



Goa Staff Selection Commission

6th Floor, 3rd Lift, SPACES Building, Patto Plaza, Panaji-Goa – 403001.

COMPUTER BASED TEST

Post Name : Technician (Electronics/Physics)

1

Question Description *	आमी पैस पैस पांवलां मारून चलतात तेन्ना घालून चलतात.
A *	चांदो
B *	उडयो
C *	लंगडी
D *	धेंपां
E *	None of the above
Marks *	1
Answer *	d

2	Question Description *	तिणे आदोळेचेर नुस्तें उजरायलें, भाजी शिंदली, आमाडे तासले आनी नाल्लाची सोय
	A *	कापली
	B *	कातली
	C *	चिरली
	D *	कांडली
	E *	None of the above
	Marks *	1
	Answer *	b

3	Question Description *	सूर्य आनी उदय हिं उतरां एकाठांय येतगच आमकां उतर मेळटा.
	A *	सर्वोदया
	B *	सूर्यदा
	C *	सूर्योदय
	D *	सर्वदा
	E *	None of the above
	Marks *	1
	Answer *	c

4	Question Description *	दोन उतरां एकाठांय जावन जाल्ल्या ह्या समासांतली खंयची जोडी सारखी ना.
	A *	तांबडोगुंज
	B *	पांचवोफार
	C *	धवोफुल्ल
	D *	काळोकिट्ट
	E *	None of the above
	Marks *	1
	Answer *	b

5	Question Description *	प्रती आनी एक हिं उतरां एकाठांय येतगच आमकां उतर मेळटा.
	A *	परतेक
	B *	प्रतेक
	C *	परितेक
	D *	प्रत्येक
	E *	None of the above
	Marks *	1
	Answer *	d
6	Question Description *	ओपार पुराय करात ‘शेणिल्लें गोरुं करमळेच्या
	A *	गोठ्यांत
	B *	तळ्यांत
	C *	मळार
	D *	वयेंत
	E *	None of the above
	Marks *	1
	Answer *	b
7	Question Description *	पेज्जेंत आसता तो निवोळ आनी सुंभाक आसता तो
	A *	कुंवोळ
	B *	तीवोळ
	C *	पिवोळ
	D *	धुंवोळ
	E *	None of the above
	Marks *	1
	Answer *	c

8	Question Description *	देव आनी आलय हिं उतरां एकाठांय येवन आमकां उतर मेळटा
	A *	देउळय
	B *	देवालय
	C *	देवळ
	D *	दिवाळी
	E *	None of the above
	Marks *	1
	Answer *	b
9	Question Description *	केळ्यांचो घड जाल्यार आमाड्यांचो
	A *	तुरो
	B *	झेलो
	C *	घोंस
	D *	भोरो
	E *	None of the above
	Marks *	1
	Answer *	c
10	Question Description *	ओपार पुराय करात ‘ मोर नाचता म्हणून कुमातर नाचता आनी हार हुडटा म्हणून हूडटा .
	A *	जळोवणी
	B *	गांयडोळ
	C *	सोरोप
	D *	दिवोड
	E *	None of the above
	Marks *	1
	Answer *	b

11	Question Description *	Choose the part that has an error. <u>For the last four months he is saving money for the project.</u>
	A *	<u>For the last</u>
	B *	<u>four months</u>
	C *	<u>he is saving money</u>
	D *	<u>for the project</u>
	E *	None of the above
	Marks *	1
	Answer *	c

12	Question Description *	Choose the correct option to change the sentence given below to comparative degree. Mr.Rodrigues is the wealthiest man in the town.
	A *	Mr.Rodrigues is more wealthier than any other man in the town.
	B *	Very few men are wealthier than Mr.Rodrigues.
	C *	Mr.Rodrigues is wealthier than any other man in the town.
	D *	No other man is as wealthy as Mr.Rodrigues.
	E *	None of the above
	Marks *	1
	Answer *	c

13	Question Description *	Choose the best way of writing the sentence in the context of the correct usage of standard written English.
	A *	Lata is always meticulous in her work; by contrast Vinda is always careless.
	B *	Lata is always meticulous in her work; on the contrary Vinda is always careless.
	C *	Lata is always meticulous in her work; on contrast Vinda is always careless.
	D *	Lata is always meticulous in her work, on contradictory Vinda is always careless.
	E *	None of the above
	Marks *	1
	Answer *	a

14

Question Description *	Pick out the correct synonym of the word given below: SUCCINT
A *	sufficient
B *	survive
C *	concise
D *	comfortable
E *	None of the above
Marks *	1
Answer *	c

