

Question paper of Project Assistant (Civil)

Cochin Shipyard Limited

Notations :

- Options shown in **green** color and with  icon are correct.
- Options shown in **red** color and with  icon are incorrect.

Question Paper Name :

Online Test for the post of Project Assistant
Civil 7th November 2024 Shift 2

Subject Name :

Online Test for the post of Project Assistant
Civil

Creation Date :

2024-11-07 15:23:56

Duration :

135

Total Marks :

100

Display Marks:

No

Share Answer Key With Delivery Engine :

No

Change Font Color :

No

Change Background Color :

No

Change Theme :

No

Help Button :

No

Show Reports :

No

Show Progress Bar :

No

General

Group Number :

1

Group Id :

31808921

Group Maximum Duration :

34

Group Minimum Duration :

34

Show Attended Group? :

No

Edit Attended Group? :

No

Break time :

0

Group Marks :

30

General

Section Id :

31808921

Section Number :

1

Section type :

Online

Mandatory or Optional :

Mandatory

Number of Questions :	30
Number of Questions to be attempted :	30
Section Marks :	30
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	31808921
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 318089501 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following is true?

Options :

1. ✘ All unwritten contracts are agreements
2. ✘ All agreements are contracts
3. ✓ Only legally enforceable agreements are contracts
4. ✘ Only written agreements are contracts

Question Number : 2 Question Id : 318089502 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Article 44 of the Indian Constitution provides for

Options :

1. ✓ Uniform Civil Code for citizens
2. ✘ Right to property
3. ✘ Fundamental duties
4. ✘ Organisation of village panchayats

Question Number : 3 Question Id : 318089503 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Winner of 2022 FIFA World Cup held at Qatar

Options :

1. ✘ France
2. ✓ Argentina
3. ✘ Portugal
4. ✘ Brazil

Question Number : 4 Question Id : 318089504 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Cochin Shipyard Limited comes under

Options :

1. ✘ Ministry of Commerce and Industry

- 2. ❌ Ministry of Defence
- 3. ✓ Ministry of Ports, Shipping and Waterways
- 4. ❌ Ministry of Heavy Industry and Public Enterprises

Question Number : 5 Question Id : 318089505 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which river of India is called Vridha Ganga?

Options :

- 1. ❌ Krishna
- 2. ✓ Godavari
- 3. ❌ Kaveri
- 4. ❌ Narmada

Question Number : 6 Question Id : 318089506 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

"Fire" is related to "Ashes" in the same way "Explosion" is related to

Options :

- 1. ❌ Sound
- 2. ✓ Debris
- 3. ❌ Explosive
- 4. ❌ Flame

Question Number : 7 Question Id : 318089507 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Choose the word which is least like other words

Options :

- 1. ❌ Wheat
- 2. ✓ Sugar
- 3. ❌ Rice
- 4. ❌ Maize

Question Number : 8 Question Id : 318089508 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

In certain code HIMACHAL is coded as JKOC EJCN. How ORISSA is coded?

Options :

- 1. ❌ QTKUVC
- 2. ❌ TKUPC
- 3. ✓ QTKUUC
- 4. ❌ QTKUUB

Question Number : 9 Question Id : 318089509 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Choose the odd one out.

Options :

1. ❌ Dollar
2. ❌ Euro
3. ❌ Peso
4. ✓ Ounce

Question Number : 10 Question Id : 318089510 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Pointing to a boy in the photograph, Monika said, "His sister is the only daughter of my father". How is the boy related to Monika's father?

Options :

1. ❌ Nephew
2. ❌ Son in law
3. ✓ Son
4. ❌ Brother

Question Number : 11 Question Id : 318089511 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

12 buckets of water fill a tank when the capacity of each bucket is 13.5 litres. How many buckets will be needed to fill the same tank, if the capacity of each bucket is 9 litres?

Options :

1. ❌ 15
2. ✓ 18
3. ❌ 11
4. ❌ 13

Question Number : 12 Question Id : 318089512 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Value of 102×98 is:

Options :

1. ❌ 9786
2. ❌ 9896
3. ❌ 9986
4. ✓ 9996

Question Number : 13 Question Id : 318089513 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

How many prime numbers are less than 30?

Options :

1. ✗ 8
2. ✓ 10
3. ✗ 12
4. ✗ 14

Question Number : 14 Question Id : 318089514 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The total weight of 45 boxes loaded in a truck was 1000 kgs. 3 over sized boxes weighing 51 kg, 54 kg and 55 kg were removed from the truck. Find the average weight of the remaining boxes

Options :

1. ✗ 18 kg
2. ✓ 20 kg
3. ✗ 27 kg
4. ✗ 46 kg

Question Number : 15 Question Id : 318089515 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Raju & Tom together can do a work in 10 days. Tom & Appu together can do it in 12 days. Appu & Raju together can do it in 15 days. In how many days will they finish it if all the three work together?

Options :

1. ✓ 8 days
2. ✗ 4 days
3. ✗ 4.5 days
4. ✗ 9.5 days

Question Number : 16 Question Id : 318089516 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The ratio between the speed of a boat upstream and downstream is 3 : 5. What is the speed of the boat in still water, if it covers 120 kms downstream in 8 hours?

Options :

1. ✗ 10 km/hr
2. ✓ 12 km/hr
3. ✗ 15 km/hr
4. ✗ 20 km/hr

Question Number : 17 Question Id : 318089517 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

When 15 persons present in a conference shake hands with one another, how many handshakes will be there in total?

Options :

1. ✗ 15
2. ✓ 105
3. ✗ 30
4. ✗ 210

Question Number : 18 Question Id : 318089518 Question Type : MCQ Option Shuffling : Yes**Correct Marks : 1 Wrong Marks : 0**

Area of the largest triangle that can be inscribed in a semicircle of radius 2 cm is

Options :

1. ✗ 2 sqcm
2. ✗ 3 sqcm
3. ✓ 4 sqcm
4. ✗ 5 sqcm

Question Number : 19 Question Id : 318089519 Question Type : MCQ Option Shuffling : Yes**Correct Marks : 1 Wrong Marks : 0**

The ratio between the ages of Appu and Ryan at present is 3 : 4. Five years ago the ratio of their ages was 2 : 3. What is the present age of Appu ?

