TECHNICAL PAPER – II

Time Allowed : 2 hours
Full Marks : 150

Attempt all questions.
All questions carry equal marks of 2 each.

1. One of the characteristics of client in a network is_____________
   (a) initiate request     (b) wait for request
   (c) reply request       (d) accept request

2. In what type of network architecture every workstation has equivalent capability and responsibility?
   (a) Client Server        (b) LAN
   (c) WAN                  (d) Peer to Peer

3. The capacity of transmission media is called It’s_____________
   (a) Bit Rate            (b) Baud Rate
   (c) Bandwidth           (d) Channel

4. The device containing software that help in determining the best path out of available path for particular transmission is called____________
   (a) Repeater            (b) Bridge
   (c) Router              (d) Gateway

5. What are the three classes of IP Address
   (a) A, B and C          (b) X,Y and Z
   (c) P, Q and R          (d) J, K and L

6. What type of cable use light wave to transmit signals?
   (a) Coaxial Cable       (b) Twisted pair
   (c) Fiber Optic cable   (d) None of these

7. What is the steps for joining domain in WindowsXP?
   (a) Right click on MyComputer>Properties>Computer Name> click Change> type in domain name
   (b) Click on Start>All programs>System setting> Click Join domain
   (c) Open control panel> Administrative tools> Network Setting> change domain
   (d) Click on start>All programs>run> type in Network setting and press Enter

8. In windows 2000/XP, which policy determines when accounts shall be locked when failed logon attempts occur?
   (a) Account Policy      (b) User rights Policy
   (c) System Policy       (d) Account Lockout Policy
9. Characteristics of an entity in database system is called ____________
   (a) Attribute  (b) Record
   (c) File       (d) Table

10. In which type of DBMS model there is parent child relationship among data so that one parent can have multiple children and one child cannot have multiple parent.
    (a) Network Model  (b) Relational Model
    (c) Hierarchical model  (d) Distributed model

11. In Relational DBMS model, The combination of more than one fields that uniquely identify a record is called ____________
    (a) Candidate Key  (b) Super Key
    (c) Primary Key    (d) Composite Key

12. In three level architecture of DBMS, which level is closest to the user.
    (a) Conceptual level  (b) View Level
    (c) Physical Level    (d) Interface level

13. *One customer buy many Items and One Item bought by many customers* is an example of
    (a) One to many relationship  (b) One to One relationship
    (c) Many to one relationship  (d) Many to Many Relationship

14. In an E-R diagram a rectangle represent ____________
    (a) Entity Set  (b) Attributes
    (c) Relationship  (d) Link between entities

15. The methods and/or attributes defined in an object class which can be reused by other object class is called ____________
    (a) relationship  (b) inheritance
    (c) copy constructor  (d) reproduction

16. The result of taking the union of several lower level entity sets to produce higher level entity set is called ____________
    (a) Categorization  (b) Aggregation
    (c) Generalization  (d) Specialization

17. If there is more than one copy of same data in RDBMS it is called ____________
    (a) Data duplicate  (b) Data redundancy
    (c) Multi data      (d) Data overhead

18. The number of rows in RDBMS is called ____________
    (a) Size  (b) Weight
    (c) Count  (d) Cardinality

19. A set of permitted values in for each tuple or row of RDBMS is ____________
    (a) Area  (b) Group
    (c) Valid  (d) Domain

20. Entity integrity rule says
    (a) There can be no composite Key
    (b) There can be no Super Key
    (c) Components of Primary Key should not be NULL
    (d) Every key should be unique
21. Which statement is true
   (a) Foreign Key should be primary key to other relation
   (b) Foreign key should be unique
   (c) Foreign Key should be only one in DBMS
   (d) There should be only one foreign Key in a relation

22. A view table is created by using which SQL statement?
   (a) CREATE (b) DESC
   (c) SELECT (d) INSERT

23. How many rules are there in Codd’s rule
   (a) 3 (b) 6
   (c) 10 (d) 12

24. Data about data is normally termed as
   (a) Meta Data (b) Super Data
   (c) Mega Data (d) High order Data

25. In an object oriented model, An object can access data of another object by
   (a) Message Passing (b) Sharing data
   (c) Global Data (d) Grouping

