activity has the following characteristics:

Activity	Preceding Activity	Most Optimistic Time	Most Likely Time	Most Pessimistic Time
A	-	2	4	12
B	-	10	12	26
C	A	8	9	10
D	A	10	15	20
E	A	7	7.5	11
F	B,C	9	9	9
G	D	3	3.5	7
H	E,F,G	5	5	5

- a. Draw a PERT network diagram.
- b. Determine the critical path.
- c. Find expected project length.

- Q.2 (a) Explain project management life cycle.
(b) Explain an effective strategy for dealing with Risk in Project Management.

OR

- (b) Write a short note on Project Status Report.
(c) Explain types of WBS structure with diagram and advantages.

OR

- (c) Explain software configuration management process model.

- Q.3 (a) Explain prototype model.
(b) What is critical path analysis?
(c) Explain Extreme Programming approach for software development.

OR

- Q.3 (a) List various SQA activities and explain any one of them.
(b) Explain various risk management activities in detail.
(c) Explain Capability Maturity Model (CMM) in detail.

Marks
05
05

10

05

05

05

10

10

05

05

10

05

05

10