

University of Mumbai
Examination June 2021

Examinations Commencing from 1st June 2021

Program: **Information Technology**

Curriculum Scheme: Rev2016

Examination: TE Semester VI

Course Code: ITC601 and Course Name: SEPM

Time: 2 hour

Max. Marks: 80

Q1.	Choose the correct option for following questions. All the Questions are compulsory and carry equal marks
1.	For a well understood data processing application it is best to use
Option A:	Waterfall model
Option B:	Prototyping model
Option C:	Evolutionary model
Option D:	Spiral model
2.	Which is the most important feature of spiral model?
Option A:	Quality management
Option B:	Risk management
Option C:	Performance management
Option D:	Efficiency management
3.	XP recommends that two people work together at one computer workstation to create code for a story. This process is called as
Option A:	Pair programming
Option B:	Spike solutions
Option C:	Refactoring
Option D:	Project velocity
4.	Which one of the following is most important stakeholder
Option A:	Manager
Option B:	Software tester
Option C:	Business analyst
Option D:	End User
5.	A review of SRS document is done by
Option A:	Customer

Option B:	Developer
Option C:	Customer and developer
Option D:	Third party
6.	The overall structure of the software and the ways in which that structure provides conceptual integrity for a system is called as
Option A:	Abstraction
Option B:	Architecture
Option C:	Modularity
Option D:	Information Hiding
7.	_____ is a qualitative measure of the degree to which classes are connected to one another
Option A:	Coupling
Option B:	Cohesion
Option C:	Modularity
Option D:	Abstraction
8.	Alpha testing is done at
Option A:	Customers location under controlled environment
Option B:	Customers location under uncontrolled environment
Option C:	Developers location under controlled environment
Option D:	Developers location under uncontrolled environment
9.	Who manages the effects of change throughout the software process?
Option A:	Software project tracking and control
Option B:	Software configuration management
Option C:	Measurement
Option D:	Technical reviews
10.	MTTC stands for _____ .
Option A:	Mean time to change
Option B:	Modular time to change
Option C:	Mean time to control
Option D:	Modular time to control
11.	Gantt chart is mostly used for

Option A:	Routing
Option B:	Scheduling
Option C:	Follow up
Option D:	Inspection and quality control
12.	Sometime following suffice the RMMM document
Option A:	Risk information sheet
Option B:	Risk management sheet
Option C:	Risk Analysis sheet
Option D:	Risk tracking sheet
13.	Which of these is not a task of Requirements engineering process
Option A:	Inception
Option B:	Elaboration
Option C:	Specification
Option D:	Modeling
14.	Anyone who benefits in a direct or indirect way from the system which is being developed is called as
Option A:	Stakeholder
Option B:	User
Option C:	Customer
Option D:	Developer
15.	Which of the following is not a quality attribute
Option A:	Functionality
Option B:	Usability
Option C:	Reliability
Option D:	Negotiability
16.	Effective software project management focuses on the four P's. What are those four P's?
Option A:	People, performance, payment, product
Option B:	People, product, performance, project
Option C:	People, product, process, project
Option D:	People, program, project, performance
17.	A stub is a

Option A:	Is a main module to the component to be tested
Option B:	Is a subordinate module to the component to be tested
Option C:	Is a module to be tested
Option D:	is a function to be tested
18.	Sequence diagrams and state diagrams are considered as types of
Option A:	Scenario-based elements
Option B:	Flow oriented elements
Option C:	Behavioral elements
Option D:	Class-based elements
19.	Which of the following is a project scheduling method that can be applied to software development?
Option A:	PERT
Option B:	CMM
Option C:	CPM
Option D:	CPM and PERT
20.	What is PERT analysis based on?
Option A:	Optimistic time
Option B:	Pessimistic time
Option C:	Most likely time
Option D:	Optimistic, pessimistic and most likely time

Q2	Solve any Two Questions out of Three	10 marks each
A	Prepare a complete SRS for online job recruitment system.	
B	Write a short note on SCM process and explain how change control and version control are carried out in SCM	
C	What is quality? Explain McCall's Quality factors. List six quality attributes for ISO 9126.	

Q3	Solve any Two Questions out of Three	10 marks each
A	Draw the state chart diagram and activity diagram for ATM system.	
B	Explain agile methodology and its method.	
C	Explain RMMM plan.	