# UNIVERSITY OF MUMBAI'S GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT P.G. DIPLOMA IN INFORMATION TECHNOLOGY (PGDIT) ENTRANCE EXAMINATION

2022-23

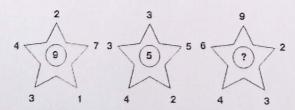
DATE: 07-JuL-22 TIME: 11.00 AM TO 12.00 NOON MARKS: 50

#### **NOTE:** > 2 MARKS EACH QUESTION

- 1. Arrange the words given below in a meaningful sequence.
- 1. Key 2. Door 3. Lock 4. Room 5. Switch on
- A. 5, 1, 2, 4, 3
- B. 4, 2, 1, 5, 3
- C. 1, 3, 2, 4, 5
- D. 1, 2, 3, 5, 4
- 2. A is sister of B. F is daughter of G. C is mother of B. D is father of C. E is mother of D. A is related to D as -
- 1)Granddaughter
- 2)Daughter
- 3)Daughter-in-law
- 4) Sister
- 3. 'Dandia' is a popular dance of
- A. Punjab
- B. Gujarat
- C. Tamil Nadu
- D. Maharashtra
- 4. In which of the following festivals are boat races a special feature?
- A. Onam
- B. Rongali Bihu
- C. Navratri
- D. Pongal

- 5. Samba dance is famous in -
- 1)Brazil
- 2)Peru
- 3)Argentina
- 4) Mexico
- 6. Which of the following company buy eBay's Indian operations -
- 1.Amazon
- 2.Flipkart
- 3.Snapdeal
- 4.PayTM
- 7. Look at this series: 36, 34, 30, 28, 24, ... What number should come next?
  - A. 20
- B. 22
- C. 23
- D. 26
- 8. A byte is comprised of:
- A. One bit
- B. Four bits
- C. Eight bits
- D. Sixteen bits
- E. None of the above
- 9. Which of the following terms could be used to describe the concurrent processing of computer programs via CRTs, on one computer system?
- 1)Time sharing
- 2)On-lineprocessing
- 3)Interactive processing
- 4) All of these
- 10. Which number replace the question mark?

Which number replaces the question mark?



11. If DELHI is coded as 73541 and CALCUTTA as 82589662, how can CALICUT be coded?

a. 5279431
b. 5978213
c. 8251896
d. 8543691
12. COLOUR is coded as OCOLUR then SPECTRUM is coded as ""?
13. The first page of a website is called the
14. In a column of girls Kamal is 11th from the front, Neela is 3 places ahead of Sunita who is 22nd from the front. How many girls are there between Kamal and Neela in the column?
1)Six
2)Eight
3)Seven
4) Nine
15. What does SSL stand for?
A. Secure Socket Layer
B. System Socket Layer
C. Super user System Login
D. Secure System Login
16. Which of the following problem causes an exception?
A. Missing semicolon in statement in main().
B. A problem in calling function.
C. A syntax error.
D. A run-time error.
17. ARTIFICIAL
A. Red
B. Natural
C. Truthful

18. Success in this examination depends ...... hard work alone.

D. Solid

- B. over
- C. for
- D. on
- 19. Data has to be \_\_\_\_\_ before it can be converted into information
- A. transformed
- B. processed
- C. changed
- D. engineered
- E. None of the above
  - **20.** Look at this series: 70, 71, 76, \_\_, 81, 86, 70, 91, ... What number should fill the blank?
  - <u>A.</u> 70
  - <u>B.</u> 71
  - <u>C.</u> 80
  - <u>D.</u> 96
  - 21. Which number replaces the question mark?

Which number replaces the question mark?









	2017 FIFA Confederations Cup title is won by Barcelona
В.	England
C.	Chile
D.	Germany
23.	Which of the following do you need to consider when you make a table in SQL?  A. Data types
	B. Primary keys
	C. Default values
	D. All of the above.
pun	. The most commonly used standard data code to represent alphabetical, numerical and ctuation characters used in Electronic Data Processing system is called ASCII
В.	EBCDII
C.	BCD
D.	All of the above
E.	None of the above
25. A.	If you use either Telnet or FTP, which is the highest layer you are using to transmit data?  Application
В.	Presentation
C.	Session
D.	Transport

SEAT NO.:	SUPERVIS	OR'S SIGN.:
POST GRADUATI	UNIVERSITY OF MUMBAI'S TITUTE OF CAREER EDUCATION & DE E DIPLOMA IN INFORMATION TECHNO ENTRANCE EXAM 2 <sup>ND</sup> ROUND	EVELOPMENT DLOGY (PGDIT)
DATE: 9 <sup>TH</sup> -AUG-17	TIME: 11.00AM TO 12.00 NOON	MARKS: 50
2) AL	O NOT CARRY YOUR MOBILE IN THE EXAMINA LL QUESTIONS ARE COMPULSORY EAD INSTRUCTION CAREFULLY	ATION HALL
1)Data has to be	before it can be converted into information.	
A. transformed		
B. processed		
C. changed		
D. engineered		
E. None of the above		ALTER
2) A is sister of B. F is direlated to D as -	aughter of G. C is mother of B. D is father of C. E is mot	her of D. A is
1)Granddaughter		
2)Daughter		
3)Daughter-in-law		
4) Sister		
3) 'Dandia' is a popular	dance of	
A. Punjab		
B. Gujarat		
C. Tamil Nadu		
D. Maharashtra     A) In which of the following	ing festivals are boat races a special feature?	
A. Onam		
B. RongaliBihu		
C. Navratri		
D. Pongal		
5)Samba dance is famo	us in –	
1)Brazil		
2)Peru		
3)Argentina		
4) Mexico		
<ol><li>6.) Which of the following</li></ol>	g company buy eBay's Indian operations -	

1.Amazon2.Flipkart3.Snapdeal4.PayTM

7)DipaKarmakar a medal winner in Commonwealth Games 2014 is associated with?

- 1)Squash
- 2)Shooting
- 3)Gymnastic
- 4) Badminton

8) The first Indian satellite was launched into space in 1975. What was it called?

- 1)Aryabhatta
- 2)Rohini
- 3)Insat-1A
- 4) IRS-1A

9)Which of the following terms could be used to describe the concurrent processing of computer programs via CRTs, on one computer system?

- 1)Timesharing
- 2)On-lineprocessing
- 3)Interactive processing
- 4) All of these

10) Which number replace the question mark?

Which number replaces the question mark?



11) If DELHI is coded as 73541 and CALCUTTA as 82589662, how can CALICUT be coded?

- a. 5279431
- b. 5978213
- c. 8251896
- d. 8543691

12)COLOUR is coded as OCOLURthen SPECTRUM is coded as "\_\_\_\_\_"?

