Name: Student University Roll No.:	Printed Pages:
School of Engineering First Sessional Examination, Odd Semester (AS: 2023-24) B. Tech: CSE	
Year: 3rd	Semester: 5th
Course Title: Software Engineering Course Code: BCS3501	M.M.: 30 Time: 1 hr

Instructions if any: Read the question Carefully.

	SECTION 'A' Q.N.1. Attempt all parts of the following:	Course Objective	Marks
a)	Which model can be selected if the user is involved in all the phases of SDLC?	CO1	1
b)	What is the difference between Bug and Error?	CO1	1
c)	What is the difference between Risk and uncertainty?	CO	1
d)	Which model is used to check software reliability?	CO	1
e)	What is a function point?	CO	1
	SECTION 'B' **Q.N.2. Attempt any two parts of the following:**	**Course Objective**	**Marks**
a)	How to find the size of a software product?	CO1	7.5
b)	Define an estimation of software development effort for Organic ,Semi-Detached, Embedded software in the basic COCOMO model.	CO1	7.5
c)	What is the limitation of the RAD Model?	CO1	7.5
d)	How to write the Software Requirement Specification(SRS)?	CO2	7.5
	SECTION 'C' **Q.N.3. Attempt any one part of the following**	**Course Objective**	**Marks**
a)	Describe the components and quality which is necessary for the documents of software specification.	CO2	10
b)	Give the benefits of verification and validation in software development and tell about the techniques of verification and validation in the process of software development.	CO1	10
c)	Describe the importance of software Engineering? What should be steps taken under the process of developing a software system.	CO1	

Table 1: Mapping between COs and questions

(Number of COs may vary from course to course)

COs	Questions Numbers	Total Marks
CO1	Q.1(a,b,c,d,e),Q.2(a,b,c),Q.3(b,c)	5+22.5+20=47.5
CO2	Q.2(d),Q3(a)	7.5+10=17.5