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200917

**POST GRADUATE DIPLOMA
Aerospace Structural Design
Subject: Business Planning & Project Management
Subject Code: OM801
Semester: Second
September 2020
Theory (External): 70 Marks
Time: 03 Hours**

INSTRUCTIONS TO THE STUDENTS

1. Read the questions carefully and write the answers in the answer sheets.
2. Wherever necessary, the diagram drawn should be neat and properly labelled.
3. This questions paper comprises of 8 questions out of which student need to attempt any 4 questions.
4. All questions carry equal marks.
5. The time allotted will be 3 hours for examinations including time of downloading of question paper to emailing of answer books to the concerned Dean/IC.

ESSAY TYPE QUESTIONS

1. What do you mean by project planning? Enumerate the various steps involved in project planning.
2. What do you mean by PERT and CPM? Discuss its advantages and limitations.
3. Discuss the various methods of project evaluation of the projects? Make a comparative analysis of these methods.
4. A project consists of following activities and different time estimates-
 - a) Draw a network diagram
 - b) Find the critical path
 - c) What is the probability that the project will be completed by 27th day?

Activity	Least time	Most time	Most likely time
1-2	3	15	6
1-3	2	14	5
1-4	6	30	12
2-5	2	8	5
2-6	5	17	11
3-6	3	15	6
4-7	3	27	9
5-7	1	7	4
6-7	2	8	5

5. Draft a project proposal of selection and evaluation of four-way track road in India?
6. Explain the basic characteristics of a good project. Also discuss the project management life cycle.

7. List and explain the various types of project feasibility?
8. Consider a details of a project which has 10 activities
 - a) Draw a network of the project.
 - b) Find the critical path and project duration of the critical path.

Activity	A	B	C	D	E	F	G	H	I	J
Predecessor	-	-	-	-	B	E	C	A,F	E	D,G
Duration	6	10	11	9	5	8	2	8	7	4

‘END OF PAPER’