15

Question Description *	Change the voice of the following sentence. No attempts were made to resolve the situation.
A *	They made no attempts to resolve the situation.
B *	They are not making any attempts to resolve the situation.
C *	They have made no attempts to resolve the situation.
D *	They has made no attempts to resolve the situation.
E *	None of the above
Marks *	1
Answer *	a

16

Question Description *	Pick out the correct synonym of the word given below: SPURIOUS
A *	rich
B *	false
C *	generous
D *	obscene
E *	None of the above
Marks *	1
Answer *	b

17	Question Description *	Pick out the correct synonym of the word given below: HEINOUS
	A *	atrocious
	B *	deceitful
	C *	humorous
	D *	indecent
	E *	None of the above
	Marks *	1
	Answer *	a

18	Question Description *	The word similar in meaning to <u>estrangle</u> is_____.
	A *	strange
	B *	punish
	C *	mend
	D *	alienate
	E *	None of the above
	Marks *	1
	Answer *	d

19	Question Description *	Choose the correct alternative to replace the underlined part of the sentence. Had I known that I was going to perform, <u>I will have called you.</u>
	A *	I will have been called you
	B *	I would have called you
	C *	I will had called you
	D *	I would call you
	E *	None of the above
	Marks *	1
	Answer *	b

20

Question Description *	Choose the correct option to match the idiomatic expression: <u>Call spade a spade</u>
A *	To be humiliating
B *	To be frank
C *	To be rude
D *	To be adamant
E *	None of the above
Marks *	1
Answer *	b

21

Question Description *	The temperature of a city on Monday is 17° C.It drops everyday by 2° C.What will be the temperature of the city on Saturday?
A *	7° C
B *	27° C
C *	9° C
D *	5° C
E *	None of the above
Marks *	1
Answer *	a

22

Question Description *	5 Hours= ----- seconds
A *	3000
B *	18000
C *	300
D *	120
E *	None of the above
Marks *	1
Answer *	b

23

Question Description *	The sum of two digits and the number formed by interchanging its digits is 110. If ten is subtracted from the first number, the new number is 4 more than 5 times the sum of the digits in the first number. Then the number is _____
A *	46
B *	48
C *	64
D *	84
E *	None of the above
Marks *	1
Answer *	c

24

Question Description *	Ages of Nisha and her sister are in the ratio 3:2 and the sum of their ages is 60 years .Therefore Nisha's age is ----- years.
A *	36
B *	24
C *	30
D *	20
E *	None of the above
Marks *	1
Answer *	a

25

Question Description *	The value of an article which was purchased 2 years ago, depreciates at 12% per annum. If its present value is Rs. 9680, the price at which it was purchased is _____
A *	RS 10,000
B *	RS 12,500
C *	RS 14,575
D *	RS 16,250
E *	None of the above
Marks *	1
Answer *	b

26

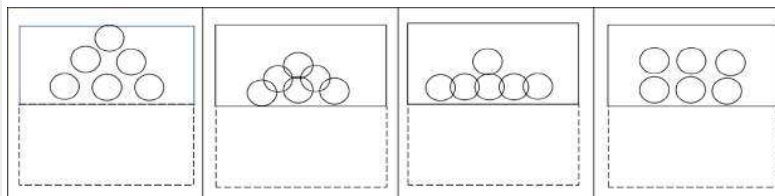
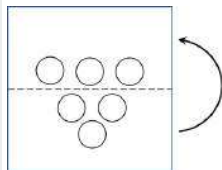
Question Description *	$49785 \times 63 + 3319 \times 15 \times 37$
A *	3136455
B *	4978500
C *	1842045
D *	497580
E *	None of the above
Marks *	1
Answer *	b

27

Question Description *	The number which has no reciprocal is -----
A *	5
B *	3
C *	0
D *	10
E *	None of the above
Marks *	1
Answer *	c

28	Question Description *	What is a single discount equivalent to a series discount of 20%, 10% and 5%?
	A *	81
	B *	31.4
	C *	6. %
	D *	35.00%
	E *	None of the above
	Marks *	1
	Answer *	c
29	Question Description *	In two digit number the digit at units place is $2x$ and the digit at tens place is $2y$ then the two digit number is
	A *	$2(10y + x)$
	B *	$2(10x + y)$
	C *	$10y + x$
	D *	$10x + y$
	E *	None of the above
	Marks *	1
	Answer *	a
30	Question Description *	The missing number in the series 2,6,12,20,---,42 is -----
	A *	32
	B *	26
	C *	40
	D *	30
	E *	None of the above
	Marks *	1
	Answer *	d

Find out from amongst the four alternatives labelled A, B, C and D as to how the pattern would appear when the transparent sheet is folded at the dotted line.



