Sem VIII / IT / Project Management / Dec-09

Con. 5398-09. SP–6953

(3 Hours) [Total Marks : 100

N. B. : (1) Question No. **1** is **compulsory**.
(2) Answer any **four** questions out of remaining **six** questions.
(3) **All** questions carry **equal** marks.
(4) Assume **suitable** data, if **necessary**.

1. (a) Explain briefly the contents of Project Master Plan with examples. **10**
   (b) Explain Concurrent Engineering in detail. **10**

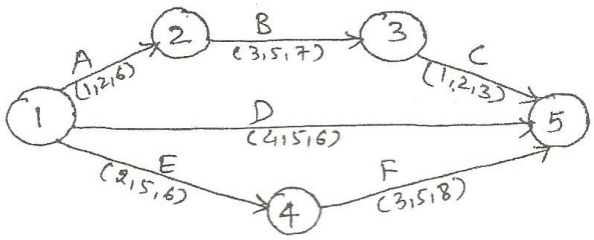
2. (a) Draw the AON and AOA network diagram for the following project and show the critical path. **10**

Activity	Time	Immediate Predecessor
A	2	—
B	5	A
C	2	A
D	5	B
E	5	B
F	5	C
G	1	D
H	1	D
I	2	G
J	1	E, F, H, I

   (b) What is feasibility study ? Explain its types, contents and purpose. **10**

3. (a) State the difference between CPM and PERT. Describe how GERT overcomes the limitations of PERT/CPM. **10**
   (b) Describe the cause-and-effect diagram. Explain with any suitable example. **10**

4. (a) For the network (a, m, b) shown in the **diagram** below, for each activity, compute:— **10**
   (i) te and V for each activity
   (ii) ES, EF, LS and LF for each activity
   (iii) Te and Vp for the project.



   (b) Outline the steps in IGPS. Explain. What do you understand by IGPS ? (Intergroup-problem solving) **10**

5. (a) Clearly explain the six steps involved in the process of managing risk. **10**
   (b) Briefly explain the contents of RFP. **10**

6. (a) Explain the significance of Gantt-charts in project management. **10**
   (b) Explain the system development life cycle in detail. **10**

7. Write short notes on any **two** :— **20**
   (a) Quality function deployment
   (b) Project Termination
   (c) Computerized PNIS
   (d) Six Sigma.