Options :

1. ✓ 15 years
2. ✗ 20 years
3. ✗ 12 years
4. ✗ 30 years

Question Number : 20 Question Id : 318089520 Question Type : MCQ Option Shuffling : Yes**Correct Marks : 1 Wrong Marks : 0**

A perfect square can never have the following digit at ones place

Options :

1. ✗ 1
2. ✗ 6
3. ✗ 5
4. ✓ 3

Question Number : 21 Question Id : 318089521 Question Type : MCQ Option Shuffling : Yes**Correct Marks : 1 Wrong Marks : 0**

Fill in the blanks by choosing one of the available options using grammatical principles and logical

reasoning.

"The family sat down _____ and enjoyed dinner."

Options :

1. ✗ Around
2. ✓ Together
3. ✗ Collectively
4. ✗ Again

Question Number : 22 Question Id : 318089522 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Choose the option with the word having a meaning opposite to "Judicious"

Options :

1. ✗ Legislative
2. ✗ Lawyer
3. ✗ Tricked
4. ✓ Reckless

Question Number : 23 Question Id : 318089523 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

You shall select the appropriate option which is in line with the relation from the given list using the meaning of the words and logical deduction.

Ships : Dockyard

Options :

1. ✓ Aircrafts : Hanger
2. ✗ Trucks : Station
3. ✗ Cars : Street
4. ✗ Cycles : Barn

Question Number : 24 Question Id : 318089524 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Choose the one word substitution for "A baby"

Options :

1. ✗ Toddler
2. ✓ Infant
3. ✗ Kid
4. ✗ Preschooler

Question Number : 25 Question Id : 318089525 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Identify the type of sentence "How strange she looks ! "

Options :

1. ❌ Interrogative sentence
2. ❌ Declarative sentence
3. ❌ Imperative sentence
4. ✓ Exclamatory sentence

Question Number : 26 Question Id : 318089526 Question Type : MCQ Option Shuffling : Yes**Correct Marks : 1 Wrong Marks : 0**

Although Epsom and Ewell are _____ populated, more than two-fifths of the borough is _____ as a green belt.

Options :

1. ❌ courageously, alarmed
2. ✓ densely, designated
3. ❌ brightly, terrified
4. ❌ morosely, spirited

Question Number : 27 Question Id : 318089527 Question Type : MCQ Option Shuffling : Yes**Correct Marks : 1 Wrong Marks : 0**

Antonym for Deceptive

Options :

1. ❌ Misleading
2. ❌ Fallacious
3. ❌ Deceiving
4. ✓ Straightforward

Question Number : 28 Question Id : 318089528 Question Type : MCQ Option Shuffling : Yes**Correct Marks : 1 Wrong Marks : 0**

The doctor gave me a prescription ___ my cough

Options :

1. ✓ for
2. ❌ with
3. ❌ at
4. ❌ to

Question Number : 29 Question Id : 318089529 Question Type : MCQ Option Shuffling : Yes**Correct Marks : 1 Wrong Marks : 0**

My grandmother is eighty-five, but she _____ still read and write without glasses.

Options :

1. ✘ Will
2. ✘ Could
3. ✓ Can
4. ✘ Shall

Question Number : 30 Question Id : 318089530 Question Type : MCQ Option Shuffling : Yes**Correct Marks : 1 Wrong Marks : 0**

Synonym of STUMBLING BLOCK

Options :

1. ✘ Argument
2. ✘ Burst
3. ✘ Fallout
4. ✓ Hurdle

Discipline related

Group Number :	2
Group Id :	31808922
Group Maximum Duration :	56
Group Minimum Duration :	56
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	50

Discipline related

Section Id :	31808922
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	50
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	31808922
Question Shuffling Allowed :	Yes

Question Number : 31 Question Id : 318089531 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Youngs modulus of elasticity for a perfectly rigid body is

Options :

1. ✘ Zero
2. ✓ Infinity
3. ✘ Unity
4. ✘ Negative

Question Number : 32 Question Id : 318089532 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

A shaft of diameter d and length l has been loaded axially. The ratio of change in diameter to the original is known as

Options :

1. ✘ longitudinal strain
2. ✘ shear strain
3. ✘ volumetric strain
4. ✓ lateral strain

Question Number : 33 Question Id : 318089533 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Chainage is the distance measured

Options :

1. ✓ along a chain line
2. ✘ perpendicular to a chain line
3. ✘ perpendicular to a tie line
4. ✘ none of the options

Question Number : 34 Question Id : 318089534 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

A beam supported on both ends and restrained from rotation is called

Options :

1. ✓ Fixed beam
2. ✘ Simply supported beam
3. ✘ Cantilever beam
4. ✘ None of the options

Question Number : 35 Question Id : 318089535 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Modulus of Rupture of concrete gives

Options :

1. ✗ workability of the concrete
2. ✓ tensile strength of the concrete under bending
3. ✗ direct compressive strength of the concrete
4. ✗ characteristic strength of the concrete

Question Number : 36 Question Id : 318089536 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The installations fitted on Quays, dock mouths etc. to protect them from damage from collisions of ships are called

Options :

1. ✗ Bollards
2. ✗ Capstans
3. ✓ Fenders
4. ✗ Winches

Question Number : 37 Question Id : 318089537 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Transition Curves are provided on the approach to horizontal curves in order to

Options :

1. ✗ increase jerk to allowable levels
2. ✓ reduce jerk to allowable levels
3. ✗ minimize the length of horizontal curve
4. ✗ simplify the layout & construction of curve

Question Number : 38 Question Id : 318089538 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The load transfer to lower layers in flexible pavement is by