13) The first page of a website is called the\_\_\_\_\_

1)Six 2)Eight 3)Seven 4) Nine 15) What does SSL stand for? A. Secure Socket Layer B. System Socket Layer C. Superuser System Login D. Secure System Login 16) Which of the following problem causes an exception? A. Missing semicolon in statement in main(). B. A problem in calling function. C. A syntax error. D. A run-time error. 17) ARTIFICIAL A. Red B. Natural C. Truthful D. Solid 18) Success in this examination depends hard work alone. A. at B. over C. for	who	n a column of girls Kamal is 11th from the front ,Neela is 3 places ahe is 22nd from the front. How many girls are there between Kamal an imn?	ad of Sunita d Neela in the
3)Seven 4) Nine 15) What does SSL stand for? A. Secure Socket Layer B. System Socket Layer C. Superuser System Login D. Secure System Login D. Mich of the following problem causes an exception? A. Missing semicolon in statement in main(). B. A problem in calling function. C. A syntax error. D. A run-time error. 17) ARTIFICIAL A. Red B. Natural C. Truthful D. Solid 18) Success in this examination depends hard work alone. A. at B. over	1)Si	ix	unpile
3)Seven 4) Nine 15) What does SSL stand for? A. Secure Socket Layer B. System Socket Layer C. Superuser System Login D. Secure System Login D. Mich of the following problem causes an exception? A. Missing semicolon in statement in main(). B. A problem in calling function. C. A syntax error. D. A run-time error. 17) ARTIFICIAL A. Red B. Natural C. Truthful D. Solid 18) Success in this examination depends hard work alone. A. at B. over	2)Ei	ight	
15) What does SSL stand for?  A. Secure Socket Layer  B. System Socket Layer  C. Superuser System Login  D. Secure System Login  16) Which of the following problem causes an exception?  A. Missing semicolon in statement in main().  B. A problem in calling function.  C. A syntax error.  D. A run-time error.  17) ARTIFICIAL  A. Red  B. Natural  C. Truthful  D. Solid  18) Success in this examination depends hard work alone.  A. at  B. over			
A. Secure Socket Layer  B. System Socket Layer  C. Superuser System Login  D. Secure System Login  16) Which of the following problem causes an exception?  A. Missing semicolon in statement in main().  B. A problem in calling function.  C. A syntax error.  D. A run-time error.  17) ARTIFICIAL  A. Red  B. Natural  C. Truthful  D. Solid  18) Success in this examination depends hard work alone.  A. at  B. over	4) N	line	
B. System Socket Layer C. Superuser System Login D. Secure System Login  16) Which of the following problem causes an exception? A. Missing semicolon in statement in main(). B. A problem in calling function. C. A syntax error. D. A run-time error.  17) ARTIFICIAL A. Red B. Natural C. Truthful D. Solid  18) Success in this examination depends hard work alone. A. at B. over	15) V	What does SSL stand for?	
C. Superuser System Login  D. Secure System Login  16) Which of the following problem causes an exception?  A. Missing semicolon in statement in main().  B. A problem in calling function.  C. A syntax error.  D. A run-time error.  17) ARTIFICIAL  A. Red  B. Natural  C. Truthful  D. Solid  18) Success in this examination depends hard work alone.  A. at  B. over	A.	Secure Socket Layer	
D. Secure System Login  16) Which of the following problem causes an exception?  A. Missing semicolon in statement in main().  B. A problem in calling function.  C. A syntax error.  D. A run-time error.  17) ARTIFICIAL  A. Red  B. Natural  C. Truthful  D. Solid  18) Success in this examination depends hard work alone.  A. at  B. over	B.	System Socket Layer	
16) Which of the following problem causes an exception?  A. Missing semicolon in statement in main().  B. A problem in calling function.  C. A syntax error.  D. A run-time error.  17) ARTIFICIAL  A. Red  B. Natural  C. Truthful  D. Solid  18) Success in this examination depends hard work alone.  A. at  B. over	C.	Superuser System Login	
<ul> <li>A. Missing semicolon in statement in main ().</li> <li>B. A problem in calling function.</li> <li>C. A syntax error.</li> <li>D. A run-time error.</li> <li>17) ARTIFICIAL</li> <li>A. Red</li> <li>B. Natural</li> <li>C. Truthful</li> <li>D. Solid</li> <li>18) Success in this examination depends hard work alone.</li> <li>A. at</li> <li>B. over</li> </ul>	D.	Secure System Login	
<ul> <li>B. A problem in calling function.</li> <li>C. A syntax error.</li> <li>D. A run-time error.</li> <li>17) ARTIFICIAL</li> <li>A. Red</li> <li>B. Natural</li> <li>C. Truthful</li> <li>D. Solid</li> <li>18) Success in this examination depends hard work alone.</li> <li>A. at</li> <li>B. over</li> </ul>	16) \	Which of the following problem causes an exception?	
C. A syntax error.  D. A run-time error.  17) ARTIFICIAL  A. Red  B. Natural  C. Truthful  D. Solid  18) Success in this examination depends hard work alone.  A. at  B. over	A.	Missing semicolon in statement in main().	
D. A run-time error.  17) ARTIFICIAL A. Red B. Natural C. Truthful D. Solid  18) Success in this examination depends hard work alone. A. at B. over	В.	A problem in calling function.	
17) ARTIFICIAL A. Red B. Natural C. Truthful D. Solid 18) Success in this examination depends hard work alone. A. at B. over	C.	A syntax error.	
<ul> <li>A. Red</li> <li>B. Natural</li> <li>C. Truthful</li> <li>D. Solid</li> <li>18) Success in this examination depends hard work alone.</li> <li>A. at</li> <li>B. over</li> </ul>	D.	A run-time error.	
<ul> <li>B. Natural</li> <li>C. Truthful</li> <li>D. Solid</li> <li>18) Success in this examination depends hard work alone.</li> <li>A. at</li> <li>B. over</li> </ul>	17) A	ARTIFICIAL	
C. Truthful  D. Solid  18) Success in this examination depends hard work alone.  A. at  B. over	A.	Red	
<ul><li>D. Solid</li><li>18) Success in this examination depends hard work alone.</li><li>A. at</li><li>B. over</li></ul>	В.	Natural	
18) Success in this examination depends hard work alone.  A. at  B. over	C.	Truthful	
A. at B. over	D.	Solid	
A. at B. over	18) 5	Success in this examination depends hard work alone.	
	,		
C. for	В.	over	
	C.	for	

	0 1
17.	OI

- 19) Arrange the words given below in a meaningful sequence.
- 1. Key 2. Door
- 3. Lock 4. Room 5. Switch on
- 5, 1, 2, 4, 3 A.
- 4, 2, 1, 5, 3 B.
- 1, 3, 2, 4, 5 C.
- 1, 2, 3, 5, 4 D.
- 20)2, 5, 9, ?, 20, 27
- **B.** 16
- **C.** 18
- D. 24
- 21) Which number replaces the question mark?

Which number replaces the question mark?

















- 22) 2017 FIFA Confederations Cup title is won by \_\_\_\_\_
- A. Barcelona
- B. England
- C. Chile

D.	Germany
----	---------

Which of the following do you need to consider when you make a table in SQL?
A. Data types
B. Primary keys
C. Default values
D. All of the above.
The most commonly used standard data code to represent alphabetical, numerical and ctuation characters used in Electronic Data Processing system is called
ASCII
EDOD!
EBCDII
BCD
All of the above
None of the above
f you use either Telnet or FTP, which is the highest layer you are using to transmit data? Application
Presentation
Session
Transport
——————————————————————————————————————

# UNIVERSITY OF MUMBAI'S GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT P.G.DIPLOMA IN INFORMATION TECHNOLOGY (PGDIT)

**ENTRANCE EXAMINATION** 

**DATE: 29-JUL-17** 

TIME: 11.00 AM TO 12.00 NOON

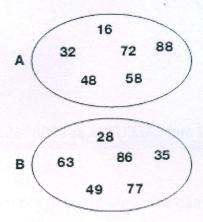
MARKS: 50

NOTE:

- > DO NOT CARRY MOBILE IN THE EXAMINATION HALL.
- > FOLLOW THE INSTRUCTION GIVE IN THE QUESTION
- > NO OVERWRITING IS ALLOWED
- > EACH QUESTION CARRIES TWO MARKS

1.

Which number is the odd one out in each oval?



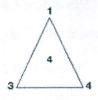
2.

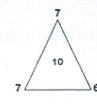
Which number replaces the question mark?

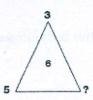


3. Which number replaces the question mark?

Which number replaces the question mark?







### 4. Which letter replaces the question mark?

Which letter replaces the question mark?



# 5. If DELHI is coded as 73541 and CALCUTTA as 82589662, how can CALICUT be coded?

- a. 5279431
- b. 5978213
- c. 8251896
- d. 8543691

## 6.COLOUR is coded as OCOLURL, then SPECTRUM is coded as "\_\_\_\_\_"?

- 7. 10 25639 5252 3232 = ?
- (1) 17255
- (2) 17551
- (3) 17515
- (4) 17155
- (5) None of these
- 8. Milk: Emulsion:: Butter:?
- (1) Aerosol
- (2) Suspension
- (3) Sol
- (4)Gel
- 9. Haemoglobin : Iron : : Chlorophyll : ?
- (1) Copper
- (2) Magnesium
- (3) Cobalt
- (4) Calcium

10. The first page of a website is called the		
11.In a column of girls Kamal is 11th from the front. who is 22nd from the front. How many girls are the columan?	the state of the s	
1)Six		
2)Eight		
3)Seven		
4) Nine		
12.34658 - 21541 - 2054 = ?		
1)11063		
2)13063		
3)10136		
4) 13106		
		65 A
13. A website address is a unique name that identifie	es a specific	on the web.
14.Dipa Karmakar a medal winner in Commonwealt	ch Games 2014 is asso	ciated with?
1)Squash		
2)Shooting		
3)Gymnastic		
4) Badminton		
15 Name the player of the Indian Cricket team who with the `CEAT International Cricketer' of the year 2		was honoured
1.YuvrajSingh		
2.GautamGambhir		
3.M.S.Dhoni		
4.Virat Kohli		
16.'Federation Cup' in India is associated with which	h sport?	
1)Hockey		
2)Football		
3)Basketball		
4) Badminton		

17. A softw	is a con vare and can s	nputer attache send web page	ed to the inter es out to the o	rnet that runs a special we ther computer over the in	b server ternet.
	the speed of a	a man is 45 kr	n per hour, th	en what is the distance tra	aveled by him in
	a) 275m	b)360m	c)375 m	d) 420 m	
19. W	/hat does SSL	stand for?			
A.	Secure Socke	t Layer			
B.	System Socke	et Layer			
C.	Superuser Sy	rstem Login			
D.	Secure System	m Login			
				n	novt?
		eries: 36, 34, 3	0, 28, 24, W	hat number should come	next:
A.					
В.	22				
C.	23				
D.	26				
21. L	ook at this se	eries: 70, 71, 7	76, <u> </u>	70, 91, What number sh	ould fill the blank?
A.	70				
В.	71				
C.	80				
D.	96				
Д.					
22.		wn as Iron m	an of India?		
A.	GovindBalla	ibh Pant			
B.	Jawaharlal I	Nehru			
C.	Subhash Ch	andra Bose			
D.	SardarValla	bhbhai Patel			

- 23. Michael Jackson is a distinguished person in the field of?
- A. Pop Music
- B. Jounalism
- C. Sports
- D. Acting
- 24. A byte is comprised of:
- A. One bit
- B. Four bits
- C. Eight bits
- D. Sixteen bits
- E. None of the above
- 25. In SQL, which command is used to add new rows to a table?
- A. ALTER TABLE
- B. ADD ROW
- C. INSERT
- D. APPEND
- E. None of the above

\*\*\*\*\*

SEAT	NO.	6	

#### UNIVERSITY OF MUMBAI GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT P.G. DIPLOMA IN INFORMATION TECHNOLOGY

#### (PGDIT)

#### **ENTRANCE EXAM**

SECOND ROUND

n	A	7	W.	6	24	-40	AL	16	۰	· (mark)	5
B.P.	. 16.	16	B /	6	200			n2		4	4444

TIME: 11.00AM TO 12.00 NOON

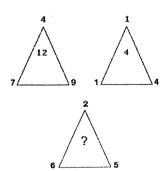
MARKS: 50

NO	TE:		DO NOT CARR ALL QUESTIC			E IN THE EXAMINATION HALL UAL MARKS
	1 Loc	ok at this se	eries: 36, 34, 30,	28, 24, W	hat n	umber should come next?
	. A	20			В	22
	С	23			D	26
	2 Lo	ok at this se	eries: F2,, D8	, C16, B32,	. Wh	at number should fill the blank?
	Α	A16			С	G4
	В	E4			D	E3
	3 <u>de</u>	sert				
	Α	Cactus			В	arid
	С	Oasis			D	flat
	4 <u>Ant</u>	ique				
	· А	Rarity			В	Artifact
	С	Aged			D	Prehistoric
	5 ELF	A, GLHA, ILJ	JA,, MLNA			
	Α	OLPA			В	KLMA
	В	LLMA			D	KLLA
	6 Yar	d is to inch a	s quart is to			
	Α.	gallon			В.	Ounce
	c.	milk		-	D.	Liquid
	7 Wh	ich word doe:	s NOT belong with	the others?		
	Α.	tulip			В.	Rose
	C.	bud			D.	Daisy
	8 Wh	nich word doe	es NOT belong with	the others?		
	Α.	noun			В.	Preposition
	C.	punctuation	1		D.	Adverb

