



Goa Staff Selection Commission

6th Floor 3rd lift SPACES BUILDING 403001

Computer Based Test

Post Name : Station Operator,Electrician,Lineman/Wireman,Meter
Reader,Assistant Electrician,Assistant Light Operator And Helper (Electrician)

Question Description	_____ my grandfather is eighty years old but he is very active. (Choose the correct alternative)
A	though
B	although
C	because
D	since
E	None of the above
Correct Answer	E
Marks	1

Question Description	The company was pleased _____ your thank you letter. (Choose the correct verb form to fill in the blanks)
A	received
B	receiving
C	to receive
D	to have been receiving.
E	None of the above
Correct Answer	C
Marks	1

Question Description	Fill in the blank: I want to _____ all my childhood toys.
A	sale
B	sell
C	sail
D	sold
E	None of the above
Correct Answer	B
Marks	1

Question Description	Complete the sentence with the correct preposition: He was accused _____ theft by his employer.
A	about
B	of
C	for
D	with
E	None of the above
Correct Answer	B
Marks	1

Question Description	Fill in the blank: I would have come _____ there was no bus available.
A	and
B	but
C	when
D	after
E	None of the above
Correct Answer	B
Marks	1

Question Description	Choose the correct alternative which best expresses the meaning of the given idiom/phrase A reasonable proposal will not be <u>turned down</u> .
A	considered
B	rejected
C	accepted
D	Agreed to
E	None of the above
Correct Answer	B
Marks	1

Question Description	The Idiom “as busy as a bee” means
A	to make honey.
B	Bee-keeping.
C	very busy.
D	not at all busy.
E	None of the above
Correct Answer	C
Marks	1

Question Description	Choose the correct sentence that combines the following sentences into one: She had practiced enough. She decided to play.
A	She decided to play after having practiced enough.
B	She had practiced enough so she decided to play.
C	Having practiced enough, she decided to play.
D	She decided to play because she had practiced enough.
E	None of the above
Correct Answer	C
Marks	1

Question Description	Read the paragraph and answer the question below: Sleep plays a critical role in maintaining overall health. It supports brain function, physical recovery, and emotional stability, making it a cornerstone of well being. Which of the following best reflects the central idea of the passage?
A	Sleep is primarily important for physical recovery after strenuous activity
B	Emotional stability is the most critical benefit derived from sleep
C	Sleep is fundamental to multiple aspects of health and well-being
D	Brain function depends entirely on sleep patterns
E	None of the above
Correct Answer	C
Marks	1

Question Description	Read the paragraph given and answer the question below: The rapid development of technology has transformed the way we live. From communication to healthcare, advancements have improved efficiency and accessibility. However, the overdependence on technology has also raised concerns about privacy and mental health. What is the main idea of the passage?
A	Technology is harmful to society
B	Technology has improved healthcare alone
C	Privacy issues are an only outcome of technology
D	Technology has benefits but also drawbacks
E	None of the above
Correct Answer	D
Marks	1

Question Description	Out of $\frac{5}{9}$, $\frac{11}{18}$, $\frac{13}{24}$ and $\frac{17}{36}$, the fraction with greatest value is -----.
A	$\frac{5}{9}$
B	$\frac{13}{24}$
C	$\frac{17}{36}$
D	$\frac{11}{18}$
E	None of the above
Correct Answer	D
Marks	1

Question Description	A television set was sold at a gain of 15%, had it been sold for Rs 375 more, the gain would have been 20%. The cost price of television set is Rs -----.
A	7500
B	6500
C	6000
D	8000
E	None of the above
Correct Answer	A
Marks	1

Question Description	An athlete covers a distance of 1200 meters in 4 minutes and 48 seconds. His speed in kilometer per hour is -----.
A	10
B	12
C	18
D	15
E	None of the above
Correct Answer	D
Marks	1

Question Description	Which of the following number is divisible by 6.
A	8555
B	8503
C	8532
D	8536
E	None of the above
Correct Answer	C
Marks	1

Question Description	The least number must be added to 2945 to make it a perfect square is -----.
A	70
B	29
C	45
D	80
E	None of the above
Correct Answer	D
Marks	1

Question Description

Find the missing character in the figure?

B2	C4	D6
K3	L6	M9
?	X8	Y12

A

W4

B

V4

C

M3

D

V6

E

None of the above

Correct Answer

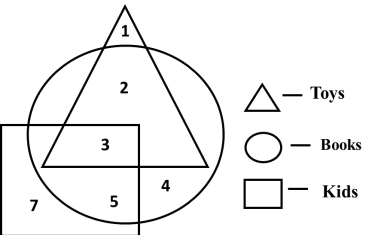
A

Marks

1

Question Description

Study the following diagram and identify the number of kids who read books as well as play with toys?



