

**Notations :**

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

|                                               |                           |
|-----------------------------------------------|---------------------------|
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| <b>Eraser Required?:</b>                      | No                        |
| <b>Scratch Pad Required?:</b>                 | No                        |
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**Question Shuffling Allowed :** Yes

**Question Number : 1 Question Id : 2310981 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3 Option Orientation : Vertical**

**Correct Marks : 2 Wrong Marks : 0.66**

'Xeriscaping' is the practice of planting trees that use very little \_\_\_\_\_.

**Options :**

1. ✖ sunlight

2. ✖ clean air

3. ✓ water

Question Number : 2 Question Id : 2310982 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Among the following which is the most efficient irrigation system?

Options :

1. ✖ Flooding

2. ✔ Drip Irrigation

3. ✖ Ditch or Furrow Irrigation

4. ✖ Sprinkler Irrigation

Question Number : 3 Question Id : 2310983 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Mughal Garden at Rashtrapati Bhavan in New Delhi was designed by \_\_\_\_\_.

Options :

1. ✔ Edwin Lutyens

2. ✖ Herbert Baker

3. ✖ Thomas Church

4. ✖ Charles Jencks

Question Number : 4 Question Id : 2310984 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

United Nations Conference on Environment and Development (UNCED) is commonly known as \_\_\_\_\_.

Options :

1. ✖ Kyoto Protocol
2. ✔ Earth Summit
3. ✖ World Climate Conference
4. ✖ Stockholm Conference

Question Number : 5 Question Id : 2310985 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

In December 2019, the UN Climate Change Conference COP 25 was held in:

Options :

1. ✖ Rio de Janeiro
2. ✖ Macau
3. ✔ Madrid
4. ✖ Barcelona

Question Number : 6 Question Id : 2310986 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

What is the full form of ICOMOS?

Options :

1. ✔ International Council on Monuments and Sites
2. ✖ International Committee on Monuments and Sites
3. ✖ International Committee on Monuments Ornamentals and Sites

Question Number : 7 Question Id : 2310987 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Calculate the slope percentage of a landscape lawn with 3 meter rise and 36 meter run.

Options :

1. ✔ 8.3%

2. ✖ 10%

3. ✖ 11%

4. ✖ 12%

Question Number : 8 Question Id : 2310988 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The book 'Design with Nature' was written by \_\_\_\_\_.

Options :

1. ✖ John Ormsbee Simonds

2. ✖ Grant W Reid

3. ✔ Ian L McHarg

4. ✖ Leonard J Hopper

Question Number : 9 Question Id : 2310989 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Calculate the slope degree for a continuously sloping ground with a rise of 50 feet for 100 feet run.

Options :

1. ✖ 29.5°

2. ✔ 26.6°

3. ✖ 36.6°

4. ✖ 46.6°

Question Number : 10 Question Id : 23109810 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Among the following, which is the least efficient water supply system?

Options :

1. ✖ Grid system

2. ✖ Ring system

3. ✖ Radial system

4. ✔ Dead End System

Question Number : 11 Question Id : 23109811 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

What is the full form of NRW?

Options :

1. ✔ Non-Revenue Water

2. ✖ Non-Recovery Water

3. ✖ Non-Renewable Water

Question Number : 12 Question Id : 23109812 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The slope of ramp shall not exceed 1 in \_\_\_\_\_

Options :

1. ✖ 8

2. ✖ 10

3. ✔ 12

4. ✖ 15

Question Number : 13 Question Id : 23109813 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which IS code is used for the design of electric traction lifts in India?

Options :

1. ✖ IS 12665

2. ✖ IS 27665

3. ✖ IS 34665

4. ✔ IS 14665

Question Number : 14 Question Id : 23109814 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Desiccants are chemicals that \_\_\_\_\_.

Options :

1. ✖ add moisture
2. ✔ remove moisture
3. ✖ add humidity
4. ✖ remove humidity

Question Number : 15 Question Id : 23109815 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

What is the recommended level of illuminance (Recommended by National Building Code of India) in general areas and reading areas in a library?

Options :

1. ✖ 50 lux
2. ✖ 100 lux
3. ✔ 300 lux
4. ✖ 150 lux

Question Number : 16 Question Id : 23109816 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

A lamp source of 2,700 candela is mounted on a wall at a height of 3 meter from the work-plane. It subtends an angle of incidence of  $60^\circ$  with the center of the work plane. The illumination at the centre of the work plane is \_\_\_\_\_.

Options :

1. ✖ 300 lux
2. ✖ 200 lux

3. ✓ 150 lux

4. ✗ 100 lux

Question Number : 17 Question Id : 23109817 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

A room is mechanically ventilated through two air-conditioning ducts. The opening area of each duct is  $0.36 \text{ m}^2$ . The air velocity in the duct is  $1 \text{ m/s}$ . The temperature difference between the ambient air and supply air is  $10^\circ\text{C}$ . Volumetric specific heat of air is  $1250 \text{ J/m}^3 \text{ }^\circ\text{C}$ . Assuming one ton of refrigeration (TR) equals  $3.5 \text{ kW}$ , the cooling load of the room (in TR) will be\_\_\_\_\_.

Options :

1. ✓ 2.5

2. ✗ 2

3. ✗ 1.5

4. ✗ 3

Question Number : 18 Question Id : 23109818 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Calculate the Light Power Density (in  $\text{watt/m}^2$ ) of a room  $4 \text{ m}$  (wide) x  $6 \text{ m}$  (long) and  $3 \text{ m}$  height with 6 T5 tube-lights of  $28 \text{ watt}$  each.

Options :

1. ✗  $5 \text{ Watt/m}^2$

2. ✗  $6 \text{ Watt/m}^2$

3. ✓  $7 \text{ Watt/m}^2$

Question Number : 19 Question Id : 23109819 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Who coined the term 'EKISTICS'?