Options :

1. ✗ consolidation of sub grade
2. ✗ shear deformation
3. ✓ grain to grain contact
4. ✗ bending action of layers

Question Number : 39 Question Id : 318089539 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The usable floor area excluding staircases, lift wells, escalators, ducts, toilets etc. is called

Options :

1. ✗ floor area
2. ✗ built-up area
3. ✗ circulation area
4. ✓ carpet area

Question Number : 40 Question Id : 318089540 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

If Shear Force at a section of beam under bending is equal to zero, then the bending moment at the section is

Options :

1. ✗ zero
2. ✗ maximum
3. ✗ minimum
4. ✓ constant

Question Number : 41 Question Id : 318089541 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

For laying bituminous carpet over water bound macadam road surface, one has to apply a

Options :

1. ✓ tack coat
2. ✗ seal coat
3. ✗ bitumen grout
4. ✗ slurry coat

Question Number : 42 Question Id : 318089542 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Closed contours with higher value inside represents a

Options :

1. ✗ plain surface
2. ✗ depression
3. ✓ hill
4. ✗ none of the options

Question Number : 43 Question Id : 318089543 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Camber on highway pavement is provided to take care of

Options :

1. ✗ Centrifugal force
2. ✓ Drainage

- 3. ❌ Sight distance
- 4. ❌ Off-tracking

Question Number : 44 Question Id : 318089544 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The gradual reduction in value with age of a property is called

Options :

- 1. ✓ depreciation
- 2. ❌ appreciation
- 3. ❌ devaluation
- 4. ❌ revaluation

Question Number : 45 Question Id : 318089545 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The rail gauge is the distance between

Options :

- 1. ❌ outer faces of wheels
- 2. ✓ running faces of wheels
- 3. ❌ centre to centre of wheels
- 4. ❌ none of the options

Question Number : 46 Question Id : 318089546 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Coning of wheels is provided

Options :

- 1. ❌ to check the lateral movement of wheels
- 2. ❌ to avoid damage to inner faces of wheels
- 3. ❌ to avoid discomfort to passengers
- 4. ✓ all of the options

Question Number : 47 Question Id : 318089547 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Well foundation are commonly used as foundation for the following structures:

Options :

- 1. ❌ Water Tanks
- 2. ✓ Bridges
- 3. ❌ Buildings
- 4. ❌ Reciprocating machines

Question Number : 48 Question Id : 318089548 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Sand stone is

Options :

1. sedimentary rock
2. ✗ metamorphic rock
3. ✗ igneous rock
4. ✗ volcanic rock

Question Number : 49 Question Id : 318089549 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The accuracy of measurement in chain surveying does not depend upon

Options :

1. ✗ length of the offset
2. ✗ scale of the plotting
3. ✗ importance of the features
4. general layout of the chain lines

Question Number : 50 Question Id : 318089550 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Closed contours of decreasing values towards their centre represent

Options :

1. ✗ a hill
2. a depression
3. ✗ a saddle or pass
4. ✗ a river bed

Question Number : 51 Question Id : 318089551 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Distemper is

Options :

1. a paint consisting of powdered chalk, pigments, and water
2. ✗ a water proofing agent
3. ✗ a paint consisting of coloured cement and water
4. ✗ a drying agent

Question Number : 52 Question Id : 318089552 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The foundations are placed below ground level to increase

Options :

1. ✘ strength
2. ✘ workability
3. ✓ stability of structure
4. ✘ all of the options

Question Number : 53 Question Id : 318089553 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The process of making the back ground rough before plastering is

Options :

1. ✘ dubbing
2. ✓ hacking
3. ✘ blistering
4. ✘ peeling

Question Number : 54 Question Id : 318089554 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The portion of a brick cut across the width is called

Options :

1. ✘ closer
2. ✘ half brick
3. ✘ bed
4. ✓ bat

Question Number : 55 Question Id : 318089555 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The rock formed from the solidification of molten matter (magma) is called

Options :

1. ✘ sedimentary rock
2. ✘ metamorphic rock
3. ✓ igneous rock
4. ✘ none of the options

Question Number : 56 Question Id : 318089556 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Workability of concrete is measured by

Options :

1. ✘ Vicat apparatus test
2. ✓ Slump test

- 3. ❌ Minimum void method
- 4. ❌ Talbot Richard test

Question Number : 57 Question Id : 318089557 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The commonly used material in the manufacture of cement is

Options :

- 1. ❌ sandstone
- 2. ❌ slate
- 3. ✓ limestone
- 4. ❌ graphite

Question Number : 58 Question Id : 318089558 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The reason for considering safety include

Options :

- 1. ❌ Humanitarian concern
- 2. ❌ Economic reasons
- 3. ❌ Laws and Regulations
- 4. ✓ All of the options

Question Number : 59 Question Id : 318089559 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The liquid limit and plastic limit exist in

Options :

- 1. ❌ sandy soils
- 2. ❌ silty soils
- 3. ❌ gravel soils
- 4. ✓ clay soils

Question Number : 60 Question Id : 318089560 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Loess' is silty clay formed by the action of

Options :

- 1. ❌ water
- 2. ❌ glacier
- 3. ✓ wind
- 4. ❌ gravitational force

Question Number : 61 Question Id : 318089561 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The ratio of the weight of water to the weight of solids in a given mass of soil is known

Options :

1. ✘ porosity
2. ✘ specific gravity
3. ✘ void ratio
4. ✓ water content

Question Number : 62 Question Id : 318089562 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The solid angles are measured in

Options :

1. ✘ degrees
2. ✘ grades
3. ✘ radians
4. ✓ steradians

Question Number : 63 Question Id : 318089563 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The protective barrier constructed to enclose harbours is known as

Options :

1. ✓ breakwater
2. ✘ wharves
3. ✘ jetty
4. ✘ quay

Question Number : 64 Question Id : 318089564 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The information to be made available for the certain heavy purchases through the newspaper/website advertisement is called

Options :

1. ✘ Guideline
2. ✘ Terms & Conditions
3. ✘ Purchased Notice
4. ✓ Tender Notice

Question Number : 65 Question Id : 318089565 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

A notice inviting vendors to participate in pre-qualification process is formally called as
Options :

1. ✗ Request for Proposal
2. ✗ Request for Quotation
3. ✓ Expression of Interest
4. ✗ None of the options

Question Number : 66 Question Id : 318089566 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Damages caused due to delay in work are termed as

Options :

1. ✓ Liquidated Damages
2. ✗ Unliquidated Damages
3. ✗ Direct Damages
4. ✗ Tangible Damages

Question Number : 67 Question Id : 318089567 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following sight will be applicable for a change point ?