A

B

C

D

A *

A

B *

B

C *

C

D *

D

E *

None of the above

Marks *

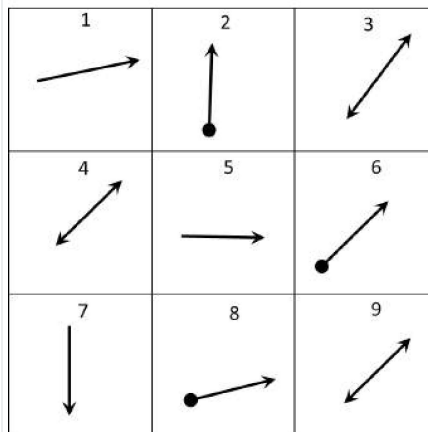
1

Answer *

c

Question Description *

Given below is set of figures that are numbered from 1 to 9. Classify the figures into 3 groups with similar properties and choose the correct option.



A *

(1,2,3), (5,7,9), (4,6,8)

B *

(1,5,9), (3,4,6), (2,7,8)

C *

(1,5,7), (2,6,8), (3,4,9)

D *

(2,5,8), (1,4,6), (3,7,9)

E *

None of the above

Marks *

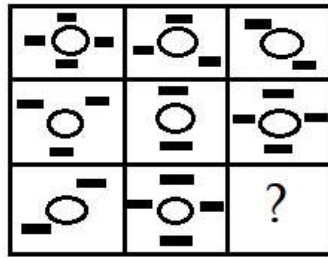
1

Answer *

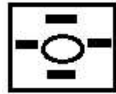
c

Question Description *

Select a suitable figure from the alternatives that would complete the figure matrix.



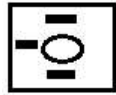
A *



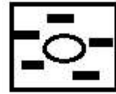
B *



C *



D *



E *

None of the above

Marks *

1

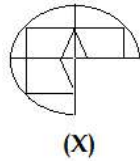
Answer *

c

34

Question Description *

Choose the alternative which when placed in the blank space of Figure (X) would complete the pattern.



A *



B *



C *



D *



E *

None of the above

Marks *

1

Answer *

a

35

Question Description *

In a row if Ram is 3rd to the right of Shyam who is 6th from right end. What is the rank of Ram from the right side of the row?

A *

3rd

B *

5th

C *

2nd

D *

4th

E *

None of the above

Marks *

1

Answer *

a

36

Question Description *	<p>There is a certain relation between two given words on one side of : : and one word is given on another side of : : while another word is to be found from the given alternatives, having the same relation with this word as the given pair has.</p> <p>Select the best alternatives.</p> <p>Length : Metre :: Volume : ?</p>
A *	Litre
B *	Kilogram
C *	Hectare
D *	Volt
E *	None of the above
Marks *	1
Answer *	a

37

Question Description *	<p>Pointing to a man, Richa said his mother is the only daughter of my mother. How is Richa related to the man?</p>
A *	Mother
B *	Daughter
C *	Sister
D *	Aunt
E *	None of the above
Marks *	1
Answer *	a

38

Question Description *

Given below are codes for a few alphabets and based on the coding answer the following questions.

Alphabets	P	T	A	M	E	Q	S
Symbol	^	*	\$!	<	>	@

How will the word "PASTE" be written in the above language?

A *

^\$@*<

B *

^!\$@<

C *

^\$@<*

D *

!\$@*<

E *

None of the above

Marks *

1

Answer *

a

39

Question Description *

What should come in place of question mark (?) in the following number series?

1, 6, 13, 22, 33, ?

A *

44

B *

45

C *

46

D *

47

E *

None of the above

Marks *

1

Answer *

c

40

Question Description *

What should come in place of question mark (?) in the following number series?

