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Participant ID	
Participant Name	
Test Center Name	
Test Date	20/09/2023
Test Time	8:30 AM - 10:30 AM
Subject	Technical Assistant Civil

Section : Technical Assistant Civil

Q.1 The material in which large deformation is possible before rupture is termed as _____

- A. Elastic
- B. Brittle
- C. Plastic
- D. Ductile

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602040
Option 1 ID : 9941608157
Option 2 ID : 9941608158
Option 3 ID : 9941608159
Option 4 ID : 9941608160
Status : Answered
Chosen Option : 4

Q.2 Hoop stress is _____

- A. Tangential stress
- B. Longitudinal stress
- C. Radial stress
- D. None of the above

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601985
Option 1 ID : 9941607937
Option 2 ID : 9941607938
Option 3 ID : 9941607939
Option 4 ID : 9941607940
Status : Answered
Chosen Option : 3

Q.3 Poise is the unit of _____

- A. Surface tension
- B. Capillarity
- C. Viscosity
- D. Shearstress in fluids

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602027

Option 1 ID : 9941608105

Option 2 ID : 9941608106

Option 3 ID : 9941608107

Option 4 ID : 9941608108

Status : Answered

Chosen Option : 3

Q.4 Specific surface area of 43 grade ordinary Portland cement should not be less than?

- A. 225 sq.m/kg
- B. 2000 sq.cm/g
- C. 2500 sq.cm/g
- D. 2250 sq.m/kg

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601974

Option 1 ID : 9941607893

Option 2 ID : 9941607894

Option 3 ID : 9941607895

Option 4 ID : 9941607896

Status : Answered

Chosen Option : 4



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Q.5 Which of the following pipe fittings provide a deviation of 90° in the pipe work system?

- A. Elbow
- B. Tee branch
- C. Eccentric reducer
- D. Plug

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602021
Option 1 ID : 9941608081
Option 2 ID : 9941608082
Option 3 ID : 9941608083
Option 4 ID : 9941608084
Status : Answered
Chosen Option : 2

Q.6 The minimum diameter of longitudinal reinforcement in a column as per IS 456-2000 is _____

- A. 10mm
- B. 12mm
- C. 16mm
- D. 8mm

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602005
Option 1 ID : 9941608017
Option 2 ID : 9941608018
Option 3 ID : 9941608019
Option 4 ID : 9941608020
Status : Answered
Chosen Option : 2



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Q.7 . Long wall –Short wall method is also called as _____

- A. Single wall method
- B. General method
- C. Separate or Individual wall method
- D. Centre line method

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601997
Option 1 ID : 9941607985
Option 2 ID : 9941607986
Option 3 ID : 9941607987
Option 4 ID : 9941607988
Status : Answered
Chosen Option : 3

Q.8 Which of the following is fundamental quantity _____

- A. Mass
- B. Time
- C. Length
- D. All of the above

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601979
Option 1 ID : 9941607913
Option 2 ID : 9941607914
Option 3 ID : 9941607915
Option 4 ID : 9941607916
Status : Answered
Chosen Option : 4



Q.9 In an orifice the coefficient of contraction is defined as the ratio of _____

- A. Theoretical velocity to area of jet at vena-contracta
- B. Area of orifice to area of jet at vena-contracta
- C. Velocity of jet at vena-contracta to area of orifice
- D. Area of jet at vena-contracta to area of orifice

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602029

Option 1 ID : 9941608113

Option 2 ID : 9941608114

Option 3 ID : 9941608115

Option 4 ID : 9941608116

Status : Answered

Chosen Option : 4

Q.10

For a simply supported beam of span 5m, width $b=300\text{mm}$ and effective depth $d = 500\text{mm}$, carrying a factored uniformly distributed load 10kN/m (Including self weight). The nominal shear stress developed is _____

- A. 0.167 N/mm^2
- B. 0.471 N/mm^2
- C. 0.330 N/mm^2
- D. 0.263 N/mm^2

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602013

Option 1 ID : 9941608049

Option 2 ID : 9941608050

Option 3 ID : 9941608051

Option 4 ID : 9941608052

Status : Answered

Chosen Option : 3



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Q.11 As per IS 10500-2012, for drinking water in absence of alternate source of water, the permissible limits for chlorides and sulphates in mg/l respectively are _____

- A. 250 & 200
- B. 1000 & 400
- C. 200 & 250
- D. 500 & 1000

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602039
Option 1 ID : 9941608153
Option 2 ID : 9941608154
Option 3 ID : 9941608155
Option 4 ID : 9941608156
Status : Answered
Chosen Option : 2