Options :

1. ✖ Adolf Meyer

2. ✖ Le Corbusier

3. ✖ Otto H Königsberger

4. ✔ Constantinos A Doxiadis

Question Number : 20 Question Id : 23109820 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

In 40 BCE, Vitruvius invented the idea that all buildings should have three attributes. Which are these three attributes?

Options :

1. ✖ Health, convenience and beauty

2. ✔ Firmitas, Utilitas and Venustas

3. ✖ Elegance, efficiency and economy

4. ✖ Appearance, elegance and efficiency

Question Number : 21 Question Id : 23109821 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

\_\_\_\_\_ is the comparative study of the measurements and capabilities of the human body.

Options :

1. ✓ Anthropometrics

2. ✗ Anthropology

3. ✗ Anthropotomy

4. ✗ Androtomy

Question Number : 22 Question Id : 23109822 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which two garden cities were built using Ebenezer Howard's garden city movement in England?

Options :

1. ✗ Chelmsford and Leicester

2. ✓ Letchworth and Welwyn

3. ✗ Edinburgh and Glasgow

4. ✗ Newcastle and Cardiff

Question Number : 23 Question Id : 23109823 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

A central public space in ancient Greek city-states was called \_\_\_\_\_.

Options :

1. ✗ Stoa

2. ✗ Plaza

3. ✖ Polis

4. ✔ Agora

Question Number : 24 Question Id : 23109824 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

A city state in ancient Greek was called \_\_\_\_\_.

Options :

1. ✔ Polis

2. ✖ Agora

3. ✖ Stoa

4. ✖ Sanctuary

Question Number : 25 Question Id : 23109825 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Who wrote the book 'The Structural Transformation of the Public Sphere'?

Options :

1. ✖ Karl Marx

2. ✖ Henri Lefebvre

3. ✖ Lewis Mumford

4. ✔ Jürgen Habermas

Question Number : 26 Question Id : 23109826 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Why prepare in the theories of 'conceived space', 'perceived space' and 'lived space'?

Options :

1. ✓ Henri Lefebvre

2. ✗ Lewis Mumford

3. ✗ Peter Carl Thorpe

4. ✗ Tony Garnier

Question Number : 27 Question Id : 23109827 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Estimation of spot price of a plot of land or building is called \_\_\_\_\_.

Options :

1. ✗ Appraisal

2. ✗ Worth

3. ✓ Valuation

4. ✗ Speculation

Question Number : 28 Question Id : 23109828 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Circle rates of land are notified by the local collector or deputy commissioner with a view to

\_\_\_\_\_.

Options :

1. ✗ keep track of market price of land

2. ✓ reduce the possibility of stamp duty evasion

3. ✗ protect the interest of the farmers

4. ✗ protect the interest of purchaser

Question Number : 29 Question Id : 23109829 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The estimated number of bricks (unit size: 230 mm × 115 mm × 75 mm) for laying one course of a 230 mm thick brick wall using rat-trap bond for a running length of 3 meter will be \_\_\_\_\_.

Options :

1. ✗ 40

2. ✗ 23

3. ✗ 35

4. ✓ 31

Question Number : 30 Question Id : 23109830 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

A solar photovoltaic system is proposed to be installed on the roof top of an institutional building. The cost of installation and the annual maintenance are ₹2,00,000 and ₹10,000 respectively. It is expected to generate 1000 kWh of electricity per month. Assume unit price of electricity as ₹5. Ignoring the discount rate, the payback period of the investment (in years) is \_\_\_\_.

Options :

1. ✗ 8

2. ✗ 7

3. ✓ 4

4. ✗ 5

Question Number : 31 Question Id : 23109831 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

In a housing project, the numbers of LIG, MIG and HIG units are in the ratio of 1:2:4. The ratio of areas of the units is 3:4:7. Assume unit cost of construction is the same for all the three types. For a no profit no loss situation, if 10% discount is offered to LIG and MIG units on sale price, extra charge in percentage payable per HIG unit will be

\_\_\_\_\_.

Options :

1. ✓ 3.93%

2. ✗ 4.12%

3. ✗ 4.93%

4. ✗ 3.25%

Question Number : 32 Question Id : 23109832 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

One litre of acrylic paint can cover  $16 \text{ m}^2$  of wall area for the first coat and  $24 \text{ m}^2$  for the second coat. The walls of a lecture hall measuring  $12 \text{ m} \times 8 \text{ m} \times 4 \text{ m}$  ( $L \times B \times H$ ) need to be painted with two coats of this paint. The hall has total glazed fenestration area of  $12 \text{ m}^2$ . The number of 4-litre paint containers required will be:

Options :

1. ✗ 3

2. ✗ 5

3. ✗ 7

Question Number : 33 Question Id : 23109833 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

How many cement bags will be required for 1 cubic meter of M15 concrete mix? (correct upto two decimal points)

Options :

1. ✖ 5.25

2. ✔ 6.25

3. ✖ 5.6

4. ✖ 4.6

Question Number : 34 Question Id : 23109834 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

If the original cost of a building is ₹25,00,000 and its scrap value after 50 years is ₹50,000, its annual depreciation using Straight Line Method is closest to:

Options :

1. ✔ ₹49,000

2. ✖ ₹59,000

3. ✖ ₹69,000

4. ✖ ₹39,000

Question Number : 35 Question Id : 23109835 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Who planned Gandhinagar City?

Options :

1. ✖ Otto Königsberger

2. ✔ HK Mewada

3. ✖ Le Corbusier

4. ✖ Charles Correa

Question Number : 36 Question Id : 23109836 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Linear city model was coined by:

Options :

1. ✖ Le Corbusier

2. ✖ Otto Königsberger

3. ✖ Adolf Meyer

4. ✔ Arturo Soriya Y Mata

Question Number : 37 Question Id : 23109837 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Who designed Masdar City in the UAE?