4, 10, ? , 82, 244, 730

A *

24

B *

28

C *

77

D *

218

E *

None of the above

Marks *

1

Answer *

b

41

Question Description *	Lamp efficiency is measured in
A *	Lumen/Watt
B *	Lumen/Lux
C *	Candela/Watt
D *	Lux/Watt
E *	None of the above
Marks *	1
Answer *	a

42

Question Description *	In an inverse definite minimum time electromagnetic type over current relay, the minimum time feature is achieved because of
A *	Saturation of magnetic circuit
B *	Proper mechanical design
C *	Appropriate time delay element
D *	Electromagnetic damping
E *	None of the above
Marks *	1
Answer *	a

43

Question Description *	Direction of rotation of a split phase motor can be reversed by reversing the connection of
A *	Running winding only
B *	Starting winding only
C *	Either Running winding or starting winding
D *	Both running winding and starting winding
E *	None of the above
Marks *	1
Answer *	c

44

Question Description *	What is the type of cell used for building a laptop battery pack
A *	Nickel cadmium
B *	Lithium ion
C *	Zinc Silver oxide
D *	Lead acid
E *	None of the above
Marks *	1
Answer *	b

45

Question Description *	How many earth connections are required for the motor as per IE rule 61?
A *	One
B *	Two separate and distinct
C *	Three separate and distinct
D *	All of the above
E *	None of the above
Marks *	1
Answer *	b

46

Question Description *	In a overcurrent protection the setting of the earth fault relay is
A *	More than the phase fault relay
B *	Equal to phase fault relay
C *	Less than phase fault relay
D *	The two settings are unrelated to each other
E *	None of the above
Marks *	1
Answer *	c

47	Question Description *	In case if the air gap in an induction motor is increased then
	A *	The magnetizing current of the rotor will decrease
	B *	Power factor will decrease
	C *	Speed of motor will increase
	D *	The windage losses will increase
	E *	None of the above
	Marks *	1
	Answer *	b
48	Question Description *	Which of the following machines has a heavy fluctuations of load?
	A *	Printing machine
	B *	Punching machine
	C *	Planer
	D *	Lathe
	E *	None of the above
	Marks *	1
	Answer *	b
49	Question Description *	If the percentage impedance of the transformers working in parallel are different, then
	A *	Transformer will be overheated
	B *	Power factor of both the transformers will be same
	C *	Parallel operation will not be possible
	D *	Parallel operation will still be possible but the power factors at which the two transformers operate will be different from the power factor of the common load
	E *	None of the above
	Marks *	1
	Answer *	d

50	Question Description *	A moderator in nuclear power plant is a medium introduced into the fuel mass in order to
	A *	Control the reaction
	B *	Reduce the temperature
	C *	Extract heat from nuclear reaction
	D *	Slow down the speed of fast moving neutrons
	E *	None of the above
	Marks *	1
	Answer *	d
51	Question Description *	What is the main function of a function generator in electronics?
	A *	Generate waveforms
	B *	Measure frequency
	C *	Measure capacitance
	D *	Generate light output
	E *	None of the above
	Marks *	1
	Answer *	a
52	Question Description *	Thyristor commutation circuits are
	A *	Used for turning OFF the thyristor
	B *	Used for controlling the gate circuit
	C *	Used for stabilizing gate circuit
	D *	Used for protecting thyristors
	E *	None of the above
	Marks *	1
	Answer *	a

53

Question Description *	For measuring angular displacement which transducer is commonly used?
A *	Potentiometer
B *	Accelerometer
C *	Gyroscopic transducer
D *	Strain gauge
E *	None of the above
Marks *	1
Answer *	a

54

Question Description *	What is the basic building block of digital circuits used to store binary information?
A *	Transistor
B *	Capacitor
C *	Resistor
D *	Flip flop
E *	None of the above
Marks *	1
Answer *	d

55	Question Description *	Vertical amplifier in CRO primarily amplifies_____
	A *	Time
	B *	Voltage
	C *	frequency
	D *	current
	E *	None of the above
	Marks *	1
	Answer *	b
56	Question Description *	The circuit used for parallel to serial conversion of data is
	A *	Decoder
	B *	Multivibrator
	C *	Multiplexer
	D *	Demultiplexer
	E *	None of the above
	Marks *	1
	Answer *	c
57	Question Description *	When a normal atom loses an electron, it becomes
	A *	A positive ion
	B *	A negative ion
	C *	Electrically neutral
	D *	Free atom
	E *	None of the above
	Marks *	1
	Answer *	a

58

Question Description *	The number of SCRs used in single phase full wave-controlled bridge circuits are _____
A *	Four SCRs
B *	Two SCRs
C *	Six SCRs
D *	Eight SCRs
E *	None of the above
Marks *	1
Answer *	a

59

Question Description *	The maximum theoretical efficiency of a full-wave rectifier is_
A *	78,5%
B *	81.2%
C *	90.2%
D *	40.6%
E *	None of the above
Marks *	1
Answer *	b

60

Question Description *	When transistor is used as a switch its operation is confined in
A *	Cut off region
B *	Active region
C *	Saturation region
D *	Both cut off and saturation region
E *	None of the above
Marks *	1
Answer *	d