9	mo wilk mo	e are some words translated from an artificia olokarn means blue sky kospadi means bicycle race olowilko means blue bicycle ich word could mean "racecar"?	al language.			
Α.		wilkozwet	В.	Spadiwilko		
C.		moolobreil	D.	Spadivolo		
10	Wh	at Galileo invented?	•			
Α.		Barometer				
В.		Pendulum clock				
C.		Microscope				
D.	,	Thermometer				
11	W	hat is the name of the person that controls a	footba	all match?		
Α.		A referee				
В.		An umpire				
C.		A spectator				
D.		A goalkeeper				
12	Ind	dia First won the Olympic Hockey Gold at				
Α.		London	В.	Amsterdam		
C.		Berlin	D.	Rome		
13	LIC	GHT:BLIND				
Α.		speech:dumb	B.	language:deaf		
C.		tongue:sound	D.	voice:vibration		
14	Th	e lead character in the film 'The Bandit Quee	n' has	been played by		
Α.		Rupa Ganguly				
B		Saama Riswas				

- C. Pratiba Sinha
- D. Shabama Azmi
- 15 The first Indian to receive Noble Prize in Literature was
  - A. Mother Teresa
  - B. C. V. Raman
  - C. Rabindranath Tagore
  - D. Sarojini Naidu
- 16 When is the World's Diabetes Day?
  - A. 14th November
  - B. 11th December
  - C. 15th October
  - D. 1st July
- 17 Which number replaces the question mark? =

Which number replaces the question mark?



18 Which letter replaces the question mark? =

Which letter replaces the question mark?



Α.	Compiler		
В.	Interpreter		
C.	Assembler		
D.	Comparator		
E.	None of the above		
20	Which of the following is not an output device	e of a cor	mputer?
A.	Printer		
В.	Keyboard		
c.	VDU		
D.	CRT screen		
E.	All of the above		
21	Which of the following operating systems is p	oroduced	by IBM?
Α.	OS-2	В.	Windows
C.	DOS	D.	UNIX
22	What is a URL?		
Α.	A computer software program		
В.	A type of UFO		
C.	The address of a document or "page" on t	he World	Wide Web
D.	An acronym for Uniform Resources Learnin	ng	
23	On which of the following sites can you set u	p your en	nail account:
A.	Www.linux.org	В.	Www.gre.org
c.	Www.syvum.com	D.	Www.hotmail.com

19 A computer program that converts assembly language to machine language is

24 Which of the following is not a valid domain name?

A. Www.yahoo.com

B. Www.yahoo.co.uk

C. Www.fr.yahoo

D. Www.yahoo.fr

25 What kind of data can you send by e-mail?

A. Audio

B. Pictures

C. Video

D. All of the above

\* \* \*

SEAT	NO	•

# UNIVERSITY OF MUMBAI

#### GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT P.G. DIPLOMA IN INFORMATION TECHNOLOGY (PGDIT) ENTRANCE EXAM

NA	TF.	03-	AI	IC.	_ [ 4	4

TIME - 11 00AM TO 12 00 NOON

MARKS: 50

1. A pe				AL MARKS (2 marks ear) What is his speed in km per hour?
A.	3.6		8.	7.2
Cx	8.4		D.	10
	present ages of three pe ges was 56. Find their pro			: 7 : 9. Eight years ago, the sum o
Α.	8, 20, 28	₿.	16, 2	28, 36
C	C. 20, 35, 45	D.	None	of these
3. Hoc	key was introduced in the	Asian Games i	n	
Α.	1958 in Tokyo			
В.	1962 in Jakarta			
C.	1966 in Bangkok			
	1970 in Bangkok			
D.	_			
4. Joe Mark w Kathy i If the f	is younger than Kathy.  vas born after Joe.  is older than Mark.  irst two statements are to	rue, the third st	cateme	nt is
4. Joe Mark w Kathy i	is younger than Kathy.  vas born after Joe.  is older than Mark.	rue, the third st	ateme	nt is
4. Joe Mark w Kathy i If the f	is younger than Kathy. vas born after Joe. is older than Mark. irst two statements are tr	rue, the third st	ateme	nt is
4. Joe Mark w Kathy i If the f True	is younger than Kathy. vas born after Joe. is older than Mark. irst two statements are tr	rue, the third st	ateme	nt is
4. Joe Mark w Kathy i If the f True False Unce	is younger than Kathy. vas born after Joe. is older than Mark. irst two statements are to	pons (CFC) gas	which	
4. Joe Mark w Kathy i If the f True False Unce	is younger than Kathy. vas born after Joe. is older than Mark. irst two statements are to rtain	pons (CFC) gas	which	nt is is proposed to be banned in India, i
4. Joe Mark w Kathy i If the f True False Unce 5. Prodused in	is younger than Kathy.  yas born after Joe. is older than Mark. First two statements are to  rtain  fuction of chlorofluorocart in which of the following do	pons (CFC) gas	which	
4. Joe Mark w Kathy i If the f True False Unce 5. Prodused in	is younger than Kathy.  yas born after Joe. is older than Mark.  First two statements are to  rtain  luction of chlorofluorocart in which of the following do  Television	pons (CFC) gas	which	

~ ~ ~ ~ ~ ~				
6. Wh	at is the unit for meas	uring the amplitude of	a sou	nd?
Α.	Decibel	10 mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/m	С	oulomb
C.	Hum	D	С	ycles
7. Loc	k at this series: 7, 10,	8, 11, 9, 12, What	numb	er should come next?
A.	7	B.	1	0
C.	12	D	13	3
8. In th	nese series, you will be	looking at both the lette	r patte	ern and the number pattern. Fill the
DIAIIK	n the middle of the seri	es or end of the series.		
QAR, I	RAS, SAT, TAU,			
A.	UAV	B.	U	AT
C.	TAS	D.	TA	AT
9. Lool	k carefully at the seque	nce of symbols to find t	ne pat	itern. Select correct pattern.
		Ο · Δ		
			7 0	?
			\_	
	-			(4)
				• • •
Α.	1	В.	2	
C.	3	D.	4	
10 Loc	nk carefully at the secure			attern. Select correct pattern.
10. 200	n our orang at the ocque	and of dynadio to lind	aic pe	atem. Geleet Gemeet pattem.
				?
	•••	* • • • • • • • • • • • • • • • • • • •		
	***			
	(	1) (2)	[3)	(4)
Α.	1	**************************************	2	
C.	3	D.	4	
1 ln w	which of the following for	rm data is stored in co	nnute	r ?
A.	Decimal		приц <del>е</del> В.	Binary
C.	HexaDecimal	Γ	. (	Octal

12. Which among following is an image name e	xtension ?
A. gif	B. docx
C, ppt	D. lib
13. Who invented Java?	
A. Deniss Ritche B.	James Gosling
C. Bajarnae D.	Linus Torvalds
14. Where is RAM located ?	
A.Expansion Board B.External Drive C.N	Nother Board D.All of above
15. If a computer provides database serv A.Web server B.Application server C.D	ices to other, then it will be known as ? Patabase server D.FTP server
16. Recently, which of the following auto named Creta in India?	makers launched its first compact SUV
A.Toyota B.Maruti Suzuki . C.Tata Mo	otors D.Hyundai
17. Who was the father of Internet ? A.Chares Babbage B.Vint Cerf C.Denis F	Riche D.Martin Cooper
18.What is LINUX ? A.Malware B.Operating System C.Applica	ation Program D.Firmware
19. What is the name of first super compo A.Saga 220 B.PARAM 8000 C.ENIAC	uter of India ? D.PARAM 6000
20. USB is which type of storage device ? A.Primay B.Secondary C.Tertiary D.No	one of above
21. If a computer provides database serv A.Web server B.Application server C.D	ices to other, then it will be known as ? Patabase server D.FTP server
22. Arun went for a movie nine days ago. Thursdays. What day of the week is today	He goes to watch movies only on ?
A.WEDNESDAY B.SATURDAY C.FRIDAY	D.MONDAY

.

- 23. Who is the author of the book "Kashmir: The Vajpayee Years"?
- A. A K Sinha B.Shyam Mukherji C.A S Dulat D.P J Nayak
- 24 Who won the Commonwealth Chess Championship title-2015?
- A .Arghyadip Das B. Abhijeet Gupta C.Lalith Babu D.Mukund Pal 25. The Average age of a class of 22 students is 21 years. The average increased by 1 when the teacher's age also included. What is the age of the teacher?

A.48 B.45 C.43 D.44

# PGDIT

#### SEAT NO.

#### UNIVERSITY OF MUMBAI GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT ENTRANCE EXAMINATION

### P.G. DIPLOMA IN INFORMATION TECHNOLOGY (PGDIT)

D.	4	E	8	Name of the last	7	/	0	7	1	12	0	parony	4

TIME: 11.00 AM TO 12.00 NOON

MARKS: 50

#### NOTE:-

- All 50 questions are compulsory. Each question carries 1 mark.
- Tick the correct option for the answer.
  - 1. Find the odd man out:

10, 25, 45, 54, 60, 75, 80

- A. 10
- B. 60
- C. 54
- D. 80
- 2. Find the odd man out:.