26. Who provide database standard?
   (a) Database User (b) Database Administrator
   (c) Database Developer (d) Database Coder

27. Collection of information stored in database at particular moment is called
   (a) Image (b) Local
   (c) Present (d) Instance

28. If a personal information database table has the following fields NAME, DATE OF BIRTH, SEX, ADDRESS, PHONE NUMBER, HEIGHT, Which field can be primary Key?
   (a) DATE OF BIRTH (b) PHONE NUMBER
   (c) HEIGHT (d) ADDRESS

29. An Excel sheet Linked to MS-Access is
   (a) Memo (b) Number
   (c) OLE object (d) Text

30. In MS-Access, which field property should be set so as the set text will be displayed in invalid entry.
   (a) Input Mask (b) Validation rule
   (c) Validation text (d) Default value

31. Which view enable insertion or deletion of field in MS-Access?
   (a) Form view (b) Design view
   (c) Layout view (d) Datasheet view

32. In Excel, the column that is visible during scrolling is called
   (a) Master column (b) Unbound column
   (c) Freeze column (d) Fixed column
33. Which one is wildcard in MS-Access?
   (a) >=                  (b) ?
   (c) AND                 (d) Date()

34. The selection of the following subnet address for all work stations and the server which install a proxy server was random. It was selected because it falls within the class C subnet range and is easy to remember.
   (a) 270.220.1.5          (b) 320.111.220.22
   (c) 220.220.220.220      (d) 285.225.225.225

35. The following is not an internet search engine
   (a) Google               (b) Excite
   (c) Web crawler          (d) Scientra

36. The web page of the web site are connected by
   (a) Cascaded Style sheet (b) Hyperlink
   (c) Web browser          (d) Domain name

37. _______________ is a server which perform an action for another computer
   (a) Internet server      (b) Web server
   (c) Network Server       (d) Proxy Server

38. One method to decrease download time is
   (a) To connect to good server
   (b) To take wireless connection
   (c) To take ISDN connection
   (d) To reduce bandwidth of the connection

39. _______________ tools help user to find a set of pages that contain information related to given topic.
   (a) Automatic search     (b) Automated search
   (c) Related search        (d) Heuristic search

40. The basic format of text link is
    (a) <A HREF="URL"> text describing link</A>
    (b) <HREF="URL"> text describing link</A>
    (c) <HREF="URL"></A>
    (d) None of these

41. Which of the following is an italic tag
    (a) <IL>                 (b) <LI>
    (c) <I>                  (d) <IT>

42. What part of web page should <title> tag be used in
    (a) heading              (b) foot note
    (c) body                 (d) any where

43. An HTM file start with the tag
    (a) <TITLE>             (b) <body>
    (c) <HEAD>              (d) <HTML>

44. The attributes of frameset are
    (a) ROWS and COLS        (b) MARGINHEIGHT & MARGINWIDTH
    (c) Both (a) and (b)     (d) None of these
45. Which of the following is used as dimension of frame.
   (a) Relative   (b) Percentage
   (c) Absolute   (d) All of these

46. Which tag is used to break text into paragraph
   (a) <PP>   (b) <PB>
   (c) <P>   (d) <PR>

47. The __________ protocol does not keep resending packet if they are misplaced or other problem occur in TCP.
   (a) IP   (b) UDP
   (c) ATM   (d) None of these

48. What is the default value of SCROLLING attribute
   (a) Vertical   (b) Horizontal
   (c) Auto   (d) Vertical and Horizontal

49. What is a computer language used to create virtual world
   (a) HTML   (b) VMRL
   (c) CSS   (d) HTTP

50. __________ divides the reader’s window in multiple panes that can be viewed independently and change independently
   (a) Table   (b) List view
   (c) Frame   (d) Tab

51. The environment provided to ASP is based on __________
   (a) Client/Server   (b) Network
   (c) Centralized system   (d) distributed system

52. Possible problem with JavaScript can be __________
   (a) Incompatible with HTML   (b) Can not be used in TCP/IP
   (c) Source code inaccessible   (d) Security

53. Which of the following is the method of invoking a CGI program.
   (a) GET method   (b) SEND method
   (c) RECEIVE method   (d) CONNECT method

