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MIT-WPU | **MIT WORLD PEACE UNIVERSITY** | PUNE
TECHNOLOGY, RESEARCH, SOCIAL INNOVATION & PARTNERSHIPS

End Semester Examination

May-June 2023

CET2013B - Software Engineering and Testing

Schedule ID: 19554

Faculty/School	Faculty of Engineering & Technology	Term	IV
Program	Second Year, B. Tech	Duration	1 Hours 30 Minutes
Specialization		Max. Marks	40

Read the instructions provided for every question properly before attempting the answer.

Section - 1 : contain(s) **10** question(s) and each question carries **5** mark(s). You can answer any **8** questions out of **10.**

Click **Finish** only after completion of the Exam.

Section - 1 (8 X 5 Marks)
Answer any 8 questions

1	Elaborate functional and non-functional requirements and how they can be gathered?	5 marks	CO1	Remembering
2	Draw class diagram and specify the classes, objects, links and associations for the following scenario. Now a days most of the people are using internet banking for online transaction. What could be the top 2 quality attributes for this system? Justify your answer.	5 marks	CO2	Understanding
3	Explain Fork and Join concept in Activity diagram with a suitable example.	5 marks	CO2	Understanding
4	Draw state machine diagram for coffee vending machine.	5 marks	CO3	Remembering
5	You have been asked to develop a small application that analyzes each course offered by a university and reports the average grade obtained in the course. Discuss the scope that bounds this problem.	5 marks	CO3	Applying
6	Illustrate the significance of Verification and Validation with an example.	5 marks	CO3	Analysing
7	Distinguish between: [6] i) Alpha testing and beta testing ii) Verification and Validation.	5 marks	CO4	Remembering
8	Describe User Interface Testing, Positive testing and Negative testing.	5 marks	CO4	Analysing

9	Explain the role of people, project, process and product in project management.	5 marks	CO5	Analysing
10	Based on project management concepts, make a list of 4-6 guidelines that will lead to software people who work to their full potential. That is, 4-6 commandments for empowering software engineers.	5 marks	CO5	Evaluating

<div align="center">END OF QUESTION PAPER</div>