A

4

B

3

C

7

D

5

E

None of the above

Correct Answer

B

Marks

1

Question Description	In the question given below three pairs bears a certain common relationship. Choose the pair in which words are closely related
A	Shopkeeper: Customer
B	Doctor: Patient
C	Lawyer: Client
D	Clerk: File
E	None of the above
Correct Answer	D
Marks	1

Question Description	As 'Design' is related to a 'structure', 'Rhythm' is related to
A	Music
B	Art
C	Kathak
D	Dance
E	None of the above
Correct Answer	A
Marks	1

Question Description	If letters of the word 'PERMUTATION' are arranged alphabetically then which letter would be farthest from the first letter of the word?
A	O
B	N
C	R
D	U
E	None of the above
Correct Answer	D
Marks	1

Question Description	In a resistor the first three bands from left to right have colour yellow, violet and red. What is the value of the resistor in Ω
A	6700
B	540
C	5200
D	4700
E	None of the above
Correct Answer	D
Marks	1

Question Description	Disadvantages of low power factor is
A	Larger copper losses
B	Poor voltage regulation
C	Large KVA rating of equipment
D	All of the above
E	None of the above
Correct Answer	D
Marks	1

Question Description	If the current and voltage in a single phase AC circuit are out of phase by 90 degree then the power is
A	Minimum
B	Maximum
C	Zero
D	1.1 VI
E	None of the above
Correct Answer	C
Marks	1

Question Description	In speed control of DC motors, armature voltage control and field current control are used to obtain speeds _____ base speed and _____ base speed respectively
A	Below, above
B	Below, below
C	Above, above
D	Above, below
E	None of the above
Correct Answer	A
Marks	1

Question Description	In a transformer for a given applied voltage, losses which remain constant irrespective of load changes are
A	Friction and windage losses
B	Copper losses
C	Hysterisis and eddy current losses
D	All of the above
E	None of the above
Correct Answer	C
Marks	1

Question Description	Which of the following is a non renewable source of energy
A	Wind
B	Fossil fuels
C	Solar
D	All of the above
E	None of the above
Correct Answer	B
Marks	1

Question Description	State which of the following statement is correct for synchronous motor
A	Not self-starting motor
B	Operates at constant speed
C	Operates at wide range of power factor
D	All of the above
E	None of the above
Correct Answer	D
Marks	1

Question Description	As per IE rules the permissible variation of voltage at the consumer end is
A	+/- 12 %
B	+/- 2 %
C	+/- 6 %
D	+/- 10 %
E	None of the above
Correct Answer	C
Marks	1

Question Description	EMF generated in alternator depends on
A	Frequency
B	Flux per pole
C	Coil span factor
D	All of above
E	None of the above
Correct Answer	D
Marks	1

Question Description	_____ is used for extension of range of AC Ammeter
A	Current transformer
B	Potential transformer
C	Auto transformer
D	All of the above
E	None of the above
Correct Answer	A
Marks	1

Question Description	Which of the following motor is used in household refrigerator
A	Synchronous motor
B	DC shunt motor
C	3 phase Induction motor
D	Single phase Induction motor
E	None of the above
Correct Answer	D
Marks	1

Question Description	Which of the following method is used for reducing earth resistance
A	Pouring water
B	Adding sand and charcoal
C	Digging earth electrode at depth
D	All of the above
E	None of the above
Correct Answer	D
Marks	1

Question Description	Which of the following losses are absent in block rotor test on motor
A	Friction and windage loss
B	Iron loss
C	Copper loss
D	All of the above
E	None of the above
Correct Answer	A
Marks	1

Question Description	In case of components of hydropower plant water is taken to the water turbine through a huge steel pipe from the valve house known as
A	Surge Tank
B	Penstock
C	Spill way
D	Draft tube
E	None of the above
Correct Answer	B
Marks	1

Question Description	One of the method to make a single phase induction motor self starting is to employ a single capacitor for starting the motor. This capacitor is connected in series with
A	Compensating winding
B	Rotor winding
C	Main winding
D	Auxiliary winding
E	None of the above
Correct Answer	D
Marks	1

Question Description	The highest rating of triple pole with neutral MCB available in the local market is
A	126A
B	252A
C	189 A
D	63A
E	None of the above
Correct Answer	D
Marks	1

Question Description	Transformer core is laminated to reduce
A	Copper loss
B	Mechanical loss
C	Eddy current loss
D	Hysterisis loss
E	None of the above
Correct Answer	C
Marks	1

