

9. Draw the network diagram and determine the various floats for the following projects :

Activity	A	B	C	D	E	F
Predecessor	-	-	A	B	A	C, D
Duration	4	9	2	5	6	3

SECTION - C

10. Case study

Construct the following schedule of activities and related information for the :

Activity	Months	Variances	Expected Cost(Rs.0,000's)
1-2	4	1	5
2-3	2	1	3
3-6	3	1	4
2-4	6	2	9
1-5	2	1	2
5-6	5	1	12
4-6	9	5	20
5-7	7	8	7
7-8	10	16	14
6-8	1	1	4

You should assume that the cost and time required for one activity are not dependent upon the cost and time of any other activity and variations are expected to follow a normal distribution. You are required to calculate :

- The critical path
- Expected cost of construction of the plant
- Expected time required to build the plant
- The standard deviation of the expected time.

NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.

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