Options :

1. ✗ Back sight
2. ✗ Fore sight
3. ✗ Intermediate sight & fore sight
4. ✓ Back sight & fore sight

Question Number : 68 Question Id : 318089568 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The minimum grade of RCC recommended for marine civil works as per IS 456 is

Options :

1. ✗ M20
2. ✗ M25
3. ✓ M30
4. ✗ M40

Question Number : 69 Question Id : 318089569 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Equipment used in bathymetry survey for measuring draught is

Options :

1. ✗ Total station

- 2. ✓ Echo sounder
- 3. ✗ DGPS
- 4. ✗ Theodolite

Question Number : 70 Question Id : 318089570 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Minimum period for removal of soffit formwork of beams as per IS 456 is

Options :

- 1. ✓ 7 days
- 2. ✗ 28 days
- 3. ✗ 3 days
- 4. ✗ 1 day

Question Number : 71 Question Id : 318089571 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Minimum period of curing recommended for Ordinary portland cement as per IS 456 is

Options :

- 1. ✗ 28 days
- 2. ✗ 14 days
- 3. ✓ 7 days
- 4. ✗ 3 days

Question Number : 72 Question Id : 318089572 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Aggregate impact value indicates which one of the following properties of aggregates

Options :

- 1. ✗ Durability
- 2. ✓ Toughness
- 3. ✗ Hardness
- 4. ✗ Strength

Question Number : 73 Question Id : 318089573 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Compaction of soil can be tested using

Options :

- 1. ✓ Proctor test
- 2. ✗ Vane test
- 3. ✗ Penetration test
- 4. ✗ Hydrometer test

Question Number : 74 Question Id : 318089574 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Identify the odd one out

Options :

1. ❌ Tensile test
2. ❌ Brinell hardness test
3. ❌ Impact test
4. ✓ Spectrometer test

Question Number : 75 Question Id : 318089575 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Bitumen of grade 80/100 means

Options :

1. ❌ penetration value is 80mm
2. ❌ penetration value is 8mm
3. ✓ penetration value is 8mm to 10mm
4. ❌ penetration value is 8cm to 10cm

Question Number : 76 Question Id : 318089576 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The point of contraflexure is the point where

Options :

1. ❌ Shear force is zero
2. ❌ Deflection is zero
3. ✓ Bending moment is zero
4. ❌ Bending moment and shear force is zero

Question Number : 77 Question Id : 318089577 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The minimum grade of RCC recommended for bored piles is

Options :

1. ❌ M20
2. ✓ M25
3. ❌ M30
4. ❌ M40

Question Number : 78 Question Id : 318089578 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The ratio of lateral strain to longitudinal strain is called as

Options :

1. ✗ Young's modulus
2. ✗ Shear modulus
3. ✗ Bulk modulus
4. ✓ Poisson's ratio

Question Number : 79 Question Id : 318089579 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Bituminous materials are commonly used in highway construction because of their good

Options :

1. ✗ shear strength and tensile properties
2. ✗ tensile and compressive properties
3. ✓ binding and waterproofing properties
4. ✗ bond and tensile properties

Question Number : 80 Question Id : 318089580 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which category of cement provides high early compressive strength?

Options :

1. ✓ ordinary portland cement
2. ✗ portland slag cement
3. ✗ portland pozzolano cement
4. ✗ sulphate resisting portland cement

Descriptive type

Group Number :	3
Group Id :	31808923
Group Maximum Duration :	45
Group Minimum Duration :	45
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	20

Descriptive type

Section Id :	31808923
---------------------	----------

Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	2
Number of Questions to be attempted :	2
Section Marks :	20
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	31808923
Question Shuffling Allowed :	Yes

Question Number : 81 Question Id : 318089581 Question Type : SA

Correct Marks : 10 Wrong Marks : 0

Prepare a circular to inform your employees on the introduction of a new biometric attendance system in the company. You are also required to include a user manual (explaining the step by step procedure to record attendance) as Annexure.

Response Type : Alphanumeric

Evaluation Required For SA : No

Max Word Count : 1500

Show Word Count : No

Min Word Count : 0

Highlight min word : Yes

Single Line Response : No

Number of Rows : 10

Number Of Columns : 70

Text Areas : PlainText

Question Number : 82 Question Id : 318089582 Question Type : SA

Correct Marks : 10 Wrong Marks : 0

As a prelude to the Vigilance Awareness Week 2024, all organizations are required to undertake a three-month campaign from 16th Aug to 15th Nov 2024 on Preventive Vigilance. In this regard, write a letter to Shri. T.Prabhu, IOFS, Chief Vigilance Officer of Cochin Port Authority, Kochi inviting him to Cochin Shipyard Ltd, to deliver a talk on the topic Preventive Vigilance for the Senior Executives in Cochin Shipyard Ltd.

Response Type : Alphanumeric

Evaluation Required For SA : No

Max Word Count : 1500

Show Word Count : No

Min Word Count : 0

Highlight min word : Yes

Single Line Response : No

Number of Rows : 10

Number Of Columns : 70

Text Areas : PlainText

Question paper of Project Assistant (Instrumentation)

Cochin Shipyard Limited

Notations :

- Options shown in **green** color and with  icon are correct.
- Options shown in **red** color and with  icon are incorrect.

