Total No. of printed pages = 3

BA 172401

Roll No. of candidate

The figures in the margin indicate full marks
for the questions.

(Question No. 1 is Compulsory, and answer any *three* out
of the rest of the questions).

1.   Answer the following (any five) :   (5 × 1 = 5)

   (i)   Responsibility matrices are preferred in large projects with lot of manpower. (True/ False)

   (ii)   Critical activities have no float. (True/False)

   (iii)   The lowest level WBS is called a sub deliverable. (True/False)

   (iv)   Padding estimates distort the project completion estimate. (True/False)

   (v)   Apportionment methods is a good way of estimation he projects are different from each other. (True/False)

                              [Turn over

(vi) Bottom up estimation methods are usually more accurate. (True/ False)

(vii) Delaying critical activities to allocate resources to other non-critical activities is called resource smoothing. (True/False)

(viii) If actual cost is higher than earned value, cost variance is positive. (True/False)

(ix) If cost performance index is more than 1, project is over cost. (True/False)

(x) The quality of estimates are better if the planning horizon is long. (True/ False)

2. Using the following information, draw a network diagram using activity on arrow.

Activity	Immediate Predecessor	Duration
A	—	5
B	—	7
C	A	2
D	B	8
E	B	4
F	E	7
G	C, D	3
H	F, G	4

(a) Find the overall project duration and identify the critical path. Also do a forward and backward pass calculation and calculate the total float. (5 + 3 + 4)

(b) Explain Earliest Start and Latest Finish. (3)

3. (a) Describe the project control process. (8)

(b) Explain the methods of variance analysis and explain the four variations. (7)

4. (a) What is WBS and how does it help a project manager plan better? (7)

    (b) Explain how project priorities are established? (8)

5. (a) What are the options for accelerating project completion when resources are constrained? (7)

    (b) Explain with an example the problems a large organisation might face during multi project scheduling and resource allocation. (8)

6. (a) What are the different phases in a project life cycle? (7)

    (b) What is a project scope checklist? (8)

7. Write short notes on: (any three) (3 × 5 = 15)

    (a) Responsibility Matrix

    (b) PERT

    (c) Project percent complete indexes

    (d) Phase estimation

    (e) Reason for reducing project duration.

————————