MIZORAM PUBLIC SERVICE COMMISSION

TECHNICAL COMPETITIVE EXAMINATIONS FOR RECRUITMENT TO THE POST OF

COMPUTER OPERATOR (CONTRACT) under Mizoram Information Commission, March, 2016

Full Marks: 150

PAPER - II

Attempt all questions.

1. In OSI	network architecture, the routing is perform	rmed by	y
(a) r	network layer	(b)	data link layer
(c) t	ransport layer	(d)	session layer
2. Which	color coding of cable is used to connect si	milar d	levices?
(a) S	Straight cable	(b)	Cross over cable
(c) S	Serial cable	(d)	None of these
3. Which	of the following is an advantage to using fi	ber opt	ics data transmission?
(a) I	Resistance to data theft	(b)	Fast data transmission rate
(c) I	Low noise level	(d)	All of these
4. An effe	ective way to prevent attenuation is		
(a) A	Adding repeaters or amplifiers to a circuit	(b)	Shorting a circuit
(c) I	Half duplex	(d)	Shielding wires
5. Which	address identifies a process on a host?		
(a) p	physical address	(b)	logical address
(c) n	oort address	(d)	specific address

- o. Italishiission data rate is decided by
 - (a) network layer

Time Allowed: 2 hours

(b) physical layer

(c) data link layer

- (d) transport layer
- 7. User datagram protocol is called connectionless because
 - (a) all UDP packets are treated independently by transport layer
 - (b) it sends data as a stream of related packets
 - (c) both (a) and (b)
 - (d) none of these
- 8. In IPv4, what should be the flag value to indicate the last fragment?
 - (a) 0

(b) 1

(c) TTl value

- (d) None of these
- 9. In the architecture of a database system, external level is the
 - (a) Physical level

(b) Logical level

(c) Conceptual level

(d) Viewlevel

10.	Inal	Hierarchical model records are organised as			
		Graph	(b)	List	
	(c)	Links	(d)	Tree	
11.	The	language used in application programs to requ	uest d	lata from the DBMS is	referred to as the
		DML		DDL	
	`: ^	VDL	(d)		
12.	~ ~ /	ted fields in a database are grouped to form a	` ′		
		Data file	(b)	Data record	
		Menu	(d)	Bank	
12		dvantage of the database management approa	` .′		
13.		Data is dependent on programs	CIIIS		
		Data redundancy increases			
			ultinl	e programs	
		None of these	umpi	c programs	
1.4					
14.		model uses this symbol to represent weak ent			
		Doubly outlined rectangle	(b)		
4 =		Doubly outlined rectangle	(d)	None of these	
15.		RDBMS terminology for a row is			
		tuple		relation	
		attribute	(d)		
16.		ch are the two ways in which entities can partic			
	, ,	Passive and Active	(b)		
		Simple and Complex	(d)	All of these	
17.		of possible data values is called			
		Attribute		Degree	
	(c)	Tuple	(d)	Domain	
18.		mary key combined with a foreign key creates			
		Parent-Child relationship between the tables			
	(b)	Many-to-many relationship between the tables that connect them			
		Network model between the tables that conn	ect tl	nem	
	(d)	None of these			
19.	Busin	ness rules can be represented in the database the	nroug	gh:	
	(a)	associations (or relationships)	(b)	attributes	
	(c)	properties	(d)	secondary keys	
20.	The p	ourpose of an n-ary association is:			
	(a)	To capture a parent-child relationship			
	(b)	To deal with one-to-many relationships			
	(c)	To deal with relationships that involve more t	han t	wo tables	
	(d)	To represent an inheritance relationship			
21 .	To in	clude integrity constraint in an existing relation	use:		
	(a)	Create table	(b)	Modify table	

