

No. of Printed Pages : 4 180855/170855/120855
Roll No. /030855

Computer Engineering

Subject:- Software Engineering

Time : 3Hrs. M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory (10x1=10)

- Q.1 Which type of system can be felt or seen.

a) Physical b) Abstract

c) Both d) None

Q.2 Which System permits exchange of information across its surroundings

a) Open System b) Closed System

c) Both d) None

Q.3 What is a compiler?

a) System software b) System Hardware

c) None d) Both

Q.4 At which cost the high quality software is produced using optimal process?

a) High cost b) Low cost

c) None d) Both

Q.5 In which language compiler translates the program written in High level language?

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- a) Machine language b) Low level language
c) Assembly language d) None

Q.6 In which language instructions are written in binary code?
a) Low level b) High level
c) Assembly d) None

Q.7 At which stage feasibility study is done in a software development project.
a) First b) forth
c) Last d) fifth

Q.8 Constructive cost estimation model is an algorithm technique. It uses which type of approach for software Planning.
a) Top Down b) Bottom up
c) Both d) None

Q.9 Cyclometric complexity given which type of measure of complexity of a program?
a) Logical b) Physical
c) both d) None

Q.10 Prototype model adopt which approach for program analysis.
a) Throw away b) Evolutionary
c) None

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SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

Q.11 SDLC stands for _____

Q.12 Feasibility Study is the _____ phase of software life cycle model.

Q.13 _____ maintenance is used for posting software to new environment.

Q.14 SRS stands for _____

Q.15 Compiler is a system _____ (hardware/Software)

Q.16 Interpreter is _____ processor

Q.17 GUI stands for _____

Q.18 How do we define software quality.

Q.19 Function oriented approach of software design is a _____ approach.

Q.20 DFD stands for _____

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

Q.21 What do you mean by System? What are open and closed system?

Q.22 Write short note on Gants chart.

Q.23 What is SRS.

Q.24 How many types of maintenance. Explain in brief.

Q.25 What is phased model of software development.

Q.26 Difference between unit testing and integration testing.

Q.27 Difference between top-down and bottom up approach.

Q.28 What are various activities involved during project Planning.

Q.29 What is a DFD? Explain various symbols used in DFD.

Q.30 What is requirement gathering? Explain Step taken for requirement gathering.

Q.31 What are advantages and disadvantages of LOC based metric.

Q.32 Explain about system design approaches in brief.

Q.33 Explain objectives and principle of software testing.

Q.34 Explain about Perfective and corrective maintenance.

Q.35 Explain about Adaptive and preventive maintenance

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions. (2x10=20)

Q.36 Explain cocomo model in detail.

Q.37 Explain Spiral model with its advantages and disadvantages.

Q.38 Write short note on empirical estimation technique

a) Expert judgement

b) Delphi Cost estimation

c) Work breakdown structure (WBS)

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