Question Paper Name :

Online Test for the post of Project Assistant
Instrumentation 7th November 2024 Shift 2

Subject Name :

Online Test for the post of Project Assistant
Instrumentation

Creation Date :

2024-11-07 15:23:59

Duration :

135

Total Marks :

100

Display Marks:

No

Share Answer Key With Delivery Engine :

No

Change Font Color :

No

Change Background Color :

No

Change Theme :

No

Help Button :

No

Show Reports :

No

Show Progress Bar :

No

General

Group Number :

1

Group Id :

31808933

Group Maximum Duration :

34

Group Minimum Duration :

34

Show Attended Group? :

No

Edit Attended Group? :

No

Break time :

0

Group Marks :

30

General

Section Id :

31808933

Section Number :

1

Section type :

Online

Mandatory or Optional :

Mandatory

Number of Questions :	30
Number of Questions to be attempted :	30
Section Marks :	30
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	31808933
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 318089829 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following is true?

Options :

1. ✘ All unwritten contracts are agreements
2. ✘ All agreements are contracts
3. ✓ Only legally enforceable agreements are contracts
4. ✘ Only written agreements are contracts

Question Number : 2 Question Id : 318089830 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Article 44 of the Indian Constitution provides for

Options :

1. ✓ Uniform Civil Code for citizens
2. ✘ Right to property
3. ✘ Fundamental duties
4. ✘ Organisation of village panchayats

Question Number : 3 Question Id : 318089831 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Winner of 2022 FIFA World Cup held at Qatar

Options :

1. ✘ France
2. ✓ Argentina
3. ✘ Portugal
4. ✘ Brazil

Question Number : 4 Question Id : 318089832 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Cochin Shipyard Limited comes under

Options :

1. ✘ Ministry of Commerce and Industry

- 2. ❌ Ministry of Defence
- 3. ✓ Ministry of Ports, Shipping and Waterways
- 4. ❌ Ministry of Heavy Industry and Public Enterprises

Question Number : 5 Question Id : 318089833 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which river of India is called Vridha Ganga?

Options :

- 1. ❌ Krishna
- 2. ✓ Godavari
- 3. ❌ Kaveri
- 4. ❌ Narmada

Question Number : 6 Question Id : 318089834 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

"Fire" is related to "Ashes" in the same way "Explosion" is related to

Options :

- 1. ❌ Sound
- 2. ✓ Debris
- 3. ❌ Explosive
- 4. ❌ Flame

Question Number : 7 Question Id : 318089835 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Choose the word which is least like other words

Options :

- 1. ❌ Wheat
- 2. ✓ Sugar
- 3. ❌ Rice
- 4. ❌ Maize

Question Number : 8 Question Id : 318089836 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

In certain code HIMACHAL is coded as JKOC EJCN. How ORISSA is coded?

Options :

- 1. ❌ QTKUVC
- 2. ❌ TKUPC
- 3. ✓ QTKUUC
- 4. ❌ QTKUUB

Question Number : 9 Question Id : 318089837 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Choose the odd one out.

Options :

1. ❌ Dollar
2. ❌ Euro
3. ❌ Peso
4. ✓ Ounce

Question Number : 10 Question Id : 318089838 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Pointing to a boy in the photograph, Monika said, "His sister is the only daughter of my father". How is the boy related to Monika's father?

Options :

1. ❌ Nephew
2. ❌ Son in law
3. ✓ Son
4. ❌ Brother

Question Number : 11 Question Id : 318089839 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

12 buckets of water fill a tank when the capacity of each bucket is 13.5 litres. How many buckets will be needed to fill the same tank, if the capacity of each bucket is 9 litres?

Options :

1. ❌ 15
2. ✓ 18
3. ❌ 11
4. ❌ 13

Question Number : 12 Question Id : 318089840 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Value of 102×98 is:

Options :

1. ❌ 9786
2. ❌ 9896
3. ❌ 9986
4. ✓ 9996

Question Number : 13 Question Id : 318089841 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

How many prime numbers are less than 30?

Options :

1. ✗ 8
2. ✓ 10
3. ✗ 12
4. ✗ 14

Question Number : 14 Question Id : 318089842 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The total weight of 45 boxes loaded in a truck was 1000 kgs. 3 over sized boxes weighing 51 kg, 54 kg and 55 kg were removed from the truck. Find the average weight of the remaining boxes

Options :

1. ✗ 18 kg
2. ✓ 20 kg
3. ✗ 27 kg
4. ✗ 46 kg

Question Number : 15 Question Id : 318089843 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Raju & Tom together can do a work in 10 days. Tom & Appu together can do it in 12 days. Appu & Raju together can do it in 15 days. In how many days will they finish it if all the three work together?

Options :

1. ✓ 8 days
2. ✗ 4 days
3. ✗ 4.5 days
4. ✗ 9.5 days

Question Number : 16 Question Id : 318089844 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The ratio between the speed of a boat upstream and downstream is 3 : 5. What is the speed of the boat in still water, if it covers 120 kms downstream in 8 hours?

Options :

1. ✗ 10 km/hr
2. ✓ 12 km/hr
3. ✗ 15 km/hr
4. ✗ 20 km/hr

Question Number : 17 Question Id : 318089845 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

When 15 persons present in a conference shake hands with one another, how many handshakes will be there in total?

Options :

1. ✗ 15
2. ✓ 105
3. ✗ 30
4. ✗ 210

Question Number : 18 Question Id : 318089846 Question Type : MCQ Option Shuffling : Yes**Correct Marks : 1 Wrong Marks : 0**

Area of the largest triangle that can be inscribed in a semicircle of radius 2 cm is

Options :

1. ✗ 2 sqcm
2. ✗ 3 sqcm
3. ✓ 4 sqcm
4. ✗ 5 sqcm

Question Number : 19 Question Id : 318089847 Question Type : MCQ Option Shuffling : Yes**Correct Marks : 1 Wrong Marks : 0**

The ratio between the ages of Appu and Ryan at present is 3 : 4. Five years ago the ratio of their ages was 2 : 3. What is the present age of Appu ?