(d) Drop table

(c) Alter table

22.	Select emp_name from department where dept_na	ame li	ke 'Computer Science';		
	In the SQL given above, which of the following has to be added into the blank to select the dept_name				
	which has Computer Science as its ending string?				
	(a) %	(b)			
	(c)	(d)	\$		
23.	In a database structure, the basic data type char(varchar(n) islength character.	(n) is	alength character string and		
	(a) Fixed, equal	(b)	Equal, variable		
	(c) Fixed, variable	(d)	Variable, equal		
24.	For a weak entity set to be meaningful, it must be	associ	iated with another entity set, called the		
	(a) Identifying set	(b)	Owner set		
	(c) Neighbour set	(d)	Strong entity set		
25.	A integrity constraint requires that the tuple in the referencing relation also appear in specirelation.	_	** ** ** **		
	(a) Referential	(b)	Referencing		
	(c) Specific	(d)	Primary		
26 .	Indicate roles in E-R diagrams by labelling the lin	es tha	at connectto		
	(a) Diamond, diamond	(b)	Rectangle, diamond		
	(c) Rectangle, rectangle	(d)	Diamond, rectangle		
27.	How many tables may be included with a join?				
	(a) One	(b)	Two		
	(c) Three	(d)	All of these		
28.	What are the correct features of a distributed data	base?			
	(a) Is always connected to the internet				
	(b) Always requires more than three machines				
	(c) Users see the data in one global schema				
	(d) Have to specify the physical location of the	data v	when an update is done		
29.	Delete from r where P;				
	The above command				
	(a) Deletes a particular tuple from the relation	(b)	Deletes the relation		
	(c) Clears all entries from the relation	(d)	All of these		
30.	Update instructorsalary= salary * 1.05;				
	Fill in with correct keyword to update the instructor	or rela	tion.		
	(a) Where		Set		
	(c) In	(d)	Select		
31.	The entity set person is classified as student and en	` '			
	(a) Generalisation	-	Specialisation		
	(c) Inheritance	` '	Constraint generalisation		
32	Functional dependencies are a generalisation of	()			
·	(a) Key dependencies	(b)	Relation dependencies		
	(c) Database dependencies	` '	None of these		

33.	they	e are similarities between the instructor entity have several attributes that are conceptually tifier, name, and salary attributes. This process	the sa	ame across the two entity sets: namely, the	
		Commonality		Specialisation	
	. `. ′	Generalisation	(d)		
24	` ^	L is a	(4)		
34.			(h)	Conintina Language	
		Programming Language	` `	Scripting Language	
	` ′	Web Browser	` ′	Network Protocol	
35.		ebpage displays a picture. What tag was used			
	(a)	picture		image	
	(c)	img	(d)	src	
36.	Whi	ch tag allows you to add a row in a table?			
	(a)	and	(b)	<cr> and </cr>	
	(c)	and	(d)	and	
37.	Casc	eading Style Sheets define style and appearance	e usir	1g:	
		functions with parameters and return values			
	` ′	rules with selectors, properties and their valu	ies		
	` '	techniques with block and inline elements			
		heuristics with rules and maps			
20	• • •	Script is a programming language that:			
50.		is strict about variable type and declaration	(b)	is a web-specific version of Java	
				is executed on the server	
		supports event-driven programming	(u)	is executed on the server	
39.		can you make a bulleted list?	<i>(</i> 1)		
		st>	(b)		
	(c)		(d)		
40.	Wha	t is the correct HTML for making a hyperlink?	?		
	(a)	<a abc.com"="" href="" http:="">abc	(b)	abc	
	(c)	<a abc.com"="" href="http://abc.com</td><td>(d)</td><td>url=" http:="">			
41.	41. What is the correct HTML for adding a background color?				
	(a)	<body color="yellow"></body>	(b)	<body bgcolor="yellow"></body>	
	(c)	<pre><background>yellow</background></pre>	(d)	<body background="yellow"></body>	
42	The	HTML <div> element is:</div>			
,		Inline element	(b)	Outline element	
	,	Block level element	(d)	None of these	
42			` '	Trong of these	
43.		ch attribute is used to name an element uniquel	_	124 (1997)	
	` '	class	(b)		
		dot	(d)	all of these	
44.		way the browser displays the object can be mo	odifie	ed by	
	(a)	attributes	(b)	parameters	
	(c)	modifiers	(d)	None of these	

