

Total No. of Questions : 7]

SEAT No. :

PA-3405

[Total No. of Pages : 2

[5919]-23
M.Sc.
COMPUTER SCIENCE
CSUT - 123 : Software Project Management
(2019 Pattern) (Semester - II)

Time : 3 Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) *Question 1 is compulsory.*
- 2) *Solve any five questions from Q.2 to Q.7.*
- 3) *Q.2 to Q.7 carry equal marks.*

Q1) Solve any five of the following.

[10]

- a) List any four qualities required for project manager?
- b) What do you mean by Project Plan?
- c) Define ROI and NPV.
- d) Define cost estimates and explain its types.
- e) List the outputs of performance reporting process in communication management.
- f) State the purpose of statement of work (SOW).

Q2) a) What is Project Management? Explain project integration management. **[7]**

b) Write short note on GQM. **[5]**

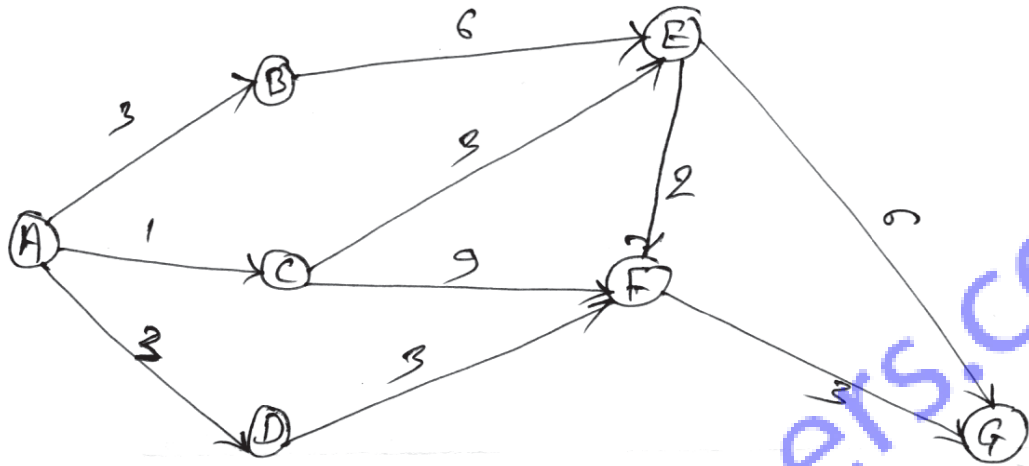
Q3) a) Explain the Bohem's software quality model. **[7]**

b) Write the categories of Risk and explain the Risk management process in details. **[5]**

Q4) a) Explain common elements of a project plan and also describe the overview of the project. **[7]**

P.T.O.

- b) Define CPM. Find critical path for the following Network diagram. [5]



- Q5) a) Explain EVA? Given the following information for a project, answer the following question BCWS = 25,000Rs, BCWP = 15,000Rs, ACWP = 32,000Rs. Find CPI and SPI. [7]

- b) Explain project staff acquisition in detail. [5]

- Q6) a) Explain COCOMO model with example. [7]

- b) Define project charter. Design project charter for college management system. [5]

- Q7) Write short note on any two of the following. [12]

- a) Metrics Plan
b) Resource management
c) Project integration management.

