

[03 Hours]

[Total Marks: 80]

- N. B.:** (1) **Question No. 1 is Compulsory.**
 (2) **Attempt any three questions out of the remaining Five questions.**
 (3) **Figures to the right indicate full marks.**
 (4) **Make suitable assumptions wherever necessary.**

- Q1 Answer the following sub-questions (Any Five) 20
 (a) Differentiate between Process and Project management? 4
 (b) Write a note on Stakeholders. 4
 (c) Explain the examination process and procedure for Patents? 4
 (d) Write a note on GANTT Chart with its advantages and disadvantages. 4
 (e) Explain the factors which are considered for the team success. 4
 (f) Explain the Concept of entrepreneur and entrepreneurship 4

- Q2 10
 (a) Explain Project Life Cycle Curve with all phases in detail? 10
 (b) Explain the various types of Cost Estimates. 10

- Q3 10
 (a) Prepare a Feasibility Report for any Chemical industry in brief. 10
 (b) Explain Work Break Down Structure (WBS) in detail. 10

- Q4 10
 (a) Explain the project strategy in process industries 10
 (b) Explain the various Laws and regulations governing Indian industries. 10

- Q5 10
 (a) Explain CAT v/s RAT Analysis with its advantages and disadvantages. 10
 (b) Explain 3 R's of Contracting in brief. 10

- Q6 10
 (a) What do you mean by tender? Explain tendering Procedure in detail. 10
 (b) Draw the PERT Network for the project and find the Critical Path. 10

Activity	Preceding activity	Optimistic Time (O)	Pessimistic Time (P)	Most Likely Time (M)
A	None	2	12	4
B	None	10	26	12
C	A	8	10	9
D	A	10	20	15
E	A	7	11	7.5
F	B, C	9	9	9
G	D	3	7	3.5
H	E, F, G	5	5	5