45.	Which of the following is an attribute of < Table	>tag?		
	(a) SRC	(b)	LINK	
	(c) CELLPADDING	(d)	BOLD	
46.	Choose the correct HTML to left-align the cont	tent inside	e a table cell	
	(a)	(b)	<tdleft></tdleft>	
	(c)	(d)		
47.	Which file controls how your frames will appea	ır?		
	(a) Frameset	(b)	Master Document	
	(c) Template	(d)	Timeline	
48.	provides the largest text.			
	(a) H6	(b)	24	
	(c) H1	(d)	Bold	
49.	What is the use of alt attribute in HTML?			
	(a) alt attribute specifies an alternate text for	an image		
	(b) alt attribute specifies an alternate link for	an image		
	(c) alt attribute specifies an alternate image for	or an ima	ge	
	(d) alt attribute specifies an alternate source	for an ima	age	
50.	The attribute of the <form> tag?</form>			
	(a) Method	(b)	Action	
	(c) Both (a) and (b)	(d)	None of these	
51.	In event-driven programming an event is generated	ated by:		
	(a) the system	(b)	a user's action	
	(c) the program itself	(d)	all of these	
52.	HTML is a subset of			
	(a) SGML	(b)	SGMT	
	(c) SGMD	(d)	None of these	
53 .	Which function should be used to validate tha	it input is	not a string before perf	orming arithmet
	operations?			
	(a) IsArithmetic	(b)	IsNotString	
	(c) IsNumeric	(d)	IsString	
54.	The stateless HTTP protocol refers to web pag	es create	d:	
	(a) on a web server	(b)	without information fro	m a database
	(c) without knowledge of previous web page	es (d)	before a request from a	client
55.	Which client-side technique can be disabled by	the end-	user?	
	(a) Cookies	(b)	Query string	
	(c) View state	(d)	Both (a) and (b)	
56.	A Session variable is created:			
	(a) when the application is first placed on a v	web serve	er	
	(b) when the web server is first started			
	(c) when the first client requests a URL reson	urce		
	(d) every time a new client interacts with the	web appl	ication	

57. What is the correct syntax for referring to an external script called "abc.js"?

	(a)	<script href="abc.js"></th><th>(b)</th><th><script name="abc.js"></th></tr><tr><th></th><th>(c)</th><th><script src="abc.js"></th><th>(d)</th><th>None of these</th></tr><tr><th>58.</th><th>Java</th><th>Script is interpreted by</th><th></th><th></th></tr><tr><th></th><th>(a)</th><th>Client</th><th>(b)</th><th>Server</th></tr><tr><th></th><th>(c)</th><th>Object</th><th>(d)</th><th>None of these</th></tr><tr><th>59.</th><th>The</th><th>ourpose of a resume is to</th><th></th><th></th></tr><tr><th></th><th>(a)</th><th>Establish a candidate's qualifications for a p</th><th>ositio</th><th>n - in order to secure an interview</th></tr><tr><th></th><th>(b)</th><th>Establish a candidate's qualifications for a p</th><th>ositio</th><th>n - in order to secure employment</th></tr><tr><th></th><th>(c)</th><th>Establish a candidate's qualifications for a po</th><th>ositio</th><th>n - in order to eliminate the competition</th></tr><tr><th></th><th>(d)</th><th>None of these</th><th></th><th></th></tr><tr><th>60.</th><th>Whe</th><th>n writing resume, the main focus should be on</th><th>l, ·</th><th></th></tr><tr><th></th><th></th><th>Who will be reading the resume</th><th></th><th></th></tr><tr><th></th><th>(b)</th><th>Presenting my best skills, experiences and ac</th><th></th><th></th></tr><tr><th></th><th>(c)</th><th>The readability and visual presentation of my</th><th>y docu</th><th>ment</th></tr><tr><th></th><th></th><th>None of these</th><th></th><th></th></tr><tr><th>61.</th><th></th><th>view differs from other conversation in that th</th><th>-</th><th></th></tr><tr><th></th><th></th><th>Are held for a very specific reason</th><th></th><th>Aim at a particular outcome</th></tr><tr><th></th><th>` '</th><th>Are usually recorded</th><th></th><th>All of these</th></tr><tr><th>62.</th><th></th><th>organisation, the two basic types of correspondent</th><th></th><th></th></tr><tr><th></th><th></th><th>External and international</th><th>`</th><th>International and regional</th></tr><tr><th>فسست</th><th></th><th>Internal and external</th><th>(a)</th><th>Internal and regional</th></tr><tr><th>63.</th><th></th><th>n considering resume, employers</th><th>1</th><th></th></tr><tr><th></th><th>٠,</th><th>look for what the company can provide for t</th><th></th><th>plicant.</th></tr><tr><th></th><th></th><th colspan=4>(b) spend at least ½ hour reviewing each resume.</th></tr><tr><th></th><th colspan=4>(c) look for resume that look good, are easy to read, and provide the information an employer needs to assess an applicant's qualifications.</th></tr><tr><th></th><th>(d)</th><th>ignore mechanical flaws.</th><th></th><th></th></tr><tr><th>64.</th><th>Com</th><th>mon mistakes people make in job interviews i</th><th>nelud</th><th>•</th></tr><tr><th></th><th colspan=4>(a) knowing little about the company or the role they would play at the company.</th></tr><tr><th></th><th></th><th colspan=4>(b) having little idea of how their education prepares them for work.</th></tr><tr><th></th><th>(c)</th><th>having only vague ideas about how they coul</th><th>ld ben</th><th>efit the employer.</th></tr><tr><th></th><th>(d)</th><th>All of these.</th><th></th><th></th></tr><tr><th>65.</th><th></th><th>ted a point blank question such as: Are you crowre? etc. What is the best way to answer?</th><th>reative</th><th>e? Are you analytical? Can you work under</th></tr><tr><th></th><th>(a)</th><th>Answer yes or no</th><th>(b)</th><th>Answer yes and give a specific example</th></tr><tr><th></th><th>(c)</th><th>Answer yes and give an explanation</th><th>(d)</th><th>None of these</th></tr><tr><th></th><th></th><th></th><th></th><th></th></tr></tbody></table></script>
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Directions to solve (Ouestions 66 - 68); Study carefully the following series of numbers. Choose the correct number which would go next in the series.