22, 33, 66, 99, 121, 279, 594

- **A.** 33
- B. 121
- **C**. 279
- D. 594
- 3. What number should come next in the following series?

- A. (1/3)
- B. (1/8)
- C. (2/8)
- D. (1/16)
- 4. What number should come next in the following series?

- Α. .
- B. 10
- C. 12
- D. 13
- 5. Choose the word that is a necessary part of the word bird.
  - A. sky
  - B. fly
  - C. feather
  - D. wing
- 6. The equation  $y^2 = 4ax$  is necessarily the equation of
  - A. Parabola
  - B. Hyperbola
  - C. Helix
  - D. Ellipse

Papur

1.

If the above matrix is singular then

- **A.** X = 5
- B. X=2
- $\mathbf{C}$ . X=0
- D. None of the above

8. 
$$y=3x+7$$
 ---- (a)

$$y = 5x + 7$$
 ---- (b)

$$y = 3x + 10$$
 ---- (c)

The above equations

- A. (a) and (b) present parallel lines
- B. ((b) and (c) present parallel lines
- C. (a) and (c) present parallel lines
- D. None of the above
- 9. The distance between two points P(x1,y1) and Q(x2, y2) is given by

A. 
$$\sqrt{(x_1-x_2)^2-(y_1-y_2)^2}$$

B. 
$$\sqrt{(x_1-y_1)^2-(x_2-y_2)^2}$$

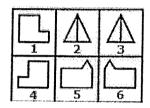
C. 
$$\sqrt{(x_1-x_2)^2+(y_1-y_2)^2}$$

**D.** None of the above

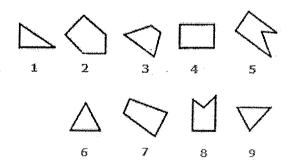
- 10. The discount on a packet of sweets costing Rs. 75 marked down to Rs. 69 is
  - **A.** 10%
  - B. 7%
  - **C.** 8%
  - D. 12%
- 11. The co-ordinates of the centre of the circle  $(x-1)^2 + (y-4)^2 = 9$  are
  - A. (4,1)
  - B. (1,4)
  - **C.** (3,0)
  - D. (1,2)
- **12.** A bird approaching the top of the tower 300 meters high makes an angle of depression of 45<sup>0</sup> at a certain instant. The distance it needs to make to reach the tower is

- A. 300 meters
- B. 150 meters
- C. 600 meters
- D. 100 meters
- **13.** Present ages of Sashank and Anand are in the ratio of 5 : 4 respectively. Three years hence, the ratio of their ages will become 11 : 9 respectively. What is Anand's present age in years?
  - A. 44
  - B. 36
  - **C.** 30
  - D. 24
- **14.** The sum of ages of 3 children born at the intervals of 2 years each is 21 years. What is the age of the youngest child?
  - A. 5
  - B. 8
  - **C.** 10
  - D. 6
- **15.**A man is 30 years older than his son. In three years, his age will be twice the age of his son. The present age of his son is:
  - A. 21 years
  - B. 27 years
  - C. 20 years
  - D. 22 years
- **16.**Ram and Shyam earn an average monthly income of Rs. 5000. The average monthly income of Shyam and Prem is Rs. 6000 and the average monthly income of Ram and Prem is Rs. 5500. The monthly income of Prem is:
  - **A.** 6500
  - B. 6000
  - **C.** 5500
  - **D.** 5000
- 17. Below are given two statements I and II. Read both the statements and decide which of the following answer choice correctly depicts the relationship between these two statements
  - Importance of Yoga and exercise is being realized by all sections of the society.
  - II. There is an increasing awareness about health in the society particularly among middle age group of people.
    - A. Statement I is the cause and statement II is its effect.
    - B. Statement II is the cause and statement I is its effect.
    - C. Both the statements I and II are independent causes.
    - D. Both the statements I and II are effects of independent causes.
    - E. Both the statements I and II are effects of some common cause.

- 18. Arrange the words given below in a meaningful sequence.
  - 1.Door
- 2. Key 3. Lock
- 4. Room 5.Enter
- A. 5, 1, 2, 4, 3
- B. 2,3, 1, 5, 4
- C. 1, 3, 2, 4, 5
- D. 1, 2, 3, 5, 4
- 19. Sita is older than Geeta.
  - Cynthia is older than Sita.
    - Cynthia is older than Geeta.
      - If the first two statements are true, the third statement is
        - A. true
        - B. false
        - C. uncertain
  - 20. Group the given figures into three classes using each figure only once

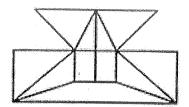


- **A.** 1,4; 2,3; 5,6
- **B.** 1,5; 2,6; 4,3
- **C.** 1,6; 2,3; 4,5
- D. 1,2; 3,6; 4,5
- 21. Group the given figures into three classes using each figure only once.



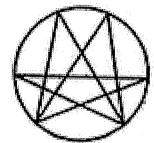
- **A.** 7,8,9; 2,4,3; 1,5,6
- **B.** 1,3,2; 4,5,7; 6,8,9
- **C.** 1,6,8; 3,4,7; 2,5,9
- **D.** 1,6,9; 3,4,7; 2,5,8

22. Find the minimum number of straight lines required to make the given figure.



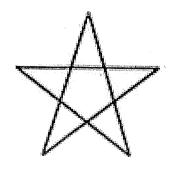
- A. 16
- B. 17
- C. 18
- D. 19

23. Find the number of triangles in the given circle below:



- **A.** 22
- B. 24
- **C.** 26
- **D**. 28

24. Find the number of triangles in the given figure.

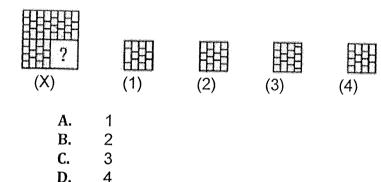


- A. 5
- B. 6
- **C.** 8
- D. 10

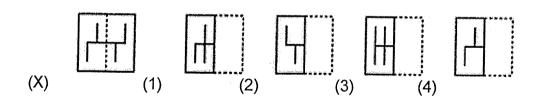
25. If 10 people can do a piece of work in 5 days, working 2 hours a day, how long will 2 people take to do the same work, working 5 hours a day?

- A.
- В. 5
- C. 10
- D. 12

26. Identify the figure that completes the following pattern.

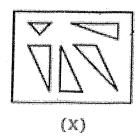


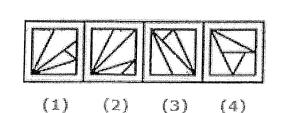
27. Findout from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.



- A. 1 B. 2 C. 3
- D.

28. Find out which of the figures (1), (2), (3) and (4) can be formed from the pieces given in figure (X).





sentence. Choose the prop	er sequence:
When P :he did not know Q : he was nervous and R : he heard the hue and S : what to do	cry at midnight
The Proper sequence should  A. RQPS  B. QSPR  C. SQPR  D. PQRS	l be:
32. A motorcycle traveled 60 Kn itsspeed in Kmph? A. 150 B. 80 C. 120 D. 60	n in 30 minutes. How
33. Which word does NOT belor A. rudder B. deck C. sail D. ship	ng with the others?
	7

many Km per hour was

A. 1 B. 2 C. 3 D. 4

if I come it will not rain

if it rains I shall not come

30. Arrange the following in a meaningful sequence:

"Even if it rains I shall come" means:-

A. 2,3,1,4,5 B. 2,3,4,1,5 **C.** 4,3,1,2,5 **D.** 5,1,4,3,2

A. B.

C.

D.

29. Pick out the best one which can compete meaningfully.

whenever there is rain I shall come

I will certainly come whether it rains or not

1. Consultation 2.Illness 3.Doctor 4.Treatment 5. Recovery

31. Rearrange these parts, which are labeled P, Q, R and S to produce the correct

- **34.** Which word does NOT belong with the others?
  - A. trumpet
  - B. whistle
  - C. guitar
  - D. flute
- **35.** The school principal has received complaints from parents about bullying in the school yard during recess. He wants to investigate and end this situation as soon as possible, so he has asked the recess aides to watch closely. Which situation should the recess aides report to the principal?
  - A. A girl is sitting glumly on a bench reading a book and not interacting with her peers.
  - B. Four girls are surrounding another girl and seem to have possession of her backpack.
  - **C.** Two boys are playing a one-on-one game of basketball and are arguing over the last basket scored.
  - D. Three boys are huddled over a handheld video game, which isn't supposed to be on school grounds.

**36.** All the tulips in Rajesh's garden are white.

All the roses in Rajesh's garden are pink.

All the flowers in Rajesh's garden are either white or pink.