Options :

1. ✓ 15 years
2. ✗ 20 years
3. ✗ 12 years
4. ✗ 30 years

Question Number : 20 Question Id : 318089848 Question Type : MCQ Option Shuffling : Yes**Correct Marks : 1 Wrong Marks : 0**

A perfect square can never have the following digit at ones place

Options :

1. ✗ 1
2. ✗ 6
3. ✗ 5
4. ✓ 3

Question Number : 21 Question Id : 318089849 Question Type : MCQ Option Shuffling : Yes**Correct Marks : 1 Wrong Marks : 0**

Fill in the blanks by choosing one of the available options using grammatical principles and logical

reasoning.

"The family sat down _____ and enjoyed dinner."

Options :

1. ✗ Around
2. ✓ Together
3. ✗ Collectively
4. ✗ Again

Question Number : 22 Question Id : 318089850 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Choose the option with the word having a meaning opposite to "Judicious"

Options :

1. ✗ Legislative
2. ✗ Lawyer
3. ✗ Tricked
4. ✓ Reckless

Question Number : 23 Question Id : 318089851 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

You shall select the appropriate option which is in line with the relation from the given list using the meaning of the words and logical deduction.

Ships : Dockyard

Options :

1. ✓ Aircrafts : Hanger
2. ✗ Trucks : Station
3. ✗ Cars : Street
4. ✗ Cycles : Barn

Question Number : 24 Question Id : 318089852 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Choose the one word substitution for "A baby"

Options :

1. ✗ Toddler
2. ✓ Infant
3. ✗ Kid
4. ✗ Preschooler

Question Number : 25 Question Id : 318089853 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Identify the type of sentence "How strange she looks ! "

Options :

1. ❌ Interrogative sentence
2. ❌ Declarative sentence
3. ❌ Imperative sentence
4. ✓ Exclamatory sentence

Question Number : 26 Question Id : 318089854 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Although Epsom and Ewell are _____ populated, more than two-fifths of the borough is _____ as a green belt.

Options :

1. ❌ courageously, alarmed
2. ✓ densely, designated
3. ❌ brightly, terrified
4. ❌ morosely, spirited

Question Number : 27 Question Id : 318089855 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Antonym for Deceptive

Options :

1. ❌ Misleading
2. ❌ Fallacious
3. ❌ Deceiving
4. ✓ Straightforward

Question Number : 28 Question Id : 318089856 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The doctor gave me a prescription ___ my cough

Options :

1. ✓ for
2. ❌ with
3. ❌ at
4. ❌ to

Question Number : 29 Question Id : 318089857 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

My grandmother is eighty-five, but she _____ still read and write without glasses.

Options :

1. ✘ Will
2. ✘ Could
3. ✓ Can
4. ✘ Shall

Question Number : 30 Question Id : 318089858 Question Type : MCQ Option Shuffling : Yes**Correct Marks : 1 Wrong Marks : 0**

Synonym of STUMBLING BLOCK

Options :

1. ✘ Argument
2. ✘ Burst
3. ✘ Fallout
4. ✓ Hurdle

Discipline related

Group Number :	2
Group Id :	31808934
Group Maximum Duration :	56
Group Minimum Duration :	56
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	50

Discipline related

Section Id :	31808934
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	50
Number of Questions to be attempted :	50
Section Marks :	50
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	31808934
Question Shuffling Allowed :	Yes

Question Number : 31 Question Id : 318089859 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Synchro is

Options :

1. ✗ a parabolic transducer
2. ✓ an angular position transducer
3. ✗ a synchronising transducer
4. ✗ a variable pressure transducer

Question Number : 32 Question Id : 318089860 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

A meggar is

Options :

1. ✗ Moving iron type instrument
2. ✗ Electro-static type instrument
3. ✗ Hot-wire type instrument
4. ✓ Moving coil type instrument

Question Number : 33 Question Id : 318089861 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The resistance required for critical damping in a circuit is 1000 ohm. The galvanometer circuit has a resistance of 800 ohm. The galvanometer circuit is

Options :

1. ✗ underdamped
2. ✗ critically damped
3. ✓ overdamped
4. ✗ none of the options

Question Number : 34 Question Id : 318089862 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Frequency can be measured by using

Options :

1. ✗ Maxwell's bridge
2. ✗ Schering bridge
3. ✗ Heaviside Campbell bridge
4. ✓ Wein's bridge

Question Number : 35 Question Id : 318089863 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

SI unit of luminous intensity

Options :

1. ✗ Tesla
2. ✗ Mole
3. ✓ Candela
4. ✗ Weber

Question Number : 36 Question Id : 318089864 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

_____ is used to convert AC to DC

Options :

1. ✗ Transformer
2. ✗ Motor
3. ✗ Oscillator
4. ✓ Rectifier

Question Number : 37 Question Id : 318089865 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Universal gates are

Options :

1. ✗ AND & OR
2. ✗ OR & NOR
3. ✗ NAND & AND
4. ✓ NAND & NOR

Question Number : 38 Question Id : 318089866 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Rotameter is used for measuring

Options :

1. ✗ Level
2. ✗ Rotation
3. ✓ Flow
4. ✗ Voltage

Question Number : 39 Question Id : 318089867 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The fuse rating is expressed in terms of

Options :

1. ✓ Current

- 2. ✘ Voltage
- 3. ✘ VAR
- 4. ✘ KVA

Question Number : 40 Question Id : 318089868 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

In a signal flow graph, nodes are represented by small _____

Options :

- 1. ✓ Circles
- 2. ✘ Squares
- 3. ✘ Arrows
- 4. ✘ Triangles

Question Number : 41 Question Id : 318089869 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

In a measurement, what is the term used to specify the closeness of two or more measurements?