- **66.** 108, 100, 92, 90, 82, 74, ...
 - (a) 65

(b) 66

(c) 72

(d) 76

- **67.** 102, 204, 408, 816, ...
 - (a) 1532

(b) 1432

(c) 1632

(d) 1832

- **68.** Which one is equal to $\sqrt{16}$?
 - (a) $\sqrt{2}$

(b) 2^2

(c) 4^3

(d) 4^2

Directions to solve (Questions 69 - 71): in this section, you are asked what should be done or what is required in a given situation. You are to choose the best answer available, or what most generally applies to the question.

- 69. What does it mean to say "Man does not live by bread alone"?
 - (a) Having too much of any one food is not good.
 - (b) There are other important things in life besides material wealth.
 - (c) Variety is important in one's life.
 - (d) Man should work in order to get his bread.
- 70. A substitute for "one who likes to send time with others" in one word can be
 - (a) Introvert

(b) Extraordinary

(c) Extrovert

(d) Commoner

- 71. What is the opposite word of coward?
 - (a) Weak

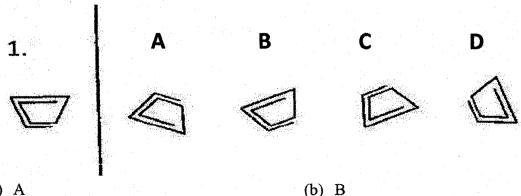
(b) Quarrelsome

(c) Valiant

(d) Brave

Directions to solve (Questions 72 - 73): Each problem in this test consists of one figure on the left of a vertical line and four figures on the right. You are to decide which of the four figures on the right is the same as the figure on the left.

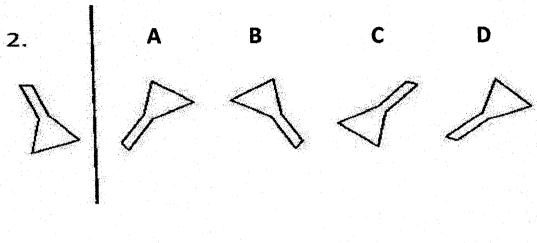
72.



(a) A

(c) C

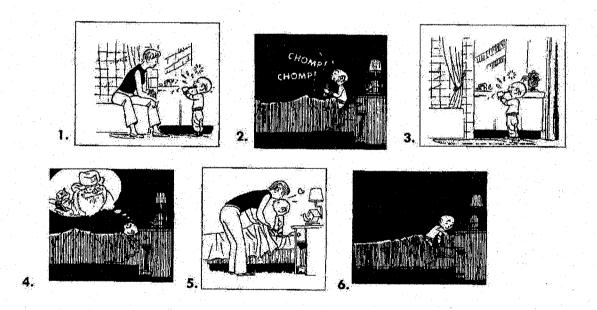
(d) D



- (a) A
- (c) C

- (b) B
- (d) D

74. Look at the following sets of pictures. Put them in the right order so that they will tell a story.



- (a) 5 6 1 3 4 2
- (c) 3 1 5 4 6 2

- (b) 1 5 6 2 4 3
- (d) 1 5 3 6 2 4

75. In this test, parts of a well known object are placed in the wrong order. You have to choose the correct order, from left to right, in which these parts should be placed in order to form the object. The parts of each object are numbered.



- (a) 3 2 6 1 5 4
- (c) 3 2 1 5 6 4

- (b) 1 4 2 3 5 6
- (d) 3 6 2 5 1 4

* * * * * *