MIZORAM PUBLIC SERVICE COMMISSION

TECHNICAL COMPETITIVE EXAMINATIONS FOR RECRUITMENT TO THE POST OF COMPUTER OPERATOR UNDER ELECTION DEPARTMENT, GOVERNMENT OF MIZORAM, DECEMBER, 2019

PAPER - II

Time Allowed : 2 hours   Full Marks : 150

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

1. If N devices are connected with each other in mesh topology, then total number of parts that is required by each device is
   (a) N
   (b) N-1
   (c) N/2
   (d) 2N

2. A local area network
   (a) That connects thirty personal computers can provide more computing power than a mini computer.
   (b) Controls error detection and correction.
   (c) Constructs packets of data and sends them across the network.
   (d) None of these.

3. A bridge has access to which address of a station on the same network?
   (a) Physical
   (b) Network
   (c) Service access point
   (c) All of these

4. Decryption and encryption of data are the responsibility of
   (a) Physical layer
   (b) Data link layer
   (c) Presentation layer
   (d) Session layer

5. Repeaters function in
   (a) Physical layer
   (b) Data link layer
   (c) Network layer
   (d) Both (a) & (b)

6. In a broad sense, a railway track is an example of
   (a) Simplex
   (b) Half-duplex
   (c) Full duplex
   (d) All of these

7. IP address be used to specify a broadcast and map to hardware broadcast if available by conversion broadcast address has hosted with all bits
   (a) 0
   (b) 1
   (c) Both (a) & (b)
   (d) None of these

8. What must you do to create a printer pool containing four shared printers on your Windows NT Server computer?
   (a) Set up all the printers to share the same parallel part.
   (b) Set individual printer properties for each printer.
   (c) Set up all printers as network-interface printer devices.
   (d) Specify the same printer driver and settings for all printers.

9. A primary key, if combined with a foreign key creates.
   (a) Parent child relationship between the tables that connect them.
   (b) Many-to-many relationship between the tables that connect them.
   (c) Network model between the tables that connect them.
   (d) None of these.

10. The database environment has all the following components except
    (a) Users
    (b) Separate files
    (c) Database
    (d) Database administration

11. The way a particular application views the data from the database that the application uses is a
    (a) Module
    (b) Relational model
    (c) Schema
    (d) Subschema

12. The relational model uses some unfamiliar terminology. A tuple is equivalent to
    (a) Record
    (b) Field
    (c) File
    (d) Database

13. An advantage of database approach is
    (a) Elimination of data redundancy
    (b) Ability to associate related data
    (c) Increases security
    (d) All of these

14. A database administrator's function is
    (a) Database design
    (b) Backing up the database
    (c) Performance monitoring
    (d) All of these

15. A network structure
    (a) Allows a many-to-many relationship
    (b) Is a physical representation of data
    (c) Is conceptually simple
    (d) Will be the dominant database of the future

16. The term attribute refers to a _____ of a table.
    (a) Record
    (b) Column
    (c) Tuple
    (d) Key

17. Which one of the following is a set of one or more attributes taken collectively to uniquely identify a record?
    (a) Candidate key
    (b) Sub-key
    (c) Super key
    (d) Foreign key

18. Student (ID, name, tot-cred). In this query which attributes form the primary key?
    (a) Name
    (b) Dept
    (c) Tot-cred
    (d) ID

19. In RDBMS, data is presented as a collection of
    (a) Tables
    (b) Attributes
    (c) Relations
    (d) Entities

20. The number of attributes in relation is called as its
    (a) Cardinality
    (b) Degree
    (c) Tuple
    (d) Entity

21. Which one of the following is used to define the structure of a relation, deleting relations and relating schemas.

    (a) DML (Data Manipulation Language)

    (b) DDL (Data Definition Language)

