

FUNDAMENTALS OF INFORMATION TECHNOLOGY

QUESTION BANK

I. MULTIPLE CHOICE QUESTIONS

- 1) Character Coded In ASCII Need _____ [B]
A) 4 B) 8 C) 16 D) 32
- 2) Decimal Number System In The Following Are _____ [B]
a) 0 Or 1 b) 0 to 9 C) 0 to 7 d) 0 To 9 & A To F
- 3) The Binary Number System Consists Of _____ [A]
a) 0 or 1 b) 0 to 9 c) 0 to 7 d) 0 to 9 & A to F
- 4) A Light Source Focuses Light On Entire Line As A Thin Beam Is Called As _____ [A]
a) Scan line b) Line scanner c) scanner d) None
- 5) Black And White Pictures Are Also Known As _____ [B]
a) Engineering Drawing b) Two tones c) multi colour d) multi tone
- 6) The Value Of $(101.01)_2 = (\quad)_{10}$ [D]
a) 505.05 b) 101.01 c) 10.101 d) 5.25
- 7) The Approximate Speed Of Sheet Fed Scanner Is _____ [B]
a) 25 pages b) 50 pages c) 100 pages d) 35 pages
- 8) RGB Colour Combination In 24 Bits Have _____ Million Colours [C]
a) 8 b) 4 c) 16 d) 24
- 9) Brain Of The Computer Is _____ [C]
a) ALU B) Memory C) CPU d) CU
- 10) Which Software Prevents The External Access To A System _____ [A]
a) Firewall b) Gateway c) Router d) virus checker
- 11) SDLC stands for _____ [A]
a) software development lifecycle b) system development life cycle

c) software design life cycle d) system design life cycle

12) Which One Of The Following Is Not A Phase Of Prototyping Model _____
[B]

a) Design b) coding c) prototype refinement d) engineer product

13) Spiral Model Has High Reliability Requirements _____ [A]

a) True b) false c) none d) All

14) Efficiency In A Software Product Does Not Include _____ [B]

a) responsiveness b) licensing c) memory utilization d) processing time

15) What Are Attributes Of Good Software _____ [D]

a) software maintainability b) software functionality
c) software development d) software maintainability & functionality

16) Which Of The Following Is Not A Software Process Quality _____ [B]

a) productivity b) portability c) Timeliness d) visibility

17) Agile Software Development Is Based On _____ [D]

a) incremental development b) iterative development c) linear development
d) both incremental and iterative development

18) In XP Increments Are Delivered To Customers Every _____ Weeks [B]

a) ONE b) TWO c) THREE d) FOUR

19) Which Of The Following Are Some Classical Programming Error _____ [D]

a) use of uninitialized variables c) jump into loops
c) Array indices out of bound d) ALL

20) The Main Advantage Of Adhering To Coding Standard Is _____ [D]

a) Uniform appearance of code b) code understandability
c) good programming practice d) All of the above

II. FILL IN THE BLANKS

- 1) Software is a process and product
- 2) The incremental method is also known as the iterative enhancement model
- 3) The software requirements deal with the requirement of the proposed system
- 4) SCM is an important element of software quality assurance
- 5) Agile process development is an umbrella term for several iterative and incremental software development methodologies
- 6) Rational unified process is also known as Unified process model
- 7) Errors can be detected much early in prototype model
- 8) Waterfall model was introduced in the year 1970
- 9) The structured program consists of well-structured and separated modules
- 10) A software process is the set of activities and associated outcome that produce a Software product
- 11) Information is a processed data that improves our knowledge.
- 12) Black and white pictures are acquired using Scanner
- 13) The Binary conversioin of $(10101)_2$ to decimal equivalent is $((21)_{10})$
- 14) An Image scanner is an Opto-Electronic device
- 15) Audio or sound is of wave form
- 16) The standardized keyboard is also called as keyboard
- 17) A string of bits used to represent a character is known as Byte
- 18) CCD = charged coupled device
- 19) The principle used in colour scanner is to measure intensity of RGB
- 20) The language that computer understand is Binary language

III. DESCRIPTIVE QUESTIONS

- 1) Discuss various types of data in detail with examples?
- 2) What is the goal of data acquisition?
- 3) Explain hexadecimal representation of numbers with examples?
- 4) Explain water fall model in software process?
- 5) Explain software process