Q.12 The maximum bending moment in a cantilever beam of span L, subjected to a concentrated load P at free is _____

- A. PL
- B. PL/8
- C. PL/4
- D. PL/12

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601983
Option 1 ID : 9941607929
Option 2 ID : 9941607930
Option 3 ID : 9941607931
Option 4 ID : 9941607932
Status : Answered
Chosen Option : 4



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Q.13 In water bound macadam roads, binding material is _____

- A. Brick dust
- B. Cement
- C. Sand
- D. Stone dust

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602022

Option 1 ID : 9941608085

Option 2 ID : 9941608086

Option 3 ID : 9941608087

Option 4 ID : 9941608088

Status : Answered

Chosen Option : 2

Q.14 दिन में अधिकतम प्रकाश के लिए कमरे की खिड़की को किस दिशा में स्थापित करना चाहिए?

- a) उत्तरी दिशा
- b) दक्षिणी दिशा
- c) पश्चिमी दिशा
- d) पूर्वी दिशा

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)



Question ID : 9941601972

Option 1 ID : 9941607885

Option 2 ID : 9941607886

Option 3 ID : 9941607887

Option 4 ID : 9941607888

Status : Answered

Chosen Option : 3

Q.15 Francis, Kaplan and Propeller turbines fall under the category of _____

- A. Impulse turbines
- B. Reaction turbines
- C. Axial flow turbines
- D. Mixed flow turbines

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602028
Option 1 ID : 9941608109
Option 2 ID : 9941608110
Option 3 ID : 9941608111
Option 4 ID : 9941608112
Status : Answered
Chosen Option : 2

Q.16 The forces acting on the web splice of a plate girder are _____

- A. Axial force
- B. Shear and Axial forces
- C. Shear and Bending forces
- D. Axial and Bending forces

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602037
Option 1 ID : 9941608145
Option 2 ID : 9941608146
Option 3 ID : 9941608147
Option 4 ID : 9941608148
Status : Answered
Chosen Option : 2



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Q.17 The point through which the whole weight of the body acts is called _____

- A. Centre
- B. Weight
- C. Centre of gravity
- D. Gravity

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601980
Option 1 ID : 9941607917
Option 2 ID : 9941607918
Option 3 ID : 9941607919
Option 4 ID : 9941607920
Status : Answered
Chosen Option : 3

Q.18 Use of Finer cement particles leads to?

- A. Less cement strength
- B. Increased surface area for hydration
- C. Inconsistent cement slurry
- D. Reduced surface fro hydration

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)



Question ID : 9941602008
Option 1 ID : 9941608029
Option 2 ID : 9941608030
Option 3 ID : 9941608031
Option 4 ID : 9941608032
Status : Answered
Chosen Option : 2

Q.19 Code used to determine the Live load in a building?

- A. IS 875 (Part 1)
- B. IS 875 (Part 2)
- C. IS 875 (Part 3)
- D. IS 456

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602006
Option 1 ID : 9941608021
Option 2 ID : 9941608022
Option 3 ID : 9941608023
Option 4 ID : 9941608024
Status : Answered
Chosen Option : 2

Q.20 The radius of a bar bend to form a hook, should not be less than _____
Where d is the diameter of bar

- A. Twice the diameter of bar or $2d$
- B. Thrice the diameter of bar or $3d$
- C. Four times the diameter of bar or $4d$
- D. Five times the diameter of bar or $5d$

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)



Question ID : 9941602015
Option 1 ID : 9941608057
Option 2 ID : 9941608058
Option 3 ID : 9941608059
Option 4 ID : 9941608060
Status : Answered
Chosen Option : 3

Q.21 The lateral earth pressure exerted by the soil when the retaining wall moves into the soil, is called_____

- A. Active earth pressure
- B. Earth pressure at rest
- C. Passive earth pressure
- D. Total earth pressure

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601991
Option 1 ID : 9941607961
Option 2 ID : 9941607962
Option 3 ID : 9941607963
Option 4 ID : 9941607964
Status : Answered
Chosen Option : 3

Q.22 .In an RCC beam side face reinforcement is provided if depth of the web exceeds _____

- A. 750mm
- B. 500mm
- C. 700mm
- D. 300mm

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602003
Option 1 ID : 9941608009
Option 2 ID : 9941608010
Option 3 ID : 9941608011
Option 4 ID : 9941608012
Status : Answered
Chosen Option : 1



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Q.23 The Main Principle of Surveying is to work _____

- A. from Part to the Whole
- B. from Whole to the Part
- C. from Higher level to the Lower level
- D. from Lower level to the Higher level

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601963
Option 1 ID : 9941607849
Option 2 ID : 9941607850
Option 3 ID : 9941607851
Option 4 ID : 9941607852
Status : Answered
Chosen Option : 2

Q.24 As per IS 456-2000, the minimum no. of cube samples to be casted for 28 days testing for a 90cum concrete quantity?

