

* Module 1 .

- ① Explain the importance of life cycle of Project management (SM) (10M) .
- ② What is expected of the project manager? (5M)
- ③ What are the aspects of project? (10M)
- ④ What is the role of the project manager? (5M)
- ⑤ What are the imp aspects playing a vital role during project implementation phase? Explain each aspect? (10M) (10M)
- ⑥ Which phase of the project is more crucial for project completion? Justify why? (5M)
- ⑦ Project manager need not be a technical person? Justify? (5M)
- ⑧ Write down business plan outline? (10M)

- Difference between project & Operation (5M)
- Definition of project & Project Management .

* Module 2.

- ① What is the importance of risk analysis in project? (5M)
- ② Explain market & demand feasibility in projects? (10M)(10M)
- ③ What are the elements of financial feasibility in projects? (10M)
- ④ Explain the profitability methods available? (10M)
- ⑤ Explain funding methods? (10M)
- ⑥ S.N: Project Risk? (10M)
- ⑦ Sensitivity analysis in projects? (5M)(10M)
- ⑧ Economic feasibility or SCBA in projects? (5M)
- ⑨ Explain importance of pre-feasibility phase of the project? What activity is required & exactly how it is done? Explain (10M)
- ⑩ Explain the different methods of profitability projections? (10M)
- ⑪ How a market & demand feasibility is done? What is the difference between market & demand? (10M)
- ⑫ Explain PBP of financial analysis? (10M)
- ⑬ Explain NPV method of project evaluation with an eg? (10M)
- ⑭ S.N: Cash flow (10M)
- ⑮ Difference between Market & Demand? (5M)

- Project idea generation
- Technical appraisal
- Financial appraisal (Debt/Equity ratio)
- Profitability projections (IRR, Break even Analysis)
- Risk analysis (Scenario analysis)
- Economic feasibility (UNIDO approach)
- Preparing a detailed project proposal

* Module 3.

- ① Write down the elements of project work planning? (10M)
- ② Explain CPM method of time management? (10M)
- ③ S.N → Human resource management in projects? (10M) (10M)
- ④ What is crashing technique in projects? (10M)
- ⑤ Draw fig & explain Work breakdown structure? (10M) With Example? (10M)
- ⑥ Explain Bar chart with eg? (10M)
- ⑦ What is PERT & CPM? Discuss advantage & limitations of PERT & CPM. (10M)
- ⑧ Explain project planning & steps involved in planning? (10M)
- ⑨ What is project organisation? State different types of project organisation? Explain one? (10M)
- ⑩ Explain matrix organisation. (10M)
- ⑪ Explain material planning & control (10M)
- ⑫ S.N: Cost estimating. (10M)
- ⑬ Describe activity "Resource levelling" (5M)
- ⑭ Explain steps involved in crashing process with an example? (10M)
- ⑮ How the human resource planning is done? What are the different types of project organisation? (10M)
- ⑯ Explain techniques of time management in projects? (10M)
- ⑰ What are the elements of project planning? (10M)
- ⑱ Why is material planning important? How is it done? (10M) (10M)
- ⑲ How are resources allocated in projects? (10M) (10M)

- ②② Explain need, technique, advantages, disadvantages of crashing activity in projects? (10M)
- ②① Explain any one type of organisational structure used for projects? (10M)
- ②② What is multiproject scheduling? (10M)
- ②③ What is material requirements planning? (10M)
- ②④ Explain resource leveling? (5M)

- Definition of planning?
- Time planning (Trade off)
- Machines & technology planning
- QAP
- Statutory clearances
- Introduction & use of PM software (5M).

* Module 4.

- ① What are motivational methods available? (10M)
- ② What is the importance of risk management in projects? (10M)(10M)
- ③ Importance & techniques of logistics Management? (10M)
- ④ Write the maslow's Hierarchy of motivation (10M)
- ⑤ Explain team-coordination & its effect on success of project? (10M)

- Communication & reporting (Types & Methods)
- Management of scope
- TQM
- Stake holder management
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* Module 5

- ① What are the documents to be maintained in project management? (10M) (10M)
 - ② Write detailed note on Project Handover?
 - ③ S-N: Inspection (10M)
 - ④ Why a detailed project report is required? What are the elements or aspects which are to be mentioned in report? (10M)
 - ⑤* Aspects to be considered for project closure? (5M)
- Testing
 - Transportation
 - Commissioning
 - Trial Run

