

Roll No.

Total No. of Questions : 09]

[Total No. of Pages : 02

Paper ID [IT408]

(Please fill this Paper ID in OMR Sheet)

B.Tech. (Sem. - 7th/8th)

SOFTWARE PROJECT MANAGEMENT (IT - 408)

(Elective - III)

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 × 2 = 20)

Q1)

- a) Define software maintenance.
- b) Define CMM levels for software quality assurance.
- c) What is the quality system development?
- d) What is the purpose of software evaluation?
- e) What is risk management?
- f) Differentiate between verification and validation.
- g) Why resource allocation is required?
- h) What are ISO 9003 standards?
- i) What is meant by quality assurance?
- j) What is the function of test and evaluation team?

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Section - B

(4 × 5 = 20)

- Q2)** Categorize the software projects based on size and explain how software engineering projects can be applied to them.
- Q3)** Discuss the organization structure for quality assurance.
- Q4)** What is cost estimation? What are the various factors that affect the cost?
- Q5)** What are the various fundamentals of technical communication? When and where oral communication is required?
- Q6)** Discuss the role of configuration management in controlling software evaluation. Also discuss its role in maintaining product integrity.

Section - C

(2 × 10 = 20)

- Q7)** (a) Discuss the various software engineering problems.
(b) What is a software product?
- Q8)** Discuss the various software product organizational and management issues.
- Q9)** (a) Discuss the five levels of Bootstrap method.
(b) What are the objectives of software engineering?