- A. 2
- B. 3
- C. 4
- D. 5

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)



Question ID : 9941602033
Option 1 ID : 9941608129
Option 2 ID : 9941608130
Option 3 ID : 9941608131
Option 4 ID : 9941608132
Status : Answered
Chosen Option : 2

Q.25

The hydraulic mean depth of a circular sewer of internal diameter 100cm, running in fully occupied cross section is given by _____

- A. 100 cm
- B. 25 cm
- C. 50 cm
- D. 75 cm

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602026

Option 1 ID : 9941608101

Option 2 ID : 9941608102

Option 3 ID : 9941608103

Option 4 ID : 9941608104

Status : Answered

Chosen Option : 2

Q.26

In a Quadrantal system, the bearing of a line is measured _____

- A. Clock wise or Anti-clock wise from the east or west whichever is nearer the line towards north or south
- B. Clock wise or Anti-clock wise from the north or south whichever is nearer the line towards east or west
- C. Always clock wise from the south point of the reference meridian towards the line right round the circle
- D. None of the above

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601967

Option 1 ID : 9941607865

Option 2 ID : 9941607866

Option 3 ID : 9941607867

Option 4 ID : 9941607868

Status : Answered

Chosen Option : 2

Q.27

Granite is an example of _____

- A. Sedimentary rocks
- B. Aqueous rocks
- C. Igneous rocks
- D. Metamorphic rocks

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601975

Option 1 ID : 9941607897

Option 2 ID : 9941607898

Option 3 ID : 9941607899

Option 4 ID : 9941607900

Status : Answered

Chosen Option : 3

Q.28

The Void ratio of a soil is defined as the ratio of the _____

- A. Total volume of voids to the volume of soil solids
- B. Total volume of voids to the total volume of water
- C. Volume of water to the volume of voids in the soil mass
- D. Weight of water to weight of solids

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601988

Option 1 ID : 9941607949

Option 2 ID : 9941607950

Option 3 ID : 9941607951

Option 4 ID : 9941607952

Status : Answered

Chosen Option : 1



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Q.29

A cantilever beam of length L is subjected to a couple M at its mid span. Determine the shear forces at quarter span from the (i) Free end & (ii) Fixed end?

- A. (i) M/L & (ii) M/L
- B. (i) $M/2L$ & (ii) $M/2L$
- C. (i) Zero & (ii) Zero
- D. (i) Zero & (ii) $M/2L$

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601987

Option 1 ID : 9941607945

Option 2 ID : 9941607946

Option 3 ID : 9941607947

Option 4 ID : 9941607948

Status : Answered

Chosen Option : 4

Q.30

For a simply supported beam with a central load, the Bending Moment is _____

- A. Least at the centre
- B. Maximum at the centre
- C. Least at the supports
- D. Maximum at the supports

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601981

Option 1 ID : 9941607921

Option 2 ID : 9941607922

Option 3 ID : 9941607923

Option 4 ID : 9941607924

Status : Answered

Chosen Option : 2



Q.31

Maximum bending moment in a simply supported beam subjected to a concentrated load occurs at _____

- A. One of the supports
- B. At load location
- C. At the 1/3 of the span
- D. At both supports

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602032

Option 1 ID : 9941608125

Option 2 ID : 9941608126

Option 3 ID : 9941608127

Option 4 ID : 9941608128

Status : Answered

Chosen Option : 3

Q.32

The formwork is measured in _____

- A. m^3
- B. m^2
- C. Rmt
- D. Kg

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601996

Option 1 ID : 9941607981

Option 2 ID : 9941607982

Option 3 ID : 9941607983

Option 4 ID : 9941607984

Status : Answered

Chosen Option : 2



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Q.33

. In stress block diagram for a rectangular section of singly reinforced beam in limit state method, the centroid of compressive force lies at a distance of _____ from the extreme compressive fiber.

