

**POST GRADUATE DIPLOMA**  
**Aero Space Structural Design**  
**Subject: Business Planning and Project Management**  
**Subject Code: OM-801**  
**Semester: Second**  
**January 2021**  
**Theory (External): 70 Marks**  
**Time: 03 Hours**

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**Instructions to the Students**

1. This Question paper consists of two Sections. All sections are compulsory.
2. Section A comprises 10 questions of objective type in nature. All questions are compulsory. Each question carries 2 marks.
3. Section B comprises 8 essay type questions out of which students need to do any 5. Each question carries 10 marks.
4. Read the questions carefully and write the answers in the answer sheets provided.
5. Do not write anything on the question paper.
6. Wherever necessary, the diagram drawn should be neat and properly labelled

**Roll Number**

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**SECTION –A (SHORT/OBJECTIVE TYPE QUESTIONS)**

**(10x2=20 Marks)**

**Explain in brief the following:**

- A. Define Scheduling**
- B. Why PERT and CPM is important to any project?**
- C. Define Project Organization**
- D. What is Conflict?**
- E. Write Problems of Cultural Differences.**
- F. Explain the principle of Balance.**
- G. Define Termination Process.**
- H. Describe process control charts.**
- I. What is SWOT analysis?**
- J. Define the Non-Numerical Model.**

**SECTION –B (ESSAY TYPE QUESTIONS)**  
**(5x10=50 Marks)**

1. (a) Difference between PERT and CPM. Also, give an example for each.  
(b) What are the types of project organizational structure?
2. (a) What is Project management? Explain Project Management Process?  
(b) Explain Project Life Cycle in Details.
3. (a) Write a short note on Audit Construction and Uses.  
(b) What is Simulation? What are the benefits of Monte Carlo Simulation?
4. What are the roles & responsibilities of project manager? What are the Special Demands for Project Managers Explain all the phases of project management?
5. (a) Difference between PERT and CPM. Explain the concept by giving a suitable example.  
(b) Explain techniques of critical path method? Give example also.
6. (a) Describe the concept of Estimating Project Costs and Risk Analysis Using Simulation.  
(b) What is Cost Control? What are the components of capital cost of project?
7. (a) What is risk management? Explain various components of the risk management.  
(b) Explain Matrix Organization and its advantages.
8. (a) What is Planning? Explain the Nature of Planning and Steps involved in Planning Process.  
(b) Write the Limitations of Planning & Requisites for a Successful Plan. Explain Business Planning by using an example.

**\*\*\*\*\*END OF PAPER\*\*\*\*\***