    (c) Query

    (d) Relational Schema

22. The _____ clause is used to list the attributes desired in the result of a query.

    (a) Where   (b) Select

    (c) From   (d) Distinct

23. A _____ indicates an absent value that may exist but be unknown or that may not exist at all.

    (a) Empty tuple   (b) New value

    (c) Null value   (d) Old value

24. The scheme for hierarchical database is

    (a) A tree   (b) A graph

    (c) A B-tree   (d) None of these

25. Which one is lowest level data model

    (a) Physical data model   (b) Logical data model

    (c) External data model   (d) None of these

26. The set of all possible values of data items is called

    (a) Domain   (b) Attribute

    (c) Tuple   (d) None of these

27. Which of the following is not a type of MS Access database object?

    (a) Table   (b) Form

    (c) Worksheets   (d) Modules

28. A relationship line that may have an associated minimum and maximum

    (a) Values   (b) Cardinalities

    (c) Range   (d) Attributes

29. The size of yes/no field is always

    (a) 1 Bit   (b) 1 Byte

    (c) 1 Character   (d) 1 KB

30. The columns in a Microsoft access table are also called

    (a) Rows   (b) Records

    (c) Fields   (d) Columns

31. Which of the following database objects holds data?

    (a) Forms   (b) Reports

    (c) Queries   (d) Tables

32. A weak entity set can make participation in any relationship other than the

    (a) Strong relationship   (b) Relational relationship

    (c) Domain relationship   (d) Identifying relationship

33. Which option allows us to build a new table by entering data directly into a tabular grid?

    (a) Datasheet View   (b) Design View

    (c) Linked Table   (d) Grid View

34. Which of the following attributes of text box control allows to limit the maximum character?

    (a) Size   (b) Len

    (c) Maxlength   (d) All of these

35. From which tag the descriptive list starts?

    (a) <LL>   (b) <DD>

    (c) <DL>   (d) <DS>

36. Which of the tag is used to create a number list?

    (a) <LI>   (b) <OL>

    (c) <LI> and <OL>   (d) None of these

37. Web pages start with which of the following tag?

    (a) <Body>   (b) <Title>

    (c) <HTML>   (d) <Form>

38. Correct HTML tag for the largest heading is

    (a) <head>   (b) <h6>

    (c) <heading>   (d) <h1>

39. <a>and are the tags used for

    (a) Adding image   (b) Aligning text

    (c) Audio-voiced text   (d) Adding links to your page

40. Correct HTML to left-align the content inside a table cell is

    (a) <td ="left">   (b) <td valign= "left">

    (c) <td align ="left">   (d) <td leftalign>

41. The common element which describes the web page is

    (a) Heading   (b) Paragraph

    (c) List   (d) All of these

42. Main container for <TR>, <TD> and <TH> is

    (a) <TABLE>   (b) <GROUP>

    (c) <DATA>   (d) All of these

43. HTML is a subset of

    (a) SGMT   (b) SGML

    (c) SGMD   (d) None of these

44. The body tag is usually used after

    (a) Title tag   (b) HEAD tag

    (c) EM tag   (d) FORM tag

45. The attribute of <form> tag.

    (a) METHOD   (b) ACTION

    (c) Both (a) & (b)   (d) None of these

46. Which one of the following is a container?

    (a) <SELECT>   (b) <VALUE>

    (c) <INPUT>   (d) <Body>

47. WWW is based on which model?

    (a) Local-server   (b) Client-server

    (c) 3-tier   (d) None of these

48. Which of the following is not a search engine?

    (a) Google   (b) Bing

    (c) Yahoo   (d) Orkut

49. In hypertext transaction, formats of request and response message are

    (a) Different   (b) Similar

    (c) Changed   (d) Active

50. Whenever user opens any website then main page is called as

    (a) Dead end   (b) Home page

    (c) Backend page   (d) None of these

51. When an ASP.NET file is placed as an IIS Server and viewed through a browser, the resulting HTML page contains.

    (a) All ASP.NET code.

    (b) As much ASP.NET code as in the ASP.NET file.

    (c) A mix of ASP.NET and HTML code.

    (d) All HTML code.