Options :

- 1. ✓ Precision
- 2. ✘ Accuracy
- 3. ✘ Fidelity
- 4. ✘ Threshold

Question Number : 42 Question Id : 318089870 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following can be treated as an equivalent of ampere?

Options :

- 1. ✘ Coulomb
- 2. ✘ Joule/second
- 3. ✓ Coulomb/second
- 4. ✘ Watt/second

Question Number : 43 Question Id : 318089871 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which of following is a digital transducer?

Options :

- 1. ✘ Strain gauge
- 2. ✓ Encoder
- 3. ✘ Thermistor

4. ❌ LVDT

Question Number : 44 Question Id : 318089872 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

What device is similar to an RTD but has a negative temperature coefficient?

Options :

1. ❌ Strain gauge
2. ✓ Thermistor
3. ❌ Thermocouple
4. ❌ Pyrometer

Question Number : 45 Question Id : 318089873 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Flapper nozzle is used in a/an _____ controller.

Options :

1. ❌ Electronic
2. ❌ Hydraulic
3. ✓ Pneumatic
4. ❌ None of the options

Question Number : 46 Question Id : 318089874 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Ethernet system uses which of the following technology ?

Options :

1. ✓ Bus
2. ❌ Ring
3. ❌ Star
4. ❌ Tree

Question Number : 47 Question Id : 318089875 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

In DC motor, which of the following part can sustain the maximum temperature rise?

Options :

1. ✓ Field winding
2. ❌ Commutator
3. ❌ Slip rings
4. ❌ Armature winding

Question Number : 48 Question Id : 318089876 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which type of motor does not require a separate power source for the rotor?

Options :

1. ❌ Synchronous motor
2. ✓ Induction motor
3. ❌ Brushless DC motor
4. ❌ Universal motor

Question Number : 49 Question Id : 318089877 Question Type : MCQ Option Shuffling : Yes**Correct Marks : 1 Wrong Marks : 0**

A transformer can have regulation closer to zero ?

Options :

1. ❌ on full-load
2. ❌ on overload
3. ✓ on leading power factor
4. ❌ on zero power factor

Question Number : 50 Question Id : 318089878 Question Type : MCQ Option Shuffling : Yes**Correct Marks : 1 Wrong Marks : 0**

Which of the following is the most likely source of harmonics in a transformer ?

Options :

1. ❌ Poor-insulation
2. ❌ Overload
3. ❌ Loose connections
4. ✓ Core saturation

Question Number : 51 Question Id : 318089879 Question Type : MCQ Option Shuffling : Yes**Correct Marks : 1 Wrong Marks : 0**

In a D.C. generator the ripples in the direct e.m.f. generated are reduced by

Options :

1. ❌ Using conductor of annealed copper
2. ❌ Using commutator with large number of segments
3. ✓ Using carbon brushes of superior quality
4. ❌ Using equaliser ring

Question Number : 52 Question Id : 318089880 Question Type : MCQ Option Shuffling : Yes**Correct Marks : 1 Wrong Marks : 0**

In a D.C. machine stray loss is the sum of

Options :

1. ❌ Total copper loss and mechanical loss
2. ❌ Armature copper loss and iron loss
3. ❌ Shunt field copper loss and mechanical loss
4. ✓ Iron loss and mechanical loss

Question Number : 53 Question Id : 318089881 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Alternators are usually designed to generate ?

Options :

1. ❌ definite currents
2. ❌ definite power factor
3. ❌ variable frequencies
4. ✓ definite frequencies

Question Number : 54 Question Id : 318089882 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

A snubber circuit is used to

Options :

1. ❌ Limit the rate of rising in voltage across BJT
2. ✓ Limit the rate of rising in voltage across SCR
3. ❌ Limit the rate of rising in current across TRIAC
4. ❌ Limit the rate of rising in current across BJT

Question Number : 55 Question Id : 318089883 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

A silicon controlled rectifier is turned off mode when its turn off time is

Options :

1. ❌ Greater than the circuit turn off time
2. ✓ Less than the circuit turn off time
3. ❌ Equal to the circuit turn off time
4. ❌ None of the options

Question Number : 56 Question Id : 318089884 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

A four-quadrant chopper can not be operated as

Options :

1. ❌ Thyristor
2. ✓ Cycloconverter
3. ❌ One quadrant chopper

4. ❌ Inverter

Question Number : 57 Question Id : 318089885 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following part of thermal power plant causes maximum energy losses?

Options :

1. ❌ Alternator
2. ❌ Ash and unburnt carbon
3. ❌ Boiler
4. ✓ Condenser

Question Number : 58 Question Id : 318089886 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which component of gas turbine power plant is main cause of its low efficiency?

Options :

1. ✓ Compressor
2. ❌ Starting motor
3. ❌ Gas turbine
4. ❌ Combustion chamber

Question Number : 59 Question Id : 318089887 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

National Internet Service Provider (ISP) networks are connected to one another by private switching network is called

Options :

1. ❌ Peering Points
2. ✓ Network Access Points
3. ❌ National ISP
4. ❌ None of the options

Question Number : 60 Question Id : 318089888 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The method of communication in which transmission of data takes place in both directions but in one direction at a time is

Options :

1. ❌ Simplex
2. ❌ Four-wire circuit
3. ✓ Half-duplex
4. ❌ Full duplex

Question Number : 61 Question Id : 318089889 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

What else is a command interpreter called?

Options :

1. ✘ prompt
2. ✘ kernel
3. ✘ command
4. ✓ shell

Question Number : 62 Question Id : 318089890 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following is not the feature of a modern control system?

Options :

1. ✘ Correct power level
2. ✓ No oscillation
3. ✘ Quick response
4. ✘ Accuracy

Question Number : 63 Question Id : 318089891 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

A variable reluctance stepper motor is constructed of _____ material with salient poles.