If the first two statements are true, the third statement is

- A. true
- B. false
- C. uncertain
- 37. Ink is to pen as Diesel is to
  - A. Can
  - B. Fuel tank
  - C. Pump
  - D. Car
- **38.** Entomology is the science that studies
  - A. Behavior of human beings
  - B. Insects
  - C. The origin and history of technical and scientific terms
  - D. The formation of rocks
- 39. Tags such as <Head></Head> are used while scripting
  - A. HTML
  - B. C program
  - C. Java code
  - D. None of the above

40.LINUX	ie '
	Proprietary Software
	Free and Open Source Software
	Mac O.S. clone
	None of the above
L.J.«	None of the above
41. Whicho	f the following three main search expressions, or operators, recognized
by Bool	ean logic?
Α.	FROM, TO, WHOM
В.	AND, OR, NOT
C.	SEARCH, KEYWORD, TEXT
D.	AND, OR, BUT
12 <studo< td=""><td>nt123@giced.mu.ac.in&gt; is an example of</td></studo<>	nt123@giced.mu.ac.in> is an example of
	A URL
	An access code
	A directory
	Email address
D.	Linai address
43. Which o	one of the following is not an operating system?
	Microsoft Windows
	Android
	Oracle
	Linux
	tions in the computer are done by the
	ALU
	Hard disk
<b>C.</b>	RAM
15 The dic	gits 68232578, and 87523286 are the same
	Amount
	Backwards
	Number
	None Of The Above
D	Notic Of The Above
<b>46.</b> Data Ne	etworking is associated with
	Social media
	Computers
	Video conferencing
	All of the above
	e <iostream> belongs to the following programming language:</iostream>
	C++
	Fortran
	Cobol
D.	Basic

- **48.** If ABC is a right angle triangle then the sides AB,BC and CA are given by the following units:
  - A. 4,5,25
  - B. 8,15,17
  - C. 8,9,16
  - D. 7,8,12
  - E. None of the above
- 49. Binary number is expressed by the following numeral system
  - A. base-2
  - B. base-10
  - C. base-8
  - D. none of the above
- 50. Which of the following is not a peripheral device of the PC. ?
  - A. Key board
  - B. Mouse
  - C. Microprocessor
  - D. Printer

#### GDIT LL SEATNO.

#### UNIVERSITY OF MUMBAI

# GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT ENTRANCE EXAMINATION

# P.G. DIPLOMA IN INFORMATION TECHNOLOGY (PGDIT) THIRD ROUND

DATE	0	14-	A	49	allen	14

TIME: 11.00 AM TO 12.00 NOON

MARKS: 50

NOTE: All 50 questions are compulsory. Each question carries 1 mark. Tick the correct option for the answer.

- 1. Which one of the following is not a prime number?
  - A. 31
  - B. 71
  - C. 61
  - D. 91
- 2. What should come in place of both x in the equation  $x/(\sqrt{128}) = (\sqrt{162})/x$ 
  - A. 12
  - B. 144
  - C. 14
  - D. 196
- 3. If  $\sqrt{5}$  = 2.236, then what will be the value of  $\sqrt{80}$  +  $6\sqrt{5}$ 
  - A. 13.41
  - B. 20.46
  - C. 21.66
  - D. 22.36
- 4. What number should come next?

58, 52, 46, 40, 34, \_\_\_

- A. 26
- B. 28
- C. 30
- D. 32
- 5. Choose the word that is a necessary part of the wordBook
  - A. fiction
  - B. pages
  - C. pictures
  - D. learning
- 6. Choose the word that is a necessary part of thewordGuitar
  - A. band
  - B. teacher
  - C. songs
  - D. strings
- 7. Choose the word that is a necessary part of the word bird.
  - A. sky
  - B. fly
  - C. feather
  - D. wing

- 8. The ratio between the perimeter and the breadth of a rectangle is 5:1. If the area of the rectangle is 216 sq. cm, what is the length of the rectangle?
  - A. 16 cm
  - B. 18 cm
  - C. 24 cm
  - D. 12 cm
- 9. The diagonal of a rectangular field is 7.5 m. The shorter side of the field is 4.5 m. The area of the field in sq.m. is:
  - A. 25 sq. m
  - B. 27 sq. m
  - C. 37.5 sq. m
  - D. 28.25 sq. m
- **10.** The equation  $(y^2/a^2) (x^2/b^2) = 1$ , is the equation of
  - A. Parabola
  - B. Helix
  - C. Hyperbola
  - D. Ellipse
- 11.

4 5 X 5

If the above matrix is singular then

- **A.** X = 5
- B. X=2
- C. X=4
- D. None of the above

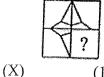
**12.** y= -2x+1 ---- (a) y= (1/2) x+4 ---- (b)

In the above equations:

- A. (a) and (b) are parallel lines
- B. (a) and (b) are perpendicular lines
- C. None of the above
- **13.** The digits 96232578, and 87523269 are the same \_\_\_\_.
  - A Amount
  - **B** Backwards
  - C Number
  - D None of the above

- **14.** [(Log √8)/Log 8] =
  - A. 1/\s
  - B. 1/8
  - C. 1/2
  - D. 1/4
- 15. The discount on a packet of sweets costing Rs. 75 marked down to Rs. 69 is
  - A. 10%
  - B. 7%
  - **C.** 8%
  - D. 12%
- $16.x^2 + y^2 + 2(2x-y) = 11$  is an equation of
  - A. Circle center(2,-1) radius=4
  - B. Circle center(-2,1) radius=4
  - C. Circle center(2,-1) radius=11
  - D. Circle center(-2,-1) radius=2
- 17. A bird approaching the top of the tower 330 meters high makes an angle of depression of 45<sup>0</sup> at a certain instant. The distance it needs to make to reach the tower is
  - A. 300 meters
  - B. 150 meters
  - C. 330 meters
  - D. 100 meters
- 18. Anita's father was 38 years of age when she was born while her mother was 36 years old when her brother four years younger to her was born. What is the difference between the ages of her parents?
  - **A.** 2
  - **B.** 4
  - **C.** 6
  - **D.** 8
- **19.** A is two years older than B who is twice as old as C. If the total of the ages of A, B and C be 27, the how old is B?
  - A. 7
  - **B.** 8
  - **C.** 9
  - **D**. 10

- 20. Below are given two statements I and II. Read both the statements and decide which of the following answer choice correctly depicts the relationship between these two statements.
  - I. The meteorological Department has issued a statement mentioning deficient rainfall during monsoon in many parts of the country.
  - II. The Government has lowered the revised estimated GDP growth from the level of earlier estimates.
    - A. Statement I is the cause and statement II is its effect.
    - B. Statement II is the cause and statement I is its effect.
    - C. Both the statements I and II are independent causes.
    - D. Both the statements I and II are effects of independent causes.
    - A. Both the statements I and II are effects of some common cause
- 21. Success in this examination depends \_\_\_\_ hard work alone.
  - A. at
  - B. over
  - C. for
  - D. on
- 22. In the first 10 overs of a cricket game, the run rate was only 3.2. What should be the run rate in the remaining 40 overs to reach the target of 282 runs?
  - A. 6.25
  - B. 6.5
  - **C.** 6.75
  - D. 7
- 23. Arrange the words given below in a meaningful sequence. 1. Key 3. Lock
  - 2. Door A. 5, 1, 2, 4, 3
    - **B.** 4, 2, 1, 5, 3
    - **C.** 1, 3, 2, 4, 5
    - D. 1, 2, 3, 5, 4
- 24. Identify the figure that completes the pattern.







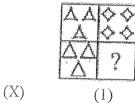
4. Room

5. Switch on

A. 1

- **B.** 2
- **C.** 3
- D. 4

25. Identify the figure that completes the pattern.





(2) (3)





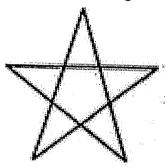
A. 1

**B.** 2

**C.** 3

**D.** 4

26. Find the number of triangles in the given figure.



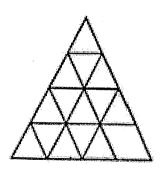
**A.** 5

**B.** 6

**C.** 10

**D.** 8

27. Find the minimum number of straight lines required to make the given figure.



**A.** 9

B. 15

C. 11

**D**. 16

28. If 12 peop will 2 peo A. B. C. D.	ole can do a piece of work in 5 days, working 2 hours a day, how long ple take to do the same work, working 5 hours a day? 8 5 10 12
1. Cor A. B. C.	ne following in a meaningful sequence : sultation 2.Illness 3.Doctor 4.Treatment 5. Recovery 2,3,1,4,5 2,3,4,1,5 4,3,1,2,5 5,1,4,3,2
А. В. С.	eled 60 Km in 20 minutes. How many Km per hour was itsspeed? 180 80 120 60
The mang All fruit tr	the park are fruit trees. to trees are alphonso type tees in the park are Alphonso type. statements are true, the third statement is A. True B. False C. Uncertain
Sachinate fe	function, Nayan ate more sweets than Mayank.□ wer sweets than Ramesh.□ more sweets than Nayan.
If the first tv	vo statements are true, the third statement is A. True B. False C. Uncertain
Oranges	ost more than lemons. cost less than mangoes. cost more than both lemons and Oranges.
A. true B. false	
<b>34.</b> Odometer i	s to mileage as compass is to  A. speed  B. hiking  C. needle

D. direction

- **35.** The three main search expressions, or operators, recognized by Boolean logic are:
  - A. FROM, TO, WHOM
  - B. AND, OR, NOT
  - C. SEARCH, KEYWORD, TEXT
  - D. AND, OR, BUT
- 36. The Internet is formed by
  - A. Link of many Nations
  - B. Link of Computers
  - C. Link of International clubs
  - D. Link of fishing boats
- 37. http://www.mu.ac.in is an example of :
  - A. A URL
  - B. An access code
  - **C.** A directory
  - D. A server
- 38. The computer necessarily consists of
  - A. Hard disk printer and monitor
  - B. Hard disk, cpu and mother board
  - C. CPU, dongle and USB
  - D. CPU, motherboard and Printer
- 39. C/C++, Fortran, Pascal are
  - A. Operating systems
  - B. Proprietary Software
  - C. Programming languages
  - D. None of the above
- 40. Which one of the following is a search engine?
  - A. Macromedia Flash
  - B. Google
  - C. Netscape
  - D. Oracle
- 41. 'Algorithm ' is associated with
  - A. Logarithm
  - B. Algae
  - C. Calculator
  - D. Computer programming
- 42. Calculations in the computer are done by the
  - A. ALU
  - B. Hard disk
  - C. RAM

