Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University under Category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)
Re-accredited with 'A+' Grade by NAAc. Recognised by UGC Under Section 12B
Coimbatore - 641 043, Tamil Nadu, India

Master's Degree Examination – June 2021
IV Semester

Class : II M.Com **Time: 3 hours**
Major : Commerce (Computer Applications) **Max. Marks: 100**

17MCCC22 Software Engineering

Part A **10 x 1=10**

Choose the correct answer

1. Design phase is followed by _____ CO1K1
   a. Coding b. Testing c. Maintenance d. None of the above

2. _____is a difficulty of writing useful and efficient computer programs in the required time. CO1K2
   a. Software Myths b. Software crisis
   c. Software Process d. None of the mentioned

3. _____ of the following is not considered as a risk in project management CO2K1
   a. Specification delays b. Product competition
   c. Testing d. Staff turnover

4. _____are in charge of the planning, scheduling, budgeting, execution, and delivery of software and web projects CO2K1
   a. team b. Project c. Customers d. Project Manager

5. _____ of the following is not an appraisal cost in SQA CO3K1
   a. inter-process inspection b. Maintenance
   c. quality planning d. Testing

6. _____requirements are the foundation from which quality is measured? CO3K2
   a. Hardware b. Software c. Programmers d. None of the mentioned

7. _____is a structured representation of the functions within the modelled system CO4K1
   a. Data Modeling b. Software Prototype
   c. Function Modeling d. None of the mentioned

8. _____is the process of creating a data model for an information system by applying certain formal techniques. CO4K1
   a. Function Modeling b. Software Prototype
   c. Data Modeling d. None of the mentioned

9. _____is a process, to evaluate the functionality of a software application. CO5K1
   a. Verfication b. Testing c. Implementation d. Validation

10. _____is a level of testing that validates the complete and fully integrated software product. CO5K1
    a. System testing b. Unit Testing c. Validation testing d. Blackbox testing

Part B **5 x 6 = 30**

Answer ALL questions

Each answer should not exceed 400 words or two pages

11.a. Write short notes on software crisis	CO1K4
(or)	
11.b. What is the use of software myths? Explain	CO1K1
12.a. What are metrics for software quality	CO2K3
(or)	
12.b. Explain decomposition techniques	CO2K2
13.a. Write short notes on software quality assurance	CO3K3
(or)	
13.b. What is Formal Technical Reviews? Explain	CO3K4
14.a. What is software prototyping? Explain	CO4K1
(or)	
14.b. What is the use of data modelling? Explain	CO4K3
15.a. Write short notes on black box testing	CO5K3
(or)	
15.b. What is system testing? Explain	CO5K3

Part C **5 x 12 = 60**

Answer ALL questions

Each answer should not exceed 800 words or four pages

16.a. Discuss software process models briefly	CO1K3
(or)	
16.b. Explain role of software and it's applications	CO 1K1
17.a. Describe integration techniques briefly	CO 2K2
(or)	
17.b. Discuss decomposition techniques briefly	CO 2K3
18.a. Explain various SQA techniques briefly	CO 3K3
(or)	
18.b. Discuss various SCM process techniques briefly	CO 3K2
19.a. Explain requirements and analysis principles briefly	CO 4K2
(or)	
19.b. Illustrate data modelling and behaviour modelling briefly	CO 4K3
20.a. Explain testing and their fundamentals briefly	CO 5K2
(or)	
20.b. Compare validation and unit testing	CO 5K4

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