

MIZORAM PUBLIC SERVICE COMMISSION

TECHNICAL COMPETITIVE EXAMINATIONS FOR RECRUITMENT TO COMPUTER OPERATOR

UNDER MIZORAM INSTITUTE OF MEDICAL EDUCATION AND RESEARCH (MIMER) - 2018

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 relation ship
(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 _____ Data type.
- (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) text describing link
(b) <HREF="URL" > text describing link
(c) <HREF="URL" >
(d) None of these
41. Which of the following is an italic tag
(a) <IL> (b)
(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.

1000	?	1728
2197	2744	3375
4096	4913	5832

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

69.

1	3
	3
1	4

10	5
	5
6	4

10	11
	?
13	15

- (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 ::

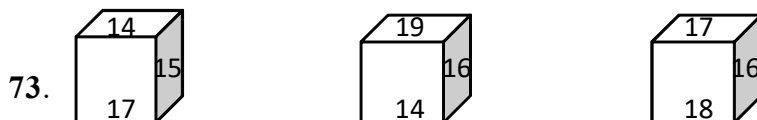
- (a) object : prop (b) son : father
(c) car : scooter (d) pen : paper

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



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

Problem Figure

74.

AB CD	CD AB	DA BC	BC DA	CD AB
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(a)

DA BC

(b)

AB DC

(c)

AB CD

(d)

DA CB

Problem Figures

75.

+	- +	-	* /	=
X		*		/

(a)

= ?

(b)

" ?

(c)

? *

(d)

? "