<ul><li>A. C++</li><li>B. Java</li><li>C. None of the above</li><li>D. Both C++ and Java</li></ul>	43.	Whichof the fol	lowing are object oriented languages
C. None of the above		$A_{*}$	C++
		В.	Java
D. Both C++ and Java		C.	None of the above
		D.	Both C++ and Java
	F-F 2		
44. 'Mbps 'is used to measure		A	Bandwidth

- B. Memory usage
- C. Disk space usage
- 45. Which of the following is Free and Open Source Software?
  - A. Windows Vista
  - B. Mac o.s. Snow Leopard
  - C. Windows XP
  - D. Linux
- 46. URL stands for
  - A. Universal Research Locator
  - B. Uniform Resource Locator
  - C. Unlimited Resource Locator
  - D. United Resources limited
- 47. RDBMS is related to
  - A. Hardware
  - B. Programming
  - C. Data bases
  - D. Website
- 48. Tags such as <Head></Head> are used while scripting
  - A. HTML
  - B. C program
  - C. Java code
  - D. None of the above
- **49.** The binary system uses powers of
  - A. 2
  - B. 10
  - C. 8
  - D. 16
- 50. An Operating System used in Mobile phones:
  - A. Windows XP
  - B. Red Hat Linux
  - C. Android
  - D. All of the above

### PGDIT

SEAT	NO.	*	

## UNIVERSITY OF MUMBAI GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT P.G.DIPLOMA IN INFORMATION TECHNOLOGY ENTRANCE EXAM

DATE: 17/07/13	DA	TE		17	70	71	13
----------------	----	----	--	----	----	----	----

TIME: 11.00AM TO 12.00 NOON

MARKS: 50

#### NOTE:-

- \* All 50 questions are compulsory. Each question carries I mark,
- 1. Which word from below is a necessary part of the word "computer"
  - A. Disk
  - B. Storage
  - **C.** Electronic
    - **D.** Digital
- 2. Fill in the blank the missing number of the series?

- **A.** 30
- B. 21
- **C**. 26
- D. 34
- **3.** A bird approaching the top of the tower 200 meters high makes an angle of depression of 45<sup>0</sup> at a certain instant. The distance it needs to make to reach the tower is
  - A. 200 meters
  - B. 100 meters
  - C. 220 meters
  - D. 110 meters
- **4.** Two lines are given as 3x+2y=11 and 6x+4y=15 then
  - A The lines are parallel
  - B The lines intersect
  - C The lines are skew

TIOP

5. Observing the rows, which number should replace the question mark "?"

16	9	5	5
12	8	5	4
9 6. 4	9	6	3
12	4	4	?

- A. 7
- B. 4
- C. 3
- D. 5
- 6. The average weight of 8 person's increases by 2 kg when a new person comes in place of one of them weighing 65 kg. What might be the weight of the new person?
  - **A** 67 Kg
  - **B** 63 Kg
  - C 81 Kg
  - D None of the above
- 7. The cost price of 25 articles is the same as the selling price of x articles. If the profit is 25%, then the value of x is:
  - **A.** 15
  - B. 20
  - **C**. 18
  - **D**. 25
- 8. A can do a work in 15 days and B in 20 days. If they work on it together for 4 days, then the fraction of the work that is left is:
  - A. 1/4
  - B. 1/10
  - C. 7/15
  - D. 8/15
  - **9.** The sum of ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child?
    - A. 8 years
    - B. 9 yéars
    - C. 4 years
    - D. 7 years

Mara runs faster than Gail. ☐Lily runs faster than Mara. ☐Gail runs faster than Lily.

If the first two statements are true, the third statement is

- A. True
- B. False
- C. Uncertain
- **11.** Statements: Some doctors are fools. Some fools are rich Conclusions:
  - I. Some doctors are rich
  - II. Some rich are doctors.
    - A. Only conclusion I follows
    - B. Only conclusion II follows
    - C. Either I or II follows
    - D. Neither I nor II follows
    - E. Both I and II follow
- **12.** Arrange the words given below in a meaningful sequence.
  - 1. Correction 2. Write
- 3. Paper

- 4. Study
- 5. Result
- **A.** 4, 2, 3, 1, 5
- B. 1, 2, 4, 3, 5
- **C.** 5, 4, 3, 2, 1
- **D.** 3, 1, 4, 5, 2
- **13.** Rearrange these parts, which are labeled P, Q, R and S to produce the correct sentence. Choose the proper sequence:

When

P: he did not know

Q: he was nervous and

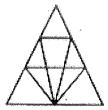
R: he heard the hue and cry at midnight

S: what to do

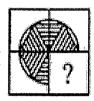
The Proper sequence should be:

- A. RQPS
- B. QSPR
- C. SQPR
- D. PQRS

14. Find the number of triangles in the given figure



- A. 12
- B. 18
- **C**. 22
- **D**. 26
- 15. Identify the figure that completes the following pattern





(1)



(2)



(3)



- B. 2
- **C.** 3
- D. 4
- Below are given two statements I and II. Read both the statements and decide which of the following answer choice correctly depicts the relationship between these two statements.
  - I. The meteorological Department has issued a statement mentioning deficient rainfall during monsoon in many parts of the country.
  - II. The Government has lowered the revised estimated GDP growth from the level of earlier estimates.
    - A Statement I is the cause and statement II is its effect.
    - B Statement II is the cause and statement I is its effect.
    - C Both the statements I and II are independent causes.
    - D Both the statements I and II are effects of independent causes.

- Below are given two statements I and II. Read both the statements and decide which of the following answer choice correctly depicts the relationship between these two statements
  - I. Importance of Yoga and exercise is being realized by all sections of the society.
  - II. There is an increasing awareness about health in the society particularly among middle age group of people.
    - A Statement I is the cause and statement II is its effect.
    - B Statement II is the cause and statement I is its effect.
    - C Both the statements I and II are independent causes.
      - D Both the statements I and II are effects of independent causes.
    - E Both the statements I and II are effects of some common cause.
- A loosely hanging thread is attached to distantly spaced two nails on a board. If a pencil with its point stretches the thread tightly, which of the following figures will describe the path it moves along the board?
  - A. Circle
  - B. Oval
  - C. Ellipse
- **19.** A motorcar traveled 60 Km in 30 minutes. How many Km per hour was its speed?
  - **A** 150
  - **B** 80
  - C 120
  - D 60
- Pineapples cost more than lemons.Pineapples cost less than mangoes.Mangoes cost more than both lemons and Pineapples.

If the first two statements are true, the third statement is

- A. True
- B. False
- C. Uncertain
- **21.** For a parabola  $y^2 = 4ax$ , the equation of the tangent at (x1, y1) is
  - **A.**  $yy1=2a(x+x1)^{-1}$
  - B. yy1=2a(x-x1)
  - C. yy1=4a(x+x1)

22.	to typ pages comp	e 30 pages on a computer, whi s. How much time will they take uters to type an assignment of	n assignment. Mayur takes 6 hour le Dinesh takes 8 hours to type 40 , working together on two differen 110 pages?
	A B C D	6 8 12 10	
<b>23.</b>		ne y= $m_1x+1$ and y= $m_2x+3$ are re equal the lines are	two straight lines. If the slopes m
	A B C D	Intersecting Parallel Perpendicular None of the above	
24.	If you	rearrange the letters "ANLDEG	6N" you would have the name of
	A B C D	Baseball Player Country State Actor	
<b>25.</b> by		orthern hemisphere and the so	uthern hemisphere are separated
	A B C D	The International Date line The plane of the equator The plane of Tropic of Cancer The plane of Tropic of Caprico	
	A cynthing.	ic is one who knows the	of everything and the value of
	<b>B</b> . E <b>C</b> . P	leaning motion rice uality	
27.	Ink is	to pen as Petrol is to	•
es .	A B C D	Can Fuel tank Pump Motor	

<b>28.</b>	Doctor' is relate elated to	d to 'Stethosco	pe' in the sam	e way as 'Ca	rpenter' is
	A. Polisl B. Wood C. Furni D. Saw	ł			
29.	A. Ugly B. Beautiful C. Tempting D. Weather	]	has thorns.		
30.	If you rearrange  A Baseball  B Fruit  C State  D Actor		ROANE" you w	ould have the	e name of
31.	Find the number	A. 24 B. 26 C. 28 D. 22	4 3 3	e.	
<b>32.</b> is		akes the best c	omparison? R	EAD is to DE	AR as 6323
	A 3326 B 3623 C 6232 D 3236				√°.
33.		rrot jeon ck	ke the others?		

