Examination October 2020

B.Sc. T.Y (Sem-V)

2179 Computer Science Paper CS 015(Software Engineering)

Time: One Hour   **Max. Marks: 30**

Instructions
Solve any 25 questions

1 Software makes use of non-numerical algorithms to solve complex problems that are not amenable to computation

(A)Artificial intelligence | (B)System | (C)Embedded | (D)Real Time

2 -------------- is not susceptible to the environmental maladies that cause hardware to wear out.

(A)Manufactured | (B)System | (C)Hardware | (D)Software

3 Software engineering approach is used to achieve:

(A)Better performance of hardware | (B)Error free software | (C)Reusable software | (D)Quality software product

4 Which of the follwing is not the attributes of Web app

(A)Network intensive | (B)Content drive | (C)Network security | (D)Continuous evolution

5 What are the four framework activities found in XP process model

(A)Analysis, design, coding, testing | (B)Planning, analysis, design, coding | (C)Planning, analysis, coding, testing | (D)Planning, design, coding, testing

6 A software ----------- propagated misinformation and confusion.

(A)product | (B)Myths | (C)Error | (D)None

7 The bedrock that supports software engineering is a ----------.

(A)Process | (B)Quality focus | (C)Methods | (D)Tools

8 The foundation for software engineering is the --------- layer.

(A)Process | (B)Quality focus | (C)Methods | (D)Tools

9 Which is the first activity in Linear Sequential Model

(A)Design | (B)Analysis | (C)Testing | (D)Coding

10 The ------------- designed for straight-line development.

(A)Linear sequential model | (B)Waterfall model | (C)Prototyping model | (D)None

11 SDLC stands for

(A)Software design life cycle | (B)Software development life cycle | (C)System development life cycle | (D)System design life cycle

12 The spiral model was originally proposed by --------

(A)Boehm | (B)Davis and Sitaram | (C)Dr. Winston W. Royce | (D)Bill Gates

13 Software -------- is actually a multistep process that focuses on four distinct attributes of a program

(A)Design | (B)Testing | (C)Code generation | (D)Analysis

14 Which is not a software life cycle model?

(A)Waterfall model | (B)Spiral model | (C)Prototyping model | (D)Capability maturity model

15 Beta testing is carried out by

(A)Users | (B)Developers | (C)Testers | (D)All of the above

16 --------is an attempt to draw on the best features & characteristics of conventional software

(A)unified process | (B)finite process | (C)definite process | (D)None

17 --------- Software engineering combine a philosophy and a set of development guidelines

(A)Agile | (B)Unified | (C)Waterfall | (D)Spiral

18 Agile Alliance defines --------principle for those who want to achieve agility

(A)10 | (B)12 | (C)14 | (D)16

19 Which is the correct key assumption for Agile process

(A)It is difficult to predict in advance which software requirement will persist | (B)For many types of software design & construction are interleaved | (C)Analysis, Design, construction and testing are not as predictable | (D)All

20 What are the four framework activities found in XP process model

(A)Analysis, design, coding, testing | (B)Planning, analysis, design, coding | (C)Planning, analysis, coding, testing | (D)Planning, design, coding, testing

21 ----- encompasses a set of rules & practices that occurs within the context of framework activities

(A)Spiral | (B)XP | (C)Angile | (D)None

22 Which of these software engineering activities are not a part of software processes?

(A)Software dependence | (B)Software development | (C)Software validation | (D)Software specification

23 In essence of software engineering practice "understand the problem "means

(A)Communication and analysis | (B)Modeling and software design | (C)Code generation | (D)Testing and quality assurance

24 Which is the first core principle that focus on software Engineering practice

(A)Maintain vision | (B)Be open to the Future | (C)The Reason It All Exists | (D)KISS—Keep It Simple, Stupid

25 Which is the fourth Principle of software Engineering Communication Practice

(A)Prepare before communication | (B)Face to face communication | (C)Take notes & document decision | (D)Strive for collaboration

26 How many principles are apply in software Engineering Planning Practices

(A)Five | (B)Ten | (C)Fifteen | (D)Twenty

27 ----------is a process of executing a program with the intent of finding errors.

(A)Planning   (B)Testing   (C)Communication   (D)Modeling

28 Which of the following is the principle of software Engineering Deployment Practices

(A)A complete delivery package should be assembled and tested.   (B)A support regime must be established before the software is delivered.   (C)Both a & b   (D)Buggy software should be delivered first, fixed later.

29 Software engineering aims at developing?

(A)Reliable Software   (B)Cost Effective Software   (C)Reliable and cost effective Software   (D)None of Above

30 Software engineering --------- provide automated or semi-automated support for the process and the methods.

(A)Process   (B)Quality focus   (C)Methods   (D)Tools

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