



VIT

Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

Continuous Assessment Test – I

CSE3001 - Software Engineering

Programme: B.Tech

Duration: 90 Mins

Slot: F1

Max. Marks: 50

Answer all questions

S.No.	Question
1.	<p>Assume that you are a <u>team leader of multimedia facilities</u> to be handled for VIT Rivera 2019. The facilities includes, process associated with the <u>cultural and gaming contest</u>. You are requested to <u>plan and schedule the task associated with the multimedia related activities</u>. As a team leader, you are planning to create a <u>digital diary</u> for providing the <u>entire task, detail, and schedules</u>. [2 M]</p> <p>a) Define the scope for the application. [2 M]</p> <p>b) You are supposed to identify appropriate process model for the application. It is assuming that process models such as waterfall, RAD, incremental and prototyping model are suitable for the application. As a team leader, you have to propose only one model for the entire processes execution. Which one would you prefer? [2 M]</p> <p>c) State any three reasons for choosing the as a suitable one. [3 M]</p> <p>d) Provide one reason for each of the model that is not found appropriate. [3 M]</p>
2.	<p>a) List out the various <u>task and sub tasks</u> involved in the process of <u>deciding the decoration and multimedia facilities</u> during the Rivera 2019. [Hint: Minimum of Three Tasks need to be identified] [3 M]</p> <p>b) Generate a hierarchical structure for the identified tasks and sub-tasks and highlight the major processes involved. [4 M]</p> <p>c) Assign the approximate schedule for the identified tasks and sub tasks. [4 M]</p> <p>d) From the identified task and sub tasks, derive the roles and responsibilities of the people involved in the processes and represent it in the work break down structure form to ensure the monitoring and tracking process. [4 M]</p>

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3.

Consider the development of digital diary for organising the decoration and multimedia activities happening during Rivera 2019. To develop it, various requirements with different perspectives to be collected and analysed. In order to perform the analysis for digital diary elucidate the following.

[2 M]

a. List any four different users' of the system.

b. Write any two specific requirements satisfying each of the users' mentioned in question number 3.a.

[8 M]

c. Define three emergent requirements, which decide the core non-functional requirement of the system.

[5 M]

4. Fill in the blanks

[4 M]

a. _____ is part of the system engineering process concerned with developing the software infrastructure, control applications and databases in the system.

b. The _____ allows for the straightforward definition of milestone progress.

c. _____ provides a framework for effective delivery of technology, forms the basis for management and also provides the context for work products, milestones, quality measures, and change management.

d. _____ is arranged in a hierarchy and constructed to allow feel clear and logical groupings.

5. True or False

[3 M]

a. A stakeholder is anyone who will purchase the completed software system under development.

b. Requirements should specify 'what' but not 'how'.

c. A Software is not correct until it not meets all the user requirements.

6. Match the following

[3 M]

A	B
1. Umbrella Activity	a. Testing
2. Framework Activity	b. Scheduling
3. Milestone	c. Configuration Management