Roll No: | | | | | | | | | | | | |

B. TECH.
(SEM VII) THEORY EXAMINATION 2021-22
SOFTWARE PROJECT MANAGEMENT

Time: 3 Hours *Total Marks: 100*

Note: 1. Attempt all Sections. If require any missing data; then choose suitably.

SECTION A

1. **Attempt *all* questions in brief.** **2 x 10 = 20**
- a.
- b. What is the difference between feasibility study and planning?
- c. Differentiate between Spiral and Prototyping model?
- d. What is error tracking?
- e. What is schedule variance?
- f. What is Fagan inspection?
- g. What do you understand by boundary value analysis?
- h. Distinguish between informal and formal review.
- i.
- j. What are the different roles in SCM?

SECTION B

2. **Attempt any *three* of the following:** **10 x 3 = 30**
- a.
- b. What is vision and scope document? Explain in detail.
- c.
- d.
- e. Write a short note on SEI-CMM. How does it differ from ISO-9000?

SECTION C

3. **Attempt any *one* part of the following:** **10 x 1 = 10**
- (a) Discus the network model represented by the CPM network.
- (b) Define hazard. How are hazards identified and analyzed?

4. **Attempt any *one* part of the following:** **10 x 1 = 10**
- (a)
- (b) Explain how project can be evaluated against strategic, technical and economic criteria.

5. **Attempt any *one* part of the following:** **10 x 1 = 10**
- (a) Explain with an example how critical path can be identified in precedence networks.
- (b)

6. **Attempt any *one* part of the following:** **10 x 1 = 10**
- (a) What is software review? Explain its types.
- (b) Describes in details the principles of testing?

7. **Attempt any *one* part of the following:** **10 x 1 = 10**
- (a) Explain in detail about Human Resource Management in detail.
- (b) Write a short note on: -
  (i) Verification and Validation (ii) Quality Assurance and Quality Control