B.Tech. (Sem. – 7th/8th)
SOFTWARE PROJECT MANAGEMENT
SUBJECT CODE : IT-408
Paper ID : [A0535]

[Note: Please fill subject code and paper ID on OMR]

Time : 03 Hours

Maximum Marks : 60

Instruction to Candidates:

1) Section - A is **Compulsory**.

2) Attempt any **Four** questions from Section - B.

3) Attempt any **Two** questions from Section - C.

Section - A

$(10 \times 2 = 20)$

Q1)

a) What do you mean by software project measurement (SPM)?

b) Is software Engineering an Engineering Discipline? Justify.

c) What are the objectives of software planning?

d) What is the importance of documentation in SPM?

e) Brief the structure of quality assurance team.

f) Why phases are important in Software Development?

g) Define Total Quality Management (TQM).

h) What is risk assessment?

i) Write a short note on Testing and maintenance.

j) What do you mean by Resource Planning?

Section - B

Q2) (a) Explain in brief software design principles.

(b) How does a phased life-cycle model assist software management?

Q3) What are the various controlling activities that support software evolution?

Q4) How ISO is implemented? Explain the procedure for it.

Q5) List the characteristics of 5 level of SEI model. Also list the key elements at each of the five level.

Q6) What are the salient features of ISO 9000 Quality Standards?

Section - C

(2 × 10 = 20)

Q7) (a) What is the difference between TQM and ISO 9000?

(b) What are steps for the accreditation process of SQA?

Q8) (a) Explain the SCM in details.

(b) Discuss the clauses of ISO-9002 standards.

Q9) (a) Discuss in details IEEE Software Quality Assurance Plan.

(b) Write a note on project scheduling and milestone.

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