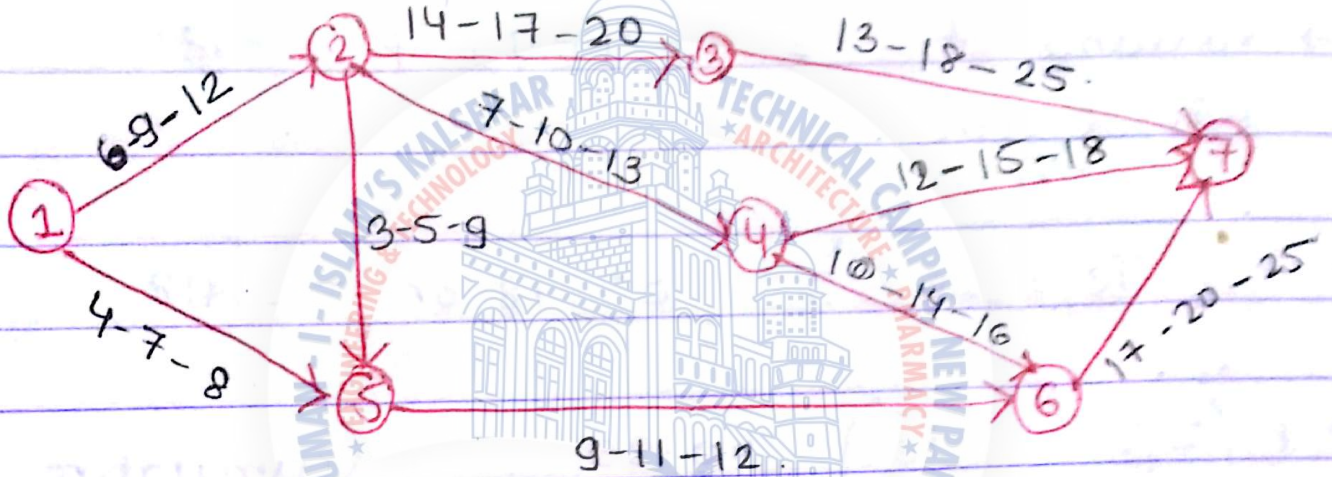
*Module 6.

- ① Detailed note on commercial aspects of tendering process? (10M)
- ② Explain essential elements for a binding contract to be made between two companies? (10M)
- ③ What are the different types of contract? What are the aspects considered for awarding a contract? (10M)(10M)
- ④ Draw and explain logic diagram of bid document preparation & contractor selection? (10M)
- ⑤ What are contractual safeguards (10M)

- Contract closure.

Q	Activity	Predecessor	to	tm	tp.
	A	-	2	4	9
	B	A	5	8	14
	C	B	4	10	13
	D	B	4	7	10
	E	C	11	14	20
	F	D	9	13	16
	G	E, F	2	4	9

- Probability that the project gets completed in 38 days?



Calculate (i) Calculate expected project completion time.

* Assignment No 1

Activity	Time in weeks		
	t_o	t_m	t_p
A (1-2)	4	6	10
B (1-3)	3	7	12
C (1-4)	5	6	9
D (1-7)	2	4	6
E (2-4)	6	10	20
F (2-6)	3	4	7
G (2-7)	5	9	15
H (3-4)	3	7	12
I (4-5)	2	4	5
J (5-6)	1	3	6
K (3-7)	2	5	8
L (6-7)	1	2	9

(a) Draw n/w diagram

(b) Determine critical path

(c) Find standard deviation of critical path duration

(d) Probability of completing the project in 30 weeks

Activity	t_o	t_m	t_p	(a) Draw n/w diagram (b) Determine critical Path.
a (1-2)	9	12	21	
b (1-3)	6	12	18	
c (2-4)	1	1.5	5	
d (3-4)	4	8.5	10	
e (2-5)	10	14	24	
f (4-5)	1	2	3	

* Assignment 2.

- ① Differentiate Project & Operation
- ② What are the most important aspects playing vital role during project implementation phase? Explain each aspect briefly.
- ③ What are the different types of contracts? What aspects are considered for awarding a contract.
- ④ What are the documents to be maintained in project management.