Options :

1. ✘ Paramagnetic
2. ✓ Ferromagnetic
3. ✘ Diamagnetic
4. ✘ Non-magnetic

Question Number : 64 Question Id : 318089892 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The principle of working of a transformer

Options :

1. ✘ static induction
2. ✘ self induction
3. ✓ mutual induction
4. ✘ dynamic induction

Question Number : 65 Question Id : 318089893 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The greatest percentage of powerloss in a DC motor is due to

Options :

1. ✘ core loss
2. ✓ copper loss
3. ✘ windage loss
4. ✘ friction loss

Question Number : 66 Question Id : 318089894 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The device that detects the fault in power system is

Options :

1. ✘ circuit breaker
2. ✓ relay
3. ✘ isolator
4. ✘ none of the options

Question Number : 67 Question Id : 318089895 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

A semiconductor has temperature coefficient of resistance.

Options :

1. ✘ positive
2. ✘ zero
3. ✓ negative
4. ✘ none of the options

Question Number : 68 Question Id : 318089896 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Active devices can also be used as.....

Options :

1. ✓ Amplifiers
2. ✘ Choppers
3. ✘ Converters
4. ✘ Inverters

Question Number : 69 Question Id : 318089897 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Tunnel diode can be used as an active device because.....

Options :

1. ✓ its negative resistance region is used
2. ✘ it conducts at a faster rate

- 3. ✘ it triggers the flow of electrons in reverse bias
- 4. ✘ of tunneling effect

Question Number : 70 Question Id : 318089898 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following is a special-purpose register of microprocessor?

Options :

- 1. ✓ Program counter
- 2. ✘ Instruction register
- 3. ✘ Accumulator
- 4. ✘ Temporary register

Question Number : 71 Question Id : 318089899 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following is a system software?

Options :

- 1. ✘ Word processing software
- 2. ✓ Operating system
- 3. ✘ Web browsers
- 4. ✘ Spreadsheet software

Question Number : 72 Question Id : 318089900 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Identify the protocol primarily used for browsing data.

Options :

- 1. ✘ FTP
- 2. ✘ TCP
- 3. ✘ TFTP
- 4. ✓ HTTP

Question Number : 73 Question Id : 318089901 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

In a control system the output of the controller is given to

Options :

- 1. ✘ Amplifier
- 2. ✘ Sensor
- 3. ✓ Final control element
- 4. ✘ Comparator

Question Number : 74 Question Id : 318089902 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

In a temperature control system, what conversion in signal takes place?

Options :

1. ✘ Error to Digital
2. ✘ Digital to Analog
3. ✓ Analog to Digital
4. ✘ Error to Analog

Question Number : 75 Question Id : 318089903 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

In servo-system, the device used for derivative feedback is known as

Options :

1. ✘ Synchro
2. ✘ Servomotor
3. ✘ Potentiometer
4. ✓ Tacho generator

Question Number : 76 Question Id : 318089904 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

The rotor of a stepper motor has no

Options :

1. ✘ Windings
2. ✘ Commutator
3. ✘ Brushes
4. ✓ All of the mentioned

Question Number : 77 Question Id : 318089905 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

A CRO can display

Options :

1. ✘ AC signals
2. ✘ DC signals
3. ✓ Both AC and DC signals
4. ✘ Time invariant signals

Question Number : 78 Question Id : 318089906 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Humidity of air can be determined by a

Options :

1. ❌ Chromatograph
2. ✓ Sling psychrometer
3. ❌ Mass spectrometer
4. ❌ Polarimeter

Question Number : 79 Question Id : 318089907 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

Which of the following is not classified as a thermo electric pyrometer?

Options :

1. ❌ Resistance thermometer
2. ❌ Thermocouple
3. ✓ Optical pyrometer (disappearing filament type)
4. ❌ Radiation pyrometer

Question Number : 80 Question Id : 318089908 Question Type : MCQ Option Shuffling : Yes

Correct Marks : 1 Wrong Marks : 0

What is the function of the flow control valve?

Options :

1. ❌ Controls the direction of flow of air
2. ❌ The moisture is separated and removed
3. ❌ It converts the mechanical energy to hydraulic energy
4. ✓ It controls the rate of flow of compressed air

Descriptive type

Group Number :	3
Group Id :	31808935
Group Maximum Duration :	45
Group Minimum Duration :	45
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	20

Descriptive type

Section Id :	31808935
Section Number :	1

Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	2
Number of Questions to be attempted :	2
Section Marks :	20
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	31808935
Question Shuffling Allowed :	Yes

Question Number : 81 Question Id : 318089909 Question Type : SA

Correct Marks : 10 Wrong Marks : 0

Prepare a circular to inform your employees on the introduction of a new biometric attendance system in the company. You are also required to include a user manual (explaining the step by step procedure to record attendance) as Annexure.

Response Type : Alphanumeric

Evaluation Required For SA : No

Max Word Count : 1500

Show Word Count : No

Min Word Count : 0

Highlight min word : Yes

Single Line Response : No

Number of Rows : 10

Number Of Columns : 70

Text Areas : PlainText

Question Number : 82 Question Id : 318089910 Question Type : SA

Correct Marks : 10 Wrong Marks : 0

As a prelude to the Vigilance Awareness Week 2024, all organizations are required to undertake a three-month campaign from 16th Aug to 15th Nov 2024 on Preventive Vigilance. In this regard, write a letter to Shri. T.Prabhu, IOFS, Chief Vigilance Officer of Cochin Port Authority, Kochi inviting him to Cochin Shipyard Ltd, to deliver a talk on the topic Preventive Vigilance for the Senior Executives in Cochin Shipyard Ltd.

Response Type : Alphanumeric

Evaluation Required For SA : No

Max Word Count : 1500

Show Word Count : No

Min Word Count : 0

Highlight min word : Yes

Single Line Response : No

Number of Rows : 10

Number Of Columns : 70

Text Areas : PlainText