CLASS: B.TECH   SEMESTER: V
BRANCH: CSE   SESSION: MO/2022

SUBJECT: IT305 SOFTWARE ENGINEERING

TIME: 2 HOURS   FULL MARKS: 25

INSTRUCTIONS:
1. The total marks of the questions are 25.
2. Candidates attempt for all 25 marks.
3. Before attempting the question paper, be sure that you have got the correct question paper.
4. The missing data, if any, may be assumed suitably.
5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.

			CO	BL
Q1 (a)	Why do you study Software Engineering (write two points)?	[2]	CO1	K2
Q1 (b)	Draw the neat diagrams of XP and Scrum	[3]	CO1	K1

Q2 (a)	Identify the fundamental activities common to all software processes (Explain each activity in one line)	[2]	CO1	K3
Q2 (b)	Create a Use case diagram for course Management Software:	[3]	CO3	K6

        1)At the beginning of each semester,
- Each professor shall register the courses that he is going to teach.

        2)A student can select up to four-course offerings.
- During registration a students can request a course catalogue showing course offerings for the semester.
- Information about each course such as professor, department and prerequisites would be displayed.
- The registration system sends information to the billing system so the students can be billed for the semester.

        3)For each semester, there is a period of time during which dropping of courses is permitted.
        4)Professors must be able to access the system to see which students signed up for each of their course offerings

Q3 (a)	Distinguish the audience of User requirements and System requirements. Explain why Non-Functional requirements are important?	[2]	CO3	K4
Q3 (b)	Analyze the following Requirements:i)Develop an android app using MIT aap inventor for recording the Blood Pressure.It should be user friendly. ii) The data will be stored on HDD.The system will respond in less than 1s.	[3]	CO3	K4

Q4 (a)	Explain Gnatt chart for project scheduling?	[2]	CO2	K2
Q4 (b)	Give one example of the following requirements : Functional ,Data, Performance, Constraints and Guidelines	[3]	CO3	K1

Q5 (a)	Give one example of Product, Project and Business Risk.	[2]	CO2	K1
Q5 (b)	Discuss briefly the advantages and disadvantages of plan driven and agile driven approaches of software development.	[3]	CO1	K6

:::::: 29/09/2022 ::::::M