- 48. 'Query' are used in
  - A Programs
  - B Data base
  - C Internet connectivity
  - D Portal
- **49.** Which of the following statements should be used to obtain a remainder after dividing 3.14 by 2.1 while programming in C?
  - A. rem = 3.14 % 2.1
  - B. rem = modf(3.14, 2.1)
  - C. rem = fmod(3.14, 2.1)
- 50. #include <iostream> is used in the following programming language:
  - A. C++
  - B. Fortran
  - C. Cobol
  - D. Basic

PGIDIT

SEAT NO.:

#### UNIVERSITY OF MUMBAI

### GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT P.G.DIPLOMA IN INFORMATION TECHNOLOGY SECOND ROUND ENTRANCE EXAM

	ENIKAN	CE EXAM		
DATE: 05 08 2013	TIME: 11-co	AM TO	12.00 NOON.	MARKS: 50
NOTE:-				
* All questions are con	npulsory. Each q	uestions ca	rries 1 mark.	
* Tick the correct opti-	on for the answe	r.	•	
			• .	
<b>1.</b> What number should 1, 8, 27, 64,	I come next in the	following se	eries?	
A. 121 B. 128 C. 125 D. 112				
2. Which two numbers 61, 61, 50, 50, 39, 39		in the serie	s below?	
A. 25, 25 B. 30, 30 C. 21, 21 D. 28, 28				
<ul><li>3. Choose the word that</li><li>A. Band</li><li>B. Music</li><li>C. Songs</li><li>D. Percussion</li></ul>	at is a necessary p	part of the w	ord <b>drum.</b>	

- **4.** If length of the sides AB, BC and CA of a triangle are 8cm, 15 cm and 17 cm respectively, then the triangle ABC is
  - A. Isosceles
    - B. Right angled
  - C. None of the above
- **5.** A can do a work in 15 days and B in 20 days. If they work on it together for 4 days, then the fraction of the work that is left is :
  - A. 1/4
  - B. 1/10
  - **C.** 7/15
  - **D.** 8/15

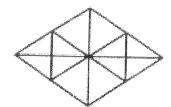
- **6.** A man's speed with the current is 15 km/hr and the speed of the current is 2.5 km/hr. The man's speed *against* the current is:
  - A. 8.5 km/hr
  - **B**. 9 km/hr
  - C. 10 km/hr
  - **D**. 12.5 km/hr
- 7. A fruit seller had some apples. He sells 40% apples and still has 420 apples. Originally, he had:
  - A. 588 apples
  - B. 600 apples
  - C. 672 apples
  - D. 700 apples
- 8. The distance between two lines 3y 4x + 21 = 0 and 3y 4x + 1 = 0 is
  - **A.** 23/3√5
  - **B.** 3/20
  - **C.** 20/25
  - **D.** 22/25
- 9. The co-ordinates of the centre of the circle  $x^2 2x + y^2 10y + 1 = 0$  are
  - A. (5,1)
  - B. (1,5)
  - C. (2,1)
  - D. (1,2)
- 10. A man from the top of a 100 metre high tower sees a car moving towards the tower at an angle of depression of 30 Degrees. After sometimes, the angle of depression becomes 60 Degrees. The distance (in metres) traveled by the car during this time is
  - **A.** 100√3
  - **B.** 200 /√3
  - **C.** 100/√3
  - **D.** 200√3
- **11.** A is two years older than B who is twice as old as C. If the total of the ages of A, B and C be 27, the how old is B?
  - **A**. 7
  - **B**. 8
  - **C**. 9
  - **D**. 10

- 12. A father said to his son, "I was as old as you are at the present at the time of your birth". If the father's age is 38 years now, the son's age five years back was:
  - A. 14 years
  - B. 19 years
  - C. 33 years
  - **D**. 38 years
- 13. The average weight of A, B and C is 45 kg. If the average weight of A and B be 40 kg and that of B and C be 43 kg, then the weight of B is:
  - **A.** 17 kg
  - **B**. 31 kg
  - **C**. 26 kg
  - **D**. 20 kg
- 14. Arrange the words given below in a meaningful sequence.

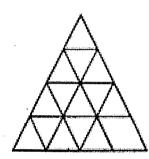
  - 1. Bell 2. Door 3. Room 4. Enter

- **A.** 5, 1, 2, 4, 3
- B. 4, 2, 1, 5, 3
- **C.** 1, 3, 2, 4, 5
- **D.** 1, 2, 4, 3, 5
- Mohan runs faster than Ram. 15. Shyam runs faster than Mohan. Ram runs faster than Shyam. If the first two statements are true, the third statement is
  - A. true
  - **B**. false
  - C. uncertain
- All the daisies in Suresh's garden are white. All the roses in Suresh's garden are yellow. All the flowers in Suresh's garden are either white or yellow If the first two statements are true, the third statement is
  - A. true
  - B. false
  - C. uncertain

17. Find the number of triangles in the given figure.



- A. 18
- B. 28
- C. 22
- D. 26
- 18. Find the minimum number of straight lines required to make the given figure.



- **A.** 13
- **B.** 15
- C. 11
- **D**. 19
- 19. Identify the figure that completes the following pattern (?).





(1)







- A. ´
- B. 2
- **C.** 3
- D.
- 4

20. Identify the figure that completes the following pattern (?).











(1)

(2)

(3)

(4)

- A. 1
- B. 2
- **C.** 3
- D. 4
- **21.** A motorcar traveled 50 Km in 30 minutes. How many Km per hour was its speed?
  - A. 150
  - B. 80
  - **c.** 100
  - **D**. 60
- 22. When they heard news of the hurricane, Maya and Suraj decided to change their vacation plans. Instead of traveling to the island beach resort, they booked a room at a fancy new spa in the mountains. Their plans were a bit more expensive, but they'd heard wonderful things about the spa and they were relieved to find availability on such short notice.

Find the statement that must be true according to the above information.

- A. Maya and Suraj take beach vacations every year.
- B. The spa is overpriced.
- c. It is usually necessary to book at least six months in advance at the spa.
- D. Maya and Suraj decided to change their vacation plans because of the hurricane.
- 23. Below are given two statements I and II. Read both the statements and decide which of the following answer choice correctly depicts the relationship between these two statements
  - I. The staff of Airport Authorities called off the strike they were observing in protest against privatization.
  - II. The staff of Airport Authorities went on strike anticipating a threat to their jobs.
  - A. Statement I is the cause and statement II is its effect.
  - B. Statement II is the cause and statement I is its effect.
  - C. Both the statements I and II are independent causes.
  - D. Both the statements I and II are effects of independent causes.
  - E. Both the statements I and II are effects of some common cause.

- 24. It has been established that
  - P: Einstein was
  - Q: although a great scientist
  - R: weak in arithmetic
  - S: right from his school days

#### The Proper sequence should be:

- A. SRPQ
- B. QPRS
- C. QPSR
- D. ROPS
- 25. Ink is to pen as bat is to
  - A. Cricket
  - B. Tennis
  - C. Ball
  - D. Pitch
- 26. Entomology is the science that studies
  - **A.** Behavior of human beings
  - **B.** Insects
  - C. The origin and history of technical and scientific terms
  - **D**. The formation of rocks
- 27. For which of the following disciplines is Nobel Prize awarded?
  - A. Physics and Chemistry
  - **B.** Physiology or Medicine
  - **C**. Literature, Peace and Economics
  - **D**. All of the above
- **28.** Which of the following expressions is in the sum-of-products (SOP) form?
  - A. (A + B)(C + D)
  - B. (A)B(CD)
  - C. AB + CD
  - **D.** *AB(CD)*
- 29. yogesh@mu.ac.in is an example of :
  - A. A URL
  - B. An access code
  - C. Email address
  - D. A server

30.	FO	RIRAN IS name of.				
	A. B.	Computer system Programming language				
	С. D.	Software code Database				
31.	If th	e second day of the month	is Sunday th	en the ninth day	will be	
	Α.	Sunday				
	В. С.	Wednesday Thursday				•
	D.	None of the above			• •	
32.	Γhe d	igits 11232578, and 87523. <b>A</b> Amount	211 are the s	ame		
		B Backwards	e.			
		C Number D None Of The Above			,	
33. '	Binaı	y' is associated with	• • • • • • • • • • • • • • • • • • •			
	A.	Logarithm				
	В. С.	Digit Calculator				
	D.	Computer programming				
34.	If the	e sides AB, BC and CA of tr	iangle ABC a	are all unequal,	then the triangle	is
	A.	Scalene triangle	•			
	B.	Isosceles triangle	•	•		
	C. D.	Equilateral triangle Right angle triangle				
35.		saw a of cows in	the field.		<b>\`</b>	
JJ.						
	A. B.	·				
	C.	swarm				
	D				and of	
36.	М	y uncle decided to take	and m	ly sister to the	market.	
	Α			,		
	B C					
	D	1.0				

- 37. Microprocessor in the computer
  - A. stores the data
  - B. displays graphics
  - C. does data processing and calculation
  - D. none of the above
- 38. Which of the following is not an object oriented languages
  - A. C++
  - B. Java
  - C. C#
  - D. Fortran IV
- 39. Frequency is measured in
  - A. Mbps
  - B. Km/s
  - C. Hertz
- 40. LINUX is a:
  - A. Microsoft product
  - B. Programming language
  - C. Free and open source Operating system
  - D. Database
- 41. URL stands for
  - A. Universal Research Locator
  - B. Uniform Resource Locator
  - C. Unlimited Resource Locator
  - D. United Resources limited
- 42. RDBMS is related to
  - A. Hardware
  - B. Programming
  - C. Data bases
  - D. Website
- 43. Tags such as <? and ?> are used while scripting
  - A. HTML
  - B. PHP scripting
  - C. Java code
  - D. None of the above
- 44. CDMA and GSM refer to:
  - A. Programming language
  - B. Free and open source software
  - C. Operating system
  - D. Mobile communications

- **45.** #include <iostream> belongs to the following programming language:
  - A. C++
  - B. Fortran
  - C. Cobol
  - D. Basic
- 46. Blue tooth is used for connecting
  - A. far-off devices
  - B. nearby devices
  - C. none of the above
- 47. Key board of the PC is:
  - A. An accessory
  - B. Portable device
  - C. Peripheral device
- 48. Routers are used for
  - A. Wireless telephony
  - B. Mobile technology
  - C. Connecting different data networks
- 49. Data in the computer is stored and retrieved from the
  - A. Microprocessor
  - B. ROM
  - c. RAM
  - D. Hard disk
- 50. An integer 'n' can be declared in C/C++ as
  - A. integer n;
  - B. int n;
  - **C.** n;
  - D. All of the above



SEAT NO.:

# UNIVERSITY OF MUMBAI GARWARE INSTITUTE OF CAREER EDUCATION & DEVELOPMENT P.G. DIPLOMA IN INFORMATION TECHNOLOGY ENTRANCE EXAM

12-30 pm

DATE: 11/7/2012

TIME: 11.00AM TO 12.00 NOON

MARKS: 50

All 50 questions are compulsory. Each question carries & mark (CONE MARK EACH)

Enter only the choice alphabet for the answer or fill in the blanks.