54. What is the software package that can be used for creating animation for web design.
   (a) PHIGS   (b) Open GL
   (c) FLASH   (d) Adobe animator

55. What is the important benefit of active server page
   (a) Independent of the protocol   (b) Independent of the browser
   (c) Independent of the internet connection   (d) Independent of the network

56. What is web Cookie?
   (a) Computer code used to show animations and play sound
   (b) Information sent to your computer that is used later to give information back to visited website
   (c) Computer code that automatically records all purchases and payments you make from your computer
   (d) An Advertisement that will at some time de displayed on your computer
57. What are the two types of VLMR browser?
   (a) Stand alone and Plug-ins  (b) Netscape navigator and Mozilla Firefox
   (c) Internet explorer and Google chrome  (c) Extension and Add-on

58. A switching System that permits multiple pairs of computers to communicate across a shared network with minimal delay is__________
   (a) Circuit switching  (b) Packet switching
   (d) Message switching  (d) None of these

59. A recommendation or statement about the experience, abilities and qualities of a person is________
   (a) Personal Record  (b) Testimonial
   (c) Token  (d) Reference

60. The two popular filing system in an organization are_________
   (a) Personal and Centralized  (b) Personal and Public
   (c) Centralized and Departmental  (d) Centralized and Public

61. In an interview ‘Ice breaking question’ are ask by interviewers to
   (a) To test your Knowledge  (b) Form a first impression of you
   (c) To evaluate your skills  (d) Find out your weakness

62. A document used by individuals to present their background and skill sets is a_________
   (a) Curriculum Vitae  (b) Certificate
   (c) Service book  (d) Resume

63. In letter writing, a word to denote a phrase that has become stereotyped and worn-out expression through excessive use is__________
   (a) Cliches  (b) Tone
   (c) Style  (d) Trite

64. A grandiose form of letter writing that include unnecessary word is__________
   (a) Block form  (b) Gobbledygook
   (c) Over expression  (d) Bloom

65. A formal greeting of the addressee in letter writing is
   (a) Salutation  (b) Special Marking
   (c) Complementary Clause  (d) Opening Statement

Direction to question no 66 & 67: what number comes next in the series?

66. 81, 86, 79, ..........., 77, 82
   (a) 84  (b) 82
   (c) 74  (d) 70

67. 11, 13, 17, 19, 23, ........, 31
   (a) 25  (b) 27
   (c) 29  (d) 26
Direction to question No 68 & 69: choose the correct alternative from the given choices

68. |   | ? | 1728 |
---|---|---|
 1000 | 2197 | 4096 |
 2744 | 3375 | 5832 |

(a) 1231 (b) 1331 (c) 1638 (d) 1650

69. |   | 10 | 11 |
---|---|---|
 3 | 5 | ? |
 1 | 4 | 13 |

(a) 4 (b) 6 (c) 7 (d) 9

Directions to question No 70 & 71: Establish the relationship among the given pair of words and identify the pair that best illustrates a similar relationship from among the alternatives.

70. Billy : Goat ::
   (a) cow : bull  (b) lord : maid  (c) man : woman  (d) cow : calf

71. Chair : Table ::
   (a) object : prop  (b) son : father  (c) car : scooter  (d) pen : paper

Directions for Question No 72: A large cube, painted blue on all six faces, is cut into 27 smaller identical cubes

72. How many of the smaller cubes have no faces painted at all?
   (a) 10 (b) 1 (c) 11 (d) 21

Directions for Question No 73: Answer the following on the basis of the different cubes shown below

73. Which number is on the opposite face to the number 16?
   (a) 17 (b) 14 (c) 15 (d) 18
Directions for Question No 74 & 75: find out the correct answer out of the four answer figures, if the problem figure continue in the same sequence.

74. Problem Figure

<table>
<thead>
<tr>
<th>AB</th>
<th>CD</th>
<th>CD</th>
<th>AB</th>
<th>DA</th>
<th>BC</th>
<th>BC</th>
<th>DA</th>
<th>CD</th>
<th>AB</th>
</tr>
</thead>
</table>

(a) DA BC  
(b) AB DC  
(c) AB CD  
(d) DA CB

75. Problem Figures

| + | X | - | + | - | * | / | = | / |

(a) = ?  
(b) “ ?  
(c) ? *  
(d) ? “

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