Options :

1. ✖ Arup Associates

2. ✔ Foster+Partners

3. ✖ Emaar

4. ✖ Balmori Associates

Question Number : 38 Question Id : 23109838 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which of the following is NOT a land assembly technique?

Options :

1. ✔ Land Use Zoning

2. ✖ Accommodation Reservation

3. ✖ Transfer of Development Right

4. ✖ Town Planning Scheme

Question Number : 39 Question Id : 23109839 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The Master Plan of Amaravati city was designed by:

Options :

1. ✖ Arup Associates

2. ✖ Emaar

3. ✖ Balmori Associates

4. ✔ Foster+Partners

Question Number : 40 Question Id : 23109840 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

What is the minimum percentage of Institutional Land of total developed area for the Education-based townships permitted under Gujarat Integrated Township Policy, 2008?

Options :

1. ✖ 5%

2. ✔ 1%

3. ✖ 2%

4. ✖ 3 %

Question Number : 41 Question Id : 23109841 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Who assisted Le Corbusier in designing Chandigarh city?

Options :

1. ✖ Sangeet Sharma

2. ✖ B V Doshi

3. ✔ Maxwell Fry and Jane Drew

4. ✖ Pierre Jeanneret

Question Number : 42 Question Id : 23109842 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Phase I of Chandigarh city was planned to accommodate a population of \_\_\_\_\_.

Options :

1. ✔ 1,50,000

2. ✖ 1,00,000

3. ✖ 2,00,000

4. ✖ 50,000

Question Number : 43 Question Id : 23109843 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

What is the frequency of an object that vibrates 960 times in two minutes?

Options :

1. ✖ 16

2. ✖ 12

3. ✔ 8

4. ✖ 6

Question Number : 44 Question Id : 23109844 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Reverberation time is denoted as:

Options :

1. ✖  $RT_{30}$

2. ✖  $RT_{40}$

3. ✖  $RT_{50}$

4. ✔  $RT_{60}$

Question Number : 45 Question Id : 23109845 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Options :

1. ✖ IS : 2625

2. ✖ IS : 2588

3. ✔ IS : 2526

4. ✖ IS : 2527

Question Number : 46 Question Id : 23109846 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Octave band is \_\_\_\_\_.

Options :

1. ✖

a frequency band in which upper band-edge frequency is the lower band-edge frequency times the cube root of two

2. ✖

the band of frequencies in which upper limit of the band is same as the frequency of the lower limit

3. ✖

the band of frequencies in which lower limit of the band is twice the frequency of the upper limit

4. ✔

the band of frequencies in which upper limit of the band is twice the frequency of the lower limit

Question Number : 47 Question Id : 23109847 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

What are the acceptable indoor noise levels (in dBA) in auditoria and concert halls as per National Building Code of India 2016?

Options :

1. ✖ 35-40

2. ✖ 25-30

3. ✔ 20-25

4. ✖ 45-50

Question Number : 48 Question Id : 23109848 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

What is the recommended reverberation time (Recommended by National Building Code of India 2016) of a room designed for speech?

Options :

1. ✔  $\leq 1$  second2. ✖  $>1$  second

3. ✖ 1 - 2 second

4. ✖ 1.5 - 2.5 second

Question Number : 49 Question Id : 23109849 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The frequency of free vibration is:

Options :

1. ✖ Normal frequency

2. ✖ Center frequency

3. ✖ Resonant frequency

Question Number : 50 Question Id : 23109850 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The transmission of sound from one room to an adjacent room via common walls, floors or ceilings is termed as:

Options :

1. ✖ Reverberation

2. ✔ Flanking transmission

3. ✖ Reflection

4. ✖ Refraction

Question Number : 51 Question Id : 23109851 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Calculate the reverberation time of a room that is 3 m (length) x 3 m (width) and 3 m (height). Absorption coefficients for wall, floor and ceiling are 0.4, 0.6 and 0.1, respectively.

Options :

1. ✖ 0.16 second

2. ✔ 0.21 second

3. ✖ 0.48 second

4. ✖ 0.37 second

Question Number : 52 Question Id : 23109852 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Concrete is weak in \_\_\_\_\_.

Options :

1. ✖ compression
2. ✖ loading
3. ✔ tension
4. ✖ bending

Question Number : 53 Question Id : 23109853 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

A prestressed concrete pole is \_\_\_\_\_ in appearance.

Options :

1. ✔ clean
2. ✖ black
3. ✖ rusty
4. ✖ greasy

Question Number : 54 Question Id : 23109854 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The bending moment acting on the face of a column footing is \_\_\_\_\_.

Options :

1. ✖ twice as the reaction
2. ✖ negligible

3. ✖ minimum

4. ✔ maximum

Question Number : 55 Question Id : 23109855 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

In a uniformly loaded simply supported beam, at the center of the beam \_\_\_\_\_.

Options :

1. ✖ both, shear force and bending moment are negligible

2. ✖ both, shear force and bending moment are zero

3. ✖ shear force is maximum and bending moment is zero

4. ✔ shear force is zero and bending moment is maximum

Question Number : 56 Question Id : 23109856 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Consistency of concrete is measured by \_\_\_\_\_.

Options :

1. ✔ Slump test

2. ✖ Cube test

3. ✖ Water permeability test

4. ✖ Water absorption test

Question Number : 57 Question Id : 23109857 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

What is the compressive strength of Ultra-High Performance Concrete?

Options :

1. ✖ 10-20 MPa
2. ✖ 60-100 MPa
3. ✔ 100-150 MPa
4. ✖ >150 MPa

Question Number : 58 Question Id : 23109858 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Foam concrete was first used in \_\_\_\_\_.

Options :

1. ✔ 1923
2. ✖ 1913
3. ✖ 1935
4. ✖ 1945

Question Number : 59 Question Id : 23109859 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which bacteria is used in self-healing concrete?