52. What is the extension used for an ASP.NET file

    (a) asu   (b) asx

    (c) aspn   (d) aspx

53. Which browser has built in support for executing VB Script?

    (a) Internet Explorer   (b) Mozilla Firefox

    (c) Opera   (d) None of these

54. JavaScript is designed for following purpose

    (a) To perform Server Side Scripting Operations (b) To execute Query Related to DB on Server

    (c) To add interactivity to HTML Pages   (d) To style HTML Pages

55. JavaScript code can be called by using

    (a) Function/Method   (b) Pre-processor

    (c) Triggering Event   (d) RMI

56. Which of the following attribute is used to include External JS code inside your HTML Document?

    (a) ext   (b) src

    (c) script   (d) link

57. Which of the following is not a reserved word in JavaScript?

    (a) interface   (b) throws

    (c) program   (d) short

58. Which VB Script function converts an input string to all lowercase

  (a) Lcase

  (b) Lowercase

  (c) Lower

  (d) There is no such function to directly convert to lowercase

59. Simplicity in writing means essentially,

  (a) Plainness

  (b) The use of simple sentences

  (c) The use of simple tense

  (d) The use of simple words

60. The following is (are) the most effective ways of communication.

  (a) Verbal

  (b) Non- Verbal

  (c) Written

  (d) All of these

61. Where are the details of enclosures mentioned?

  (a) Beginning of the letter

  (b) Below the signature column

  (c) Right-hand side of the letter

  (d) Main body of the letter

62. Which of the following should not be part of a resume?

  (a) Religious affiliation

  (b) Employment history

  (c) Contact information

  (d) Education

63. Which of these ways can't be used to research about the company?

  (a) Visiting website

  (b) Refer books

  (c) School books

  (d) Refer annual report

64. Which of these questions expect specific information?

  (a) Open questions

  (b) Closed questions

  (c) Probing questions

  (d) Reflective questions

65. Communication is the task of imparting _____

  (a) Training

  (b) Information

  (c) Knowledge

  (d) Message

Direction to solve Questions No. 66 & 67 : Find the term that will come in place of questions mark (?) in each of the following series.

66. 600, 550, 450, 300, ?

  (a) 50

  (b) 150

  (c) 100

  (d) 0

67. 1,6,11, _____ What will be its 15th term?

  (a) 46

  (b) 76

  (c) 66

  (d) 71

Direction to solve Questions No. 68 & 69: Five courses-A,B,C,D and E, each of 1 month duration are to be taught from January to May one after the other, though not necessarily in the same order by lecturers P,Q,R,S and T. P teaches course "B" but not in the month of April or May. Q teaches course "A" in the month of March. R teaches in the month of January but does not teach course "C" or "D".

68. Which course is taught by S?

  (a) C

  (b) E

  (c) Either C or D

  (d) D

69. Which course is taught in the month of January?

(a) C (b) D

(c) E (d) Data inadequate

Direction to solve Questions No. 70 & 71: In the questions below out of four alternatives, choose the word which can be substituted for the given word/sentence

70. On who is not easily pleased by anything

(a) Maiden (b) Mediaeval

(c) Precarious (d) Fastidious

71. A remedy for all diseases

(a) Stoic (b) Panacea

(c) Marvel (d) Recompense

Direction to solve Question No. 72 : Each questions consists of two words which have a certain relationship to each other followed by four pairs of related words, select the words which have the same relationship

72. GRAVITY: PULL

(a) iron:metal (b) north pole: directions
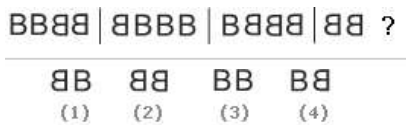
(c) magnetism:attraction (d) dust:desert

Direction to solve Question No. 73 : Find the word which is the exact opposite of a given word.

73. TRANSPARENT
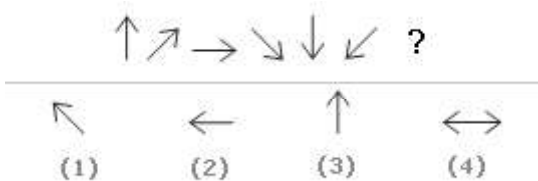
(a) Muddy (b) Dark

(c) Opaque (d) Semi-transparent

Direction to solve Questions No. 74 & 75: Look carefully at the sequence of symbols to find the pattern, select the correct pattern.

74.

BB8B | 8BBB | B888 | 88 ?

8B 88 BB B8
(1) (2) (3) (4)

(a) 1 (b) 2

(c) 3 (d) 4

75.

↑ ↗ → ↘ ↓ ↙ ?

↖ ← ↑ ↔
(1) (2) (3) (4)

(a) 1 (b) 2

(c) 3 (d) 4

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