- 1. Which word from below is a necessary part of the word "harvest"
  - A. Autumn
  - B. Storage
  - C. Tractor
  - D. Crop
- 2. In the first 10 overs of a cricket game, the run rate was only 3.2. What should be the run rate in the remaining 40 overs to reach the target of 282 runs?
  - **A.** 6.25
  - **B.** 6.5
  - **C.** 6.75
  - D. 7
- **3.** The average of 20 numbers is zero. Of them, at the most, how many may be greater than zero?
  - **A.** 0
  - **B.** 1
  - **C.** 10
  - D. 19
- 4. Which number should come next in this series?

10, 17, 26, 37,

- **A**. 46
- **B**. 52
- **C.** 50
- **D.** 56
- 5. Which number should replace the question mark "?"

17	8	5	5
13	7	5	4
6	12	6	3
10	6	4	?

- ۹.
- B.
- C. 6
- D. 7

	C. D.	18 25	*			•	
Ω			d D in 20 days If th	ou work on	it together for 1	days than the form	at of the
٠.	work that i	a work in 15 days an s left is :	y B III 20 days. II th	ey work on	it together for 4	days, then the frac	tion of the
	A. 1/ B. 1/						
	C. 7/ D. 8/	15					
•							
9.	40 years n	aid to his son, "I was low, the son's age fiv	as old as you are a re years back was:	it the prese	nt at the time of	your birth". If the fa	ither's age is
		years	•			•	
	<b>C</b> . 34	years years					
		years					
10.	Some of the	es in the park are flow ne trees in the park a ods in the park are fl	re rosewoods.				
	If the first t	wo statements are tr	ue, the third statem	ent is			
	A. B.	True False					
	C.	Uncertain					
11.	No women	teacher can play. S	ome women teache	ers are athle	etes.		
	If conclusion	ons from the above s	tatements shows I a	and II		1	
		hletes can play. thletes can play.					
	Then which	n of the following is t	ue.				
	A. B. C. D. E.	Only conclusion I for Only conclusion II for II follows Neither I nor II follows Both I and II follows	follows				
12.	Arrang	e the words given be	low in a meaningfu	I sequence.			
	1. Police 4. Judge	2. Punishment 5. Judgement	3. Crime				
	A. B. C. D.	3, 1, 2, 4, 5 1, 2, 4, 3, 5 5, 4, 3, 2, 1 3, 1, 4, 5, 2					

6. If 10 people can do a piece of work in 5 days, working 2 hours a day, how long will 2 people take to do the

7. The cost price of 20 articles is the same as the selling price of x articles. If the profit is 25%,

same work, working 5 hours a day?

8

5

10

12

then the value of x is:

6

15

A

В

C

D

А. В.

- 13. Arrange the following in a logical order:
  - 1. Euphoria 2. Happiness 3. Ambivalence 4. Ecstasy 5. Pleasure
  - A. 4,1,3,2,5
  - B. 3,2,5,1,4
  - C. 2,1,3,4,5
  - D. 1,4,2,5,3
- 14. Arrange the words given below in a meaningful sequence.
  - 1. Family
- 2. Community 3. Member
- 4. Locality
- 5. Country
- A. 3, 1, 2, 4, 5
- **B.** 3, 1, 2, 5, 4
- C. 3, 1, 4, 2, 5
- D. 3, 1, 4, 5, 2
- **15.** Identify the figure that completes the pattern.





1



(1)



(2)



(3)



- Α.
- **B.** 2
- C. 3
- D. 4
- **16.** Below are given two statements I and II. Read both the statements and decide which of the following answer choice correctly depicts the relationship between these two statements.
  - I. Standard of living among the middle class society is constantly going
- up since part of few years.

- II. Indian Economy is observing remarkable growth.
- A. Statement I is the cause and statement II is its effect.
- B. Statement II is the cause and statement I is its effect.
- C. Both the statements I and II are independent causes.
- D. Both the statements I and II are effects of independent causes.
- E. Both the statements I and II are effects of some common cause.
- 17. Below are given two statements I and II. Read both the statements and decide which of the following answer choice correctly depicts the relationship between these two statements.
  - I. A huge truck overturned on the middle of the road last night.
  - II. The police had cordoned of entire area in the locality this morning for half of the day.
  - A. Statement I is the cause and statement II is its effect.
  - B. Statement II is the cause and statement I is its effect.
  - C. Both the statements I and II are independent causes.
  - D. Both the statements I and II are effects of independent causes.
  - E. Both the statements I and II are effects of some common cause.
- 18. A loosely hanging thread is attached to distantly spaced two nails on a board. If a pencil with its point stretches the thread tightly and moves along the x x board all about the nails. The figure drawn on the board will be described by which of the following choices.
  - A. Circle
  - B. Oval
  - C. Ellipse

- 19. The straight line y=mx+1 is a tangent to the parabola  $y^2=4x$ , if .
  - A. m = 1
  - B. m=2
  - C. m = 3
  - D. m = 4
- A man from the top of a 100 metre high tower sees a car moving towards the tower at an angle of depression of 300. After sometimes, the angle of depression becomes 600. The distance (in metres) traveled by the car during this time is
  - A. 100 √3
  - B. 200 / √3
  - C. 100 / √3
  - D. 200 √3
- 21. If the equations of the lines are
  - x + by = 1 (1)
  - $x + y = b \qquad (2)$
  - x + b y = 1 (3)
  - then
    - A. Lines (1) and (3) intersect each other
    - B. Lines (2) and (3) are parallel
    - C. Line (2) intersects lines (1) and (3)
- 22. Three lines are given by the following equations

$$ax + by + c = 0$$

$$a'x + b'y + c' = 0$$

$$a'' x + b'' y + c'' = 0$$

the value of the determinant is as follows

Then the lines are

- A. Parallel
- B. Concurrent
- C. Skew
- **23.** The line y=mx+1 is a tangent to the parabola  $y^2 = 4x$  if
  - $\dot{A}$  m = 1
  - B m = 2
  - C m = 3
  - D m = 4
- **24.** The distance between the lines 4x+3y=11 and 8x+6y=15 is
  - A 7/2
  - B 7/3
  - C 7/5
  - D 7/10
- 25. A car traveled 28 miles in 30 minutes. How many miles per hour was it traveling?
  - A 55
  - B 56
  - C 60
  - D 54

26.A cynic is one who knows the price of everything and the of nothing.  A. Meaning B. Emotion C. Value D. Quality
27.Water is to glass as letter is to  A Pen B Stamp C Envelope D Mail
28. Doctor' is related to 'Stethoscope' in the same way as 'Painter' is related to
Painting B.E. Brush B.F. Exhibition C.S. Art
A. Ugly B. Beautiful C. Tempting D. Weathered
30.If you rearrange the letters "ANLDEGN" you would have the name of  A Baseball Player  B Country  C State  D Actor
31. Find the number of triangles in the given figure.
A. 8 B. 10 C. 12 D. 14
32. Which choice makes the best comparison? LIVED is to DEVIL as 6323 is to
A 2636 B 3623 C 6232 D 3236
33.Which of the following is least like the others?  A. Kangaroo B. Cow C. Horse D. Deer
34. The digits 08232569, and 96523280 are the same  A Amount  B None Of The Above  C Backwards  D Number
<b>35.</b> Fate smiles those who untiringly grapple with stark realities of life.
A. with B. over C. on p. around

36.If the	second day of the month is a Friday, then the 12th day of the month is a	
	A Tuesday	
	B Saturday	
	C Monday D Thursday	
	D Thursday	
37.If Joe	looks in the mirror and touches his left ear with his right hand, the reflection seems to touch i	t's
	A. Right; Left	
	B. Right; Right C. Left; Left	
	D. Left; Right	
<b>38.</b> Marath	on is to race as hibernation is to	
	A. winter	
	B. bear	
	C. dream D. sleep	
	3.00p	
<b>39.</b> You int	eract with the Computer by using	
	A Key board and mouse  B Monitor	
	C Scanner	
	D Printer	
<b>40.</b> The	Arithmetic Legical Hult (ALLI)	
1116	Arithmetic Logical Unit (ALU) is contained in the following parts of the Computer:  A Hard disk	
	B Ram	
	C Microprocessor	
<b>41.</b> The pro	ogramming language used by scientist since a long time to deal with formulae and equations	
,	A BASIC	is:
	B C++	
	C COBOL D FORTRAN	
•		
<b>42.</b> Data is s	stored in the following component of the Computer	
	A Hard disk B RAM	
	C Processor	
]	D Power supply	
43 Internet	Connection to the Owner of the Connection to the	
- January Control	connection to the Computer is obtained by using  Modem	
	3 Telephone machine	
	FAX machine Description	
ı	D Data switch	
44.Bandwid	th is measured in	
	A Km/s	
	3 M/s C Mbps	
45.Android i	s an operating system that runs on	
A	Apple computers	
	Supercomputers Mobile phones	
D	means phonoco	
AC The Lu		
	s RDBMS refers to	
B	Relative Data Business Management System Redundant Data Base Management Services	
C	Relational Data Base Management System	
D	Redundant Data Base Migration System	

- 47.HTML script is used for the following;
  - A Operating system
  - B Programming language

  - C Web pagesD Object oriented Programming
- 48. 'Query' are used in
  - A Programs
  - B Data base
  - C Internet connectivity
  - D Portal
- 49. Which of the following statements should be used to obtain a remainder after dividing 3.14 by 2.1 while programming in C?
  - A. rem = 3.14 % 2.1
  - B. rem = modf(3.14, 2.1)
  - C. rem = fmod(3.14, 2.1)
- 50. Which of the following function prototype is perfectly acceptable in C++?

  - A int Function (int Tmp = Show());
     B float Function (int Tmp = Show(int, float));
     C float = Show (int, float) Function(Tmp);