Options :

1. ✖ *Kingella kingae*
2. ✖ *Desmospora activa*

4. ✔ *Bacillus subtilis*

Question Number : 60 Question Id : 23109860 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Architects (Professional Conduct) Regulations were framed in \_\_\_\_\_.

Options :

1. ✖ 1972

2. ✔ 1989

3. ✖ 1986

4. ✖ 1973

Question Number : 61 Question Id : 23109861 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

What is the full form of NATA?

Options :

1. ✔ National Aptitude Test in Architecture

2. ✖ National Aptitude Test in Agriculture

3. ✖ National Advance Test in Architecture

4. ✖ National Advance Test in Agriculture

Question Number : 62 Question Id : 23109862 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

As per Council of Architecture Rules, 1973 the Architect's professional liability shall be limited to a maximum period of \_\_\_\_\_ year/s after the building is handed over to the owner or occupied by the owner, whichever is earlier.

Options :

- 1. ✖ one
- 2. ✖ two
- 3. ✔ three
- 4. ✖ five

Question Number : 63 Question Id : 23109863 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

As per Council of Architecture norms, minimum fees that can be charged by an Architect for a single block housing of site upto 0.5 hectare for comprehensive architectural services is \_\_\_\_\_.

Options :

- 1. ✔ 5% of the total cost of the work
- 2. ✖ 3.5% of the total cost of the work
- 3. ✖ fixed cost per sq. m area of the building
- 4. ✖ 7.5% of the total cost of the work

Question Number : 64 Question Id : 23109864 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

As per Council of Architecture norms for doing B. Arch. Practical Training under mentorship of an architect having experience of at least \_\_\_\_\_ years.

Options :

- 1. ✔ 5

2. ✖ 10

3. ✖ 15

4. ✖ 20

Question Number : 65 Question Id : 23109865 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Indian Contract Act was formulated in the year\_\_\_\_\_.

Options :

1. ✖ 1898

2. ✖ 1876

3. ✖ 1857

4. ✔ 1872

Question Number : 66 Question Id : 23109866 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Architect may exhibit his name outside his office and on a building, either under construction or completed, for which he is or was an Architect, provided the lettering does not exceed \_\_\_\_\_ in height

Options :

1. ✖ 8 cm

2. ✔ 10 cm

3. ✖ 12 cm

Question Number : 67 Question Id : 23109867 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The Council of Architecture (COA) was constituted by the Government of India under the provisions of the Architects Act, 1972, enacted by the Parliament of India, which came into force on \_\_\_\_\_.

Options :

1. ✖ 1st July 1972

2. ✖ 1st April 1972

3. ✔ 1st September 1972

4. ✖ 1st October 1972

Question Number : 68 Question Id : 23109868 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

In AutoCAD, which mode allows users to draw 90° straight lines?

Options :

1. ✖ Polar tracking

2. ✖ Osnap

3. ✖ Linear

4. ✔ Ortho

Question Number : 69 Question Id : 23109869 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

In AutoCAD, how many grip points does a circle have?

Options :

1. ✓ 5

2. ✗ 4

3. ✗ 3

4. ✗ 2

Question Number : 70 Question Id : 23109870 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

In AutoCAD, to obtain parallel line and concentric circles \_\_\_\_\_ is used.

Options :

1. ✗ Array

2. ✗ Fillet

3. ✓ Offset

4. ✗ Copy

Question Number : 71 Question Id : 23109871 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

By default, when you mirror text, hatches, attributes and attribute definitions in AutoCAD, they are not reversed or turned upside down in the mirror image. The text has the same alignment and justification as before the object was mirrored. If you want text to be reversed \_\_\_\_\_ command is used.

Options :

1. ✗ MIRROR3D

2. ✗ MINSERT

4. ✔ MIRRTEXT

Question Number : 72 Question Id : 23109872 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The command \_\_\_\_\_ in AutoCAD removes unused items, such as block definitions and layers, from the drawing.

Options :

1. ✔ PURGE

2. ✖ DELETE

3. ✖ ERASE

4. ✖ OOPS

Question Number : 73 Question Id : 23109873 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The command \_\_\_\_\_ in AutoCAD saves selected objects or converts a block to a specified drawing file.

Options :

1. ✖ DDEDIT

2. ✖ BLOCK

3. ✖ COPY

4. ✔ WBLOCK

Question Number : 74 Question Id : 23109874 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The command \_\_\_\_\_ in AutoCAD is used to create 3D solid or surface in the space between several cross sections.

Options :

1. ✖ XEDGES

2. ✔ LOFT

3. ✖ MESH

4. ✖ PFACE

Question Number : 75 Question Id : 23109875 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The command \_\_\_\_\_ in AutoCAD is used to create 3D solid or surface by extending a 2D or 3D object or sub-object along a path.

Options :

1. ✖ MESH

2. ✖ SOLIDHIST

3. ✔ SWEEP

4. ✖ XEDGES

Question Number : 76 Question Id : 23109876 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Length, mass and time are \_\_\_\_\_ quantities.

Options :

1. ✖ indefinite

2. ✖ vector

3. ✓ scalar

4. ✗ indeterminate

Question Number : 77 Question Id : 23109877 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The magnitude of the moment is given by the formula:

(M = Moment, P = Magnitude of Force, L = Perpendicular distance to point of rotation)

Options :

1. ✓  $M = P \times L$

2. ✗  $M = P/L$

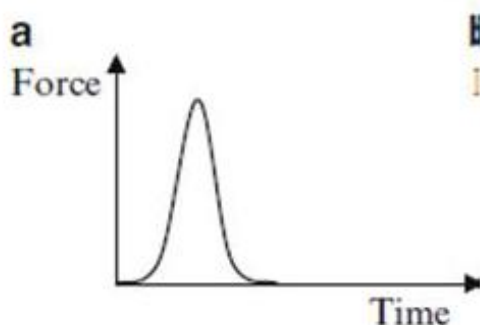
3. ✗  $M = L/P$

4. ✗  $M = P \times P \times L$

Question Number : 78 Question Id : 23109878 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which type of temporal variation of loading is shown by the graph?



