B. TECH.
(SEM-VI) THEORY EXAMINATION 2018-19
SOFTWARE ENGINEERING & MANAGEMENT

Time: 3 Hours   *Total Marks: 70*

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

SECTION – A

1. You are required to answer **all** the parts of this question.   (2×7=14 marks)
   (a) Define software.
   (b) What is RTS?
   (c) Which phase of SDLC is considered most important and why?
   (d) What is quality assurance in software management?
   (e) Define data dictionary.
   (f) What is the need of project plan?
   (g) List various types of risk.

SECTION – B

2. Attempt any **three** parts of the following: (7×3=21 marks)
   (a) Explain the RAD model in detail.
   (b) Explain the process of project estimation.
   (c) What is risk management? Explain reactive and proactive risk strategies.
   (d) Describe the ISO 9000 quality standards in detail.
   (e) What is the advantage of modular design methodology?

SECTION – C

3. Attempt any **one** part of the following: (7×1=7 marks)
   (a) Explain the evolving role of software also describe its characteristics and application.
   (b) Describe the various phases of SDLC.

4. Attempt any **one** part of the following: (7×1=7 marks)
   (a) Write short note on SPM concepts.
   (b) Explain make-buy decision in detail.

5. Attempt any **one** part of the following: (7×1=7 marks)
   (a) Explain risk identification & risk projection.
   (b) What is the need of defining scheduling in development?

6. Attempt any **one** part of the following: (7×1=7 marks)
   (a) Discuss the cost impact of software defects.
   (b) Explain Requirement analysis in detail.

7. Attempt any **one** part of the following: (7×1=7 marks)
   (a) Write short note on: i) Data Design   ii) Interface Design
   (b) Discuss the design considerations in real time system.