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
Correct Answer	B
Marks	1

Question Description	What is the standard size of GI earth wire in domestic installation
A	8 SWG
B	10 SWG
C	12 SWG
D	14 SWG
E	None of the above
Correct Answer	D
Marks	Question marked as Invalid

Question Description	Which of the following material has the highest electrical conductivity
A	Steel
B	Silver
C	Aluminium
D	Lead
E	None of the above
Correct Answer	B
Marks	1

Question Description	In case if the air gap in an induction motor is increased then
A	Magnetizing current will decrease
B	Power factor will decrease
C	Power factor will increase
D	All of the above
E	None of the above
Correct Answer	B
Marks	1

Question Description	Under normal condition contacts of circuit breakers remains _____ and contacts of relay remains _____
A	Closed, open
B	Open, closed
C	Open, open
D	Close, close
E	None of the above
Correct Answer	A
Marks	1

Question Description	Device used for auto cut off from supply in electric iron is
A	Thermostat
B	Overload relay
C	Time delay switch
D	All of the above
E	None of the above
Correct Answer	A
Marks	1

Question Description	Three capacitors of 1 F, 2 F and 10 F are connected in parallel, calculate the total capacitance.
A	6.2 F
B	1.3 F
C	0.62 F
D	13 F
E	None of the above
Correct Answer	D
Marks	1

Question Description	Number of poles of a three phase induction motor running at 1000 rpm with 50 Hz supply is
A	4
B	8
C	6
D	2
E	None of the above
Correct Answer	C
Marks	1

Question Description	In a measuring instrument _____ prevent oscillation of the pointer at final deflection position.
A	Deflection torque
B	Control torque
C	Damping torque
D	All of the above
E	None of the above
Correct Answer	C
Marks	1

Question Description	According to BIS the panel board and meter board are to be kept at a height of _____ meters
A	1.2
B	1.8
C	2.5
D	1.5
E	None of the above
Correct Answer	D
Marks	1

Question Description	Rotor resistance method of speed control is used for
A	Squirrel cage induction motor
B	Slip ring induction motor
C	Synchronous motor
D	All of the above
E	None of the above
Correct Answer	B
Marks	1

Question Description	Trip coil of circuit breakers is energized by
A	DC Voltage
B	AC Voltage
C	Zero Voltage
D	All of the above
E	None of the above
Correct Answer	A
Marks	1

Question Description	Which of the following motor is used in the domestic mixers
A	Repulsion motor
B	Reluctance motor
C	Hysteresis motor
D	Universal motor
E	None of the above
Correct Answer	D
Marks	1

Question Description	For measurement of very high value resistance we should use
A	Kelvin double bridge
B	Wheat stone bridge
C	Megger
D	All of the above
E	None of the above
Correct Answer	C
Marks	1

Question Description	10 Hours use of 500 watt lamp will consume _____ of energy
A	10 units
B	0.5 units
C	50 units
D	5 units
E	None of the above
Correct Answer	D
Marks	1

Question Description	The line which connects a distributor to substation is called _____
A	Line
B	Service main
C	Feeder
D	Distributor
E	None of the above
Correct Answer	C
Marks	1

Question Description	A Three phase, four wire system supplies power to a balance star connected load. The current in each phase is 20 A. The current in the neutral wire will be _____.
A	20 A
B	60 A
C	0 A
D	40 A
E	None of the above
Correct Answer	C
Marks	1

Question Description	_____ protect cables against mechanical damage
A	Bedding
B	Sheath
C	Conductor
D	Armouring
E	None of the above
Correct Answer	D
Marks	1

Question Description	A 2 KW water heater operates for 6 hours per day if the cost of each unit is Rs. 2 then what is total bill for one month consisting of 30 days.
A	Rs. 1000
B	Rs. 720
C	Rs. 840
D	Rs. 1140
E	None of the above
Correct Answer	B
Marks	1

Question Description	The value of resistor is _____ Ω for the first 3 colour bands from left to right of yellow, brown, brown
A	410 Ω
B	41 Ω
C	4100 Ω
D	4.1 Ω
E	None of the above
Correct Answer	A
Marks	1

Question Description	In a three phase power measurement by two wattmeter method the reading of one of the wattmeter is zero, then the power factor of the load must be
A	Unity
B	0.5
C	0.8
D	Zero
E	None of the above
Correct Answer	B
Marks	1

Question Description	The motor which is most suitable for the traction work is
A	DC series motor
B	DC shunt motor
C	Three phase squirrel cage induction motor
D	All of the above
E	None of the above
Correct Answer	A
Marks	1

Question Description	Which of the following methods are used for improving earth resistance?
A	Installation of parallel earthing electrodes
B	By pouring water
C	By adding salt and Charcoal
D	All of the above
E	None of the above
Correct Answer	D
Marks	1