Options :

1. ✗ Cyclic

2. ✓ Impulsive

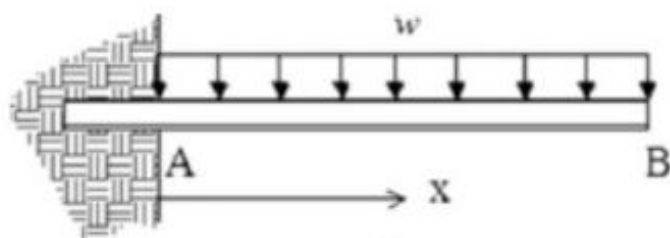
### 3. ✖ Quasi-static

### 4. ✖ Linear

Question Number : 79 Question Id : 23109879 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The bellow attached is an example of:



Options :

1. ✖ cantilever beam with point loading
2. ✖ shear and moment diagram
3. ✖ simply supported beam with uniform load
4. ✔ cantilever beam with uniform loading

Question Number : 80 Question Id : 23109880 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Force method is a procedure for analysing:

Options :

1. ✔ Statistically indeterminate structures that works with force quantities as primary variables
2. ✖ Statistically indeterminate structures that works with force quantities as secondary variables
3. ✖ Statistically determinate structures that works with force quantities as primary variables

Question Number : 81 Question Id : 23109881 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

An oil-borne paint contains a vehicle, a drier, a colouring pigment, solvent and:

Options :

1. ✖ distemper

2. ✖ varnishes

3. ✖ top

4. ✔ base

Question Number : 82 Question Id : 23109882 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

A machine component of length 2.5 m and height 1 m is carried upstairs by two men who hold it by the front and back edge of the lower face. If the machine component is inclined 30 degree to the horizontal and weight 100 N, find how much of the weight each man supports.

Options :

1. ✖ 22.4 N & 77.6 N

2. ✖ 30.1 N & 69.9 N

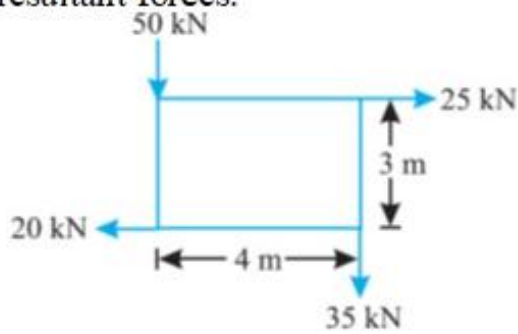
3. ✔ 38.4 N & 61.6 N

4. ✖ 44.2 N & 55.8 N

Question Number : 83 Question Id : 23109883 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

A system of forces acting at the corner of a rectangular block is shown. Determine the magnitude of the resultant forces.



Options :

1. ✖ 55.15 KN

2. ✖ 65.15 KN

3. ✖ 75.15 KN

4. ✔ 85.15 KN

Question Number : 84 Question Id : 23109884 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

\_\_\_\_\_ has properties of length and width, shape, surface, orientation and position.

Options :

1. ✔ Plane

2. ✖ Line

3. ✖ Point

4. ✖ Volume

Question Number : 85 Question Id : 23109885 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Rotational surfaces are generated by rotating a plane curve about:

1. ✖ the base

2. ✖ the top

3. ✖ an object

4. ✔ an axis

Question Number : 86 Question Id : 23109886 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The value of Golden Section is:

Options :

1. ✔ 0.618

2. ✖ 0.628

3. ✖ 0.518

4. ✖ 0.528

Question Number : 87 Question Id : 23109887 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The sanctuary of the Buddhist Chaitya Hall at Karli is an example of:

Options :

1. ✖ multi-storied structure

2. ✔ space curved out of mass

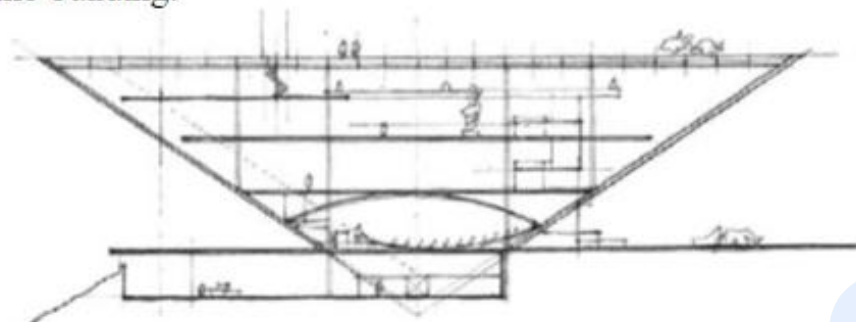
3. ✖ submerged structure

4. ✖ ill-defined space

Question Number : 88 Question Id : 23109888 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Triangle implies stability was established by Oscar Neimeyer through the attached section. Name the building.



Options :

1. ✖ Vigo Sundt house

2. ✖ Falling water house

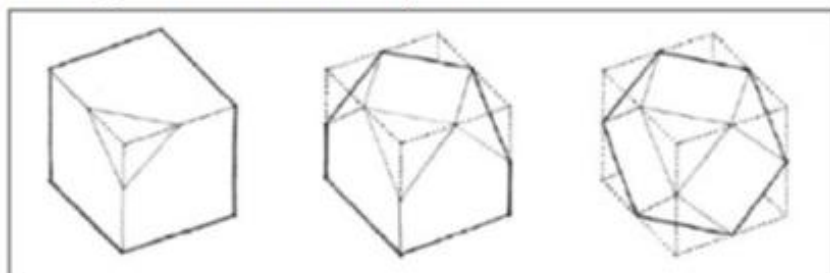
3. ✖ Eiffel Tower, Paris

4. ✔ Modern Art Museum, Caracas

Question Number : 89 Question Id : 23109889 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The figure here is an example of:



