

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?

(1) 180855/170855/120855
 /030855

- 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

(2) 180855/170855/120855
 /030855

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.

(3) 180855/170855/120855
/030855

- 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 Perfactive 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)

(3420)

(4) 180855/170855/120855
/030855