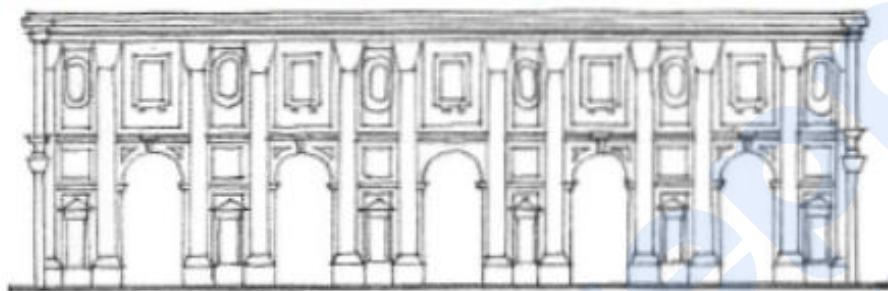
Options :

2. ✖ additive transformation
3. ✔ subtractive transformation
4. ✖ symmetric transformation

Question Number : 90 Question Id : 23109890 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

**Correct Marks : 2 Wrong Marks : 0.66**

Find out the match of the following sequence with the figure.



**Options :**

A B A B A C A B A B A

1. ✓

a . b . b . b . b . b . b . b . a . .  
c . a . b . a . b . a . b . a . c . .  
**A . B . C . B . C . B . C . B . A .**

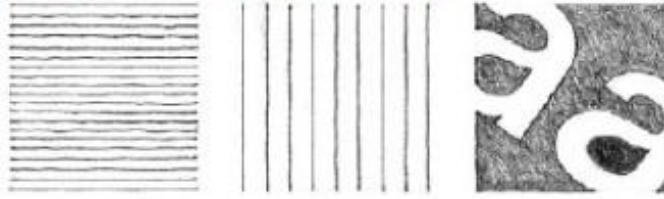
2. ✖

a . b . a . b . a . b . a . b . a .  
a . a . b . a . b . a . b . a . a .  
**A . B . C . B . C . B . C . B . A**

3. 

4. ✖ ABCBBCA

The attached three figures depict:



Options :

1. ✗ texture and colour together affect visual weight

2. ✗ elements of known sizes within the visual context a plane can create perception

3. ✓

directional or oversized optical pattern can distort the shape or exaggerate the proportion of a plane

4. ✗ a frontal view reveals the true shape of a plane

The attached figure depicts which of the following statements?



Options :

1. ✗

If opening is introduced to one side of the corner, one of the planes will appear to bypass the other

2. ✓ Corner condition can be visually reinforced by introducing a separate and distinct element

3. ✗ Rounding off of corners emphasizes continuity of bounding surfaces

4. ✗

If neither plane is extended to define the corner, a volume of space is created to replace the corner

Question Number : 93 Question Id : 23109893 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Plutonic rock is a form of:

Options :

1. ✓ igneous rock

2. ✗ sedimentary rock

3. ✗ metamorphic rock

4. ✗ hypabyssal rock

Question Number : 94 Question Id : 23109894 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which of the following is a harmful ingredient in the composition of bricks?

Options :

1. ✗ Alumina

2. ✗ Silica

3. ✓ Alkalies

4. ✗ Lime

Question Number : 95 Question Id : 23109895 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Bessemer pig is a type of:

Options :

1. ✗ blast furnace

3. ✖ electric reduction furnace

4. ✖ sponge iron process

Question Number : 96 Question Id : 23109896 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

A good building stone maintains its edge and keeps its surface free from powder can be established through:

Options :

1. ✖ Crushing test

2. ✖ Attrition test

3. ✔ Acid test

4. ✖ Crystallisation test

Question Number : 97 Question Id : 23109897 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Sand passing through a screen with clear opening of \_\_\_\_\_ is known as fine sand.

Options :

1. ✔ 1.5875 mm

2. ✖ 0.625 mm

3. ✖ 7.62 mm

4. ✖ 3.175 mm

Question Number : 98 Question Id : 23109898 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Cast iron contains about \_\_\_\_\_ of carbon.

Options :

1. ✖ 1-2%

2. ✔ 2-4%

3. ✖ 4-6%

4. ✖ 6-8%

Question Number : 99 Question Id : 23109899 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The bulk density of clay brick varies from \_\_\_\_\_ kg/m.

Options :

1. ✔ 1600-1800

2. ✖ 2600-2800

3. ✖ 3600-3800

4. ✖ 4600-4800

Question Number : 100 Question Id : 231098100 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Materials having coefficient of softening as equal to or more than \_\_\_\_\_ are referred to as water-resistant material.

Options :

1. ✖ 0.2

2. ✖ 0.4

3. ✔ 0.8

4. ✖ 1.0

Question Number : 101 Question Id : 231098101 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Foundations are broadly classified under \_\_\_\_\_ head(s).

Options :

1. ✖ one

2. ✔ two

3. ✖ three

4. ✖ four

Question Number : 102 Question Id : 231098102 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

A \_\_\_\_\_ is a combined footing that covers the entire area beneath a structure when the allowable soil pressure is low.

Options :

1. ✔ raft foundation

2. ✖ pile foundation

3. ✖ isolated footing

Question Number : 103 Question Id : 231098103 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

\_\_\_\_\_ are used to transfer load through water or soft soil to a suitable bearing stratum.

Options :

1. ✖ Compaction piles

2. ✔ End bearing piles

3. ✖ Grillage foundation

4. ✖ Mat foundation

Question Number : 104 Question Id : 231098104 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

\_\_\_\_\_ are used to protect water from structures against impact from ships.

Options :

1. ✖ Tension piles

2. ✖ Sheet piles

3. ✔ Fender piles

4. ✖ Anchor piles

Question Number : 105 Question Id : 231098105 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The maximum value of slenderness ratio for 90 mm thick walls or more having mortar containing cement is:

Options :

1. ✖ 17

2. ✔ 27

3. ✖ 37

4. ✖ 47

Question Number : 106 Question Id : 231098106 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Cavity wall has about \_\_\_\_\_ greater insulating value than solid wall.

Options :

1. ✔ 25%

2. ✖ 50%

3. ✖ 75%

4. ✖ 100%

Question Number : 107 Question Id : 231098107 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Cast-in-situ partitions are \_\_\_\_\_ thick, cast monolithically with intermediate columns.

Options :

1. ✖ 40 to 50 mm

2. ✖ 50 to 60 mm

Question Number : 108 Question Id : 231098108 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

RCC boot lintels are provided over:

Options :

1. ✖ normal wall

2. ✔ cavity wall

3. ✖ RCC lintel

4. ✖ upstand beam

Question Number : 109 Question Id : 231098109 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

For Live loads on floors as per IS 875 for dwelling houses, the uniformly distributed load varies between \_\_\_\_\_  
(kN/sq.m).

Options :

1. ✖ 5.0-6.0

2. ✖ 4.0-5.0

3. ✖ 3.0-4.0

4. ✔ 2.0-3.0

Question Number : 110 Question Id : 231098110 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Circles with more than 150 mm radius is drawn with:

Options :

1. ✓ lengthening bar
2. ✗ large sized divider
3. ✗ large sized compass
4. ✗ small bow compass

Question Number : 111 Question Id : 231098111 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Size of an A1 sheet is:

Options :

1. ✗  $841 \times 1189$  mm
2. ✓  $594 \times 841$  mm
3. ✗  $420 \times 594$  mm
4. ✗  $297 \times 420$  mm

Question Number : 112 Question Id : 231098112 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Scale of 1 : 2 is an example of:

Options :

1. ✗ full size scale
2. ✓ reducing scale

3. ✖ enlarging scale

4. ✖ engineer's scale

Question Number : 113 Question Id : 231098113 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

In oblique's projection plane, the faces of object which are perpendicular to the plane of projection are projected in \_\_\_\_\_ shapes.

Options :

1. ✖ oblique

2. ✖ flat

3. ✖ perpendicular

4. ✔ distorted

Question Number : 114 Question Id : 231098114 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Centre line in engineering drawing is shown by:

Options :

1. ✖ firm line

2. ✖ dashed line

3. ✔ dash-dot line

4. ✖ bold continuous line

Question Number : 115 Question Id : 231098115 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

A drawing sheet is so folded that the \_\_\_\_\_ is/are always on the top.

Options :

1. ✓ title block

2. ✗ paper

3. ✗ zones

4. ✗ numerals

Question Number : 116 Question Id : 231098116 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The length of the arrow head in dimensioning should be \_\_\_\_\_ time(s) its maximum width.

Options :

1. ✗ one

2. ✗ two

3. ✓ three

4. ✗ four

Question Number : 117 Question Id : 231098117 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Oblique prisms and pyramids have their axes \_\_\_\_\_ to their bases.

Options :

1. ✓ inclined

2. ✗ perpendicular

3. ✖ parallel

4. ✖ collateral

Question Number : 118 Question Id : 231098118 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

An AutoCAD command which is used for making planar unmeshed surfaces having three or four sides is:

Options :

1. ✖ PFACE command

2. ✖ ELEV command

3. ✖ SHADEMODE command

4. ✔ 3DFACE command

Question Number : 119 Question Id : 231098119 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Drama and eloquence are forms of which art?

Options :

1. ✖ Aesthetic art

2. ✖ Frozen art

3. ✔ Phonetic art

4. ✖ Construction art

Question Number : 120 Question Id : 231098120 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Options :

1. ✓ Unity
2. ✗ Diversity
3. ✗ Strength
4. ✗ Restraint

Question Number : 121 Question Id : 231098121 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical  
Correct Marks : 2 Wrong Marks : 0.66

The bronze statues found in Harappan civilisation were made by:

Options :

1. ✗ steatite technique
2. ✗ wheel made technique
3. ✓ lost wax technique
4. ✗ pinching method

Question Number : 122 Question Id : 231098122 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical  
Correct Marks : 2 Wrong Marks : 0.66

The Toranas of stupas were intricately carved with figures and patterns and were evidence of:

Options :

1. ✗ Gandhara school
2. ✓ Hellenistic influence

4. ✖ Byzantine influence

Question Number : 123 Question Id : 231098123 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

A typical type of painting that evolved in Vijaynagar district of Karnataka where mural paintings were executed on temple walls was:

Options :

1. ✖ Bagh painting

2. ✖ Arnamali painting

3. ✔ Lepakshi painting

4. ✖ Sittanavasal painting

Question Number : 124 Question Id : 231098124 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

A form of art belonging to Bhagalpur region in India, also known as Angika art, is called:

Options :

1. ✖ Kalamkari painting

2. ✔ Manjusa painting

3. ✖ Patikar painting

4. ✖ Kalighat painting

Question Number : 125 Question Id : 231098125 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

The fresco painting of Mother and Child & Apsara is found in which cave of Ajanta?

Options :

1. ✖ Cave I

2. ✖ Cave V

3. ✖ Cave X

4. ✔ Cave XVII

Question Number : 126 Question Id : 231098126 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The giant water reservoir of the Indus Valley Civilisation was excavated at:

Options :

1. ✖ Harappa

2. ✖ Lothal

3. ✔ Dholavira

4. ✖ Rakhigarhi

Question Number : 127 Question Id : 231098127 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Ancient India has five forms of art. They are Harappan art, Mauryan art, Post Mauryan art, South Indian art and:

Options :

1. ✔ Gupta art

2. ✖ Mughal art

Question Number : 128 Question Id : 231098128 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The ancient architecture of West-Asia developed around:

Options :

1. ✖ 1000 BC

2. ✖ 2000 BC

3. ✔ 3000 BC

4. ✖ 4000 BC

Question Number : 129 Question Id : 231098129 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The famous Sanchi Stupa is near:

Options :

1. ✖ Bhubaneswar

2. ✔ Bhopal

3. ✖ Bengaluru

4. ✖ Bhatinda

Question Number : 130 Question Id : 231098130 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Early Indian Temple consist of a \_\_\_\_\_ with a mandapa or open porch

Options :

1. ✖ Gopuram
2. ✖ Natmandir
3. ✖ Bhogmandir
4. ✔ Garbagriha

Question Number : 131 Question Id : 231098131 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Colosseum is so called because of its size and close proximity to the colossal statue of:

Options :

1. ✖ Emperor Flavian
2. ✖ Emperor Vespasian
3. ✔ Emperor Nero
4. ✖ Emperor Caesar

Question Number : 132 Question Id : 231098132 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

In Roman composite order, the height of the column is \_\_\_\_\_ times the diameter.

Options :

1. ✖ 5
2. ✔ 10

3. ✖ 15

4. ✖ 20

Question Number : 133 Question Id : 231098133 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The city of Byzantium, renamed as Constantinople, is today known as:

Options :

1. ✔ Istanbul

2. ✖ Damascus

3. ✖ Greece

4. ✖ Amman

Question Number : 134 Question Id : 231098134 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The Buddhist pillar in Chaitya at Karli has octagonal shaft whose height is:

Options :

1. ✖ twice the diameter of the shaft

2. ✖ two and one fourth times diameter of the shaft

3. ✖ two and half times diameter of the shaft

4. ✔ two and three-fourth times diameter of the shaft

Question Number : 135 Question Id : 231098135 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The Preppin temple at Mount Abu is also known as:

Options :

1. ✓ Lun Vasahi temple
2. ✗ Vimala Vasahi temple
3. ✗ Adinath temple
4. ✗ Neminath temple

Question Number : 136 Question Id : 231098136 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Minimum domestic water consumption for weaker sections and LIG colonies in small Indian towns is:

Options :

1. ✗ 150 lpcd
2. ✓ 135 lpcd
3. ✗ 160 lpcd
4. ✗ 120 lpcd

Question Number : 137 Question Id : 231098137 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

For storage by dams, the design period in years is:

Options :

1. ✓ 50
2. ✗ 40

3. ✖ 30

4. ✖ 20

Question Number : 138 Question Id : 231098138 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Which of the following is NOT a sub-surface source of water?

Options :

1. ✖ Springs

2. ✖ Infiltration galleries

3. ✖ Infiltration well

4. ✔ Ponds and lakes

Question Number : 139 Question Id : 231098139 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

\_\_\_\_\_ are placed along straight length of pipes at suitable interval and also at junctions to control flow of water in different sections.

Options :

1. ✖ Drain valve

2. ✖ Air valve

3. ✔ Sluice valve

4. ✖ Socket valve

Question Number : 140 Question Id : 231098140 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

In rapid gravity filter, coarse sand used has an effective size of:

Options :

1. ✖ 0.1 mm

2. ✖ 0.3 mm

3. ✔ 0.5 mm

4. ✖ 0.7 mm

Question Number : 141 Question Id : 231098141 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Joints which are used in pumping stations and filter plants to occasionally disjoint the pipe is called:

Options :

1. ✔ Flanged joint

2. ✖ Socket joint

3. ✖ Spigot joint

4. ✖ Dresser coupling

Question Number : 142 Question Id : 231098142 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

The maximum daily water demand for a building when added to fire draft for working out total draft is known as:

Options :

1. ✔ coincident draft

2. ✖ peak factor draft

4. ✖ variation draft

Question Number : 143 Question Id : 231098143 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

A hydrograph is a plot between:

Options :

1. ✖ accumulated flow vs time

2. ✖ accumulation vs time

3. ✔ discharge vs time

4. ✖ overflow vs time

Question Number : 144 Question Id : 231098144 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Sky condition is usually described in terms of presence or absence of:

Options :

1. ✔ clouds

2. ✖ wind

3. ✖ sun

4. ✖ rain

Question Number : 145 Question Id : 231098145 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Prepp is measured by:

Options :

1. ✖ atmospheric pressure
2. ✖ driving rain index
3. ✖ hydrograph
4. ✔ rain gauge

Question Number : 146 Question Id : 231098146 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

Heat production of vegetative automotive processes is called:

Options :

1. ✖ vegetative metabolism
2. ✖ muscular metabolism
3. ✔ basal metabolism
4. ✖ regulatory metabolism

Question Number : 147 Question Id : 231098147 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

In orientation of building, a wind incidence of 45 degree will reduce wind pressure by:

Options :

1. ✔ 50%
2. ✖ 40%

3. ✖ 30%

4. ✖ 20%

Question Number : 148 Question Id : 231098148 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

A source of 'L' candela emits a total flux of \_\_\_\_\_ lumen.

Options :

1. ✖  $2\pi L$ 2. ✔  $4\pi L$ 3. ✖  $6\pi L$ 4. ✖  $8\pi L$ 

Question Number : 149 Question Id : 231098149 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

An octave difference between two sounds means:

Options :

1. ✖ keeping frequency low

2. ✖ keeping frequency constant

3. ✔ doubling of frequency

4. ✖ tripling of frequency

Question Number : 150 Question Id : 231098150 Question Type : MCQ Option Shuffling : Yes Negative Marks Display Text : 2/3  
Option Orientation : Vertical

Correct Marks : 2 Wrong Marks : 0.66

www.prepp.in Thermal Stress developed by Givoni is the calculated cooling rate produced \_\_\_\_\_ which would maintain thermal balance under given conditions.

Options :

1. ✖ due to strong wind

2. ✖ by precipitation

3. ✖ by cold

4. ✔ by sweating