Where X_u = Depth of Neutral Axis

- A. $0.50 X_u$
- B. $0.42 X_u$
- C. $0.36 X_u$
- D. $0.45 X_u$

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602010

Option 1 ID : 9941608037

Option 2 ID : 9941608038

Option 3 ID : 9941608039

Option 4 ID : 9941608040

Status : Answered

Chosen Option : 2

Q.34

As per IS 456 splicing shall not be used for bars larger than _____ dia.

- A. 32mm
- B. 36mm
- C. 25mm
- D. 28mm

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)



Question ID : 9941602030

Option 1 ID : 9941608117

Option 2 ID : 9941608118

Option 3 ID : 9941608119

Option 4 ID : 9941608120

Status : Answered

Chosen Option : 2

Q.35 The Inspection pit or chamber in a manhole provided in a base drainage system

- A. At every change in direction
- B. At every change of gradient
- C. At every 30m interval
- D. All of the above

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601999
Option 1 ID : 9941607993
Option 2 ID : 9941607994
Option 3 ID : 9941607995
Option 4 ID : 9941607996
Status : Answered
Chosen Option : 4

Q.36 A 30m metric chain is found to be 0.05 m too short throughout the measurement, If the distance measured is recorded as 300 m then the actual distance will be

- A. 310.50 m
- B. 299.50 m
- C. 300.50 m
- D. 301.50 m

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602036
Option 1 ID : 9941608141
Option 2 ID : 9941608142
Option 3 ID : 9941608143
Option 4 ID : 9941608144
Status : Answered
Chosen Option : 2



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Q.37 Vicat's apparatus is used to determine the _____

- A. Normal consistency of cement
- B. Initial setting of cement
- C. Final setting time of cement
- D. All of the above

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601971
Option 1 ID : 9941607881
Option 2 ID : 9941607882
Option 3 ID : 9941607883
Option 4 ID : 9941607884
Status : Answered
Chosen Option : 4

Q.38 If the True Bearing of a line is $34^{\circ} 20'$ and declination is $2^{\circ} 20'$ W, then the
Magnetic bearing is _____

- A. $36^{\circ} 40'$
- B. $34^{\circ} 20'$
- C. $32^{\circ} 40'$
- D. 32°

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)



Question ID : 9941601966
Option 1 ID : 9941607861
Option 2 ID : 9941607862
Option 3 ID : 9941607863
Option 4 ID : 9941607864
Status : Answered
Chosen Option : 4

Q.39

Bulk density of a soil is defined as the ratio of _____

- A. Unit weight of solids to unit weight of water
- B. Weight of solid grains to the volume of solids
- C. Total mass of soil to the total volume of soil
- D. Weight of water to weight of solids

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601989
Option 1 ID : 9941607953
Option 2 ID : 9941607954
Option 3 ID : 9941607955
Option 4 ID : 9941607956
Status : Answered
Chosen Option : 2

Q.40

As per IS 800-1984, the maximum deflection for a simply supported beam should not exceed _____

- A. $1/325$ of span
- B. $1/525$ of span
- C. $1/225$ of span
- D. None of the above

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602019
Option 1 ID : 9941608073
Option 2 ID : 9941608074
Option 3 ID : 9941608075
Option 4 ID : 9941608076
Status : Answered
Chosen Option : 1



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Q.41

Which of the following is not a method for estimating deflection in beams?

- A. Double Integration method
- B. Macaulay's method
- C. Moment area method
- D. Mohr's circle method

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601982

Option 1 ID : 9941607925

Option 2 ID : 9941607926

Option 3 ID : 9941607927

Option 4 ID : 9941607928

Status : Answered

Chosen Option : 4

Q.42

A simply supported beam shall be deemed to be deep beam, when the ratio of the effective span to the overall depth _____

- A. Is less than 2
- B. Is greater than 2
- C. Is greater than 2.5
- D. Is less than 2.5

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602012

Option 1 ID : 9941608045

Option 2 ID : 9941608046

Option 3 ID : 9941608047

Option 4 ID : 9941608048

Status : Answered

Chosen Option : 1



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Q.43

The correct order of booking dimension is _____

- A. Length x Breadth x Height
- B. Length x Height x Breadth
- C. Height x Breadth x Length
- D. None of the Above

Ans 1. (a)

2. (b)

3. (c)

4. (d)

Question ID : 9941601995

Option 1 ID : 9941607977

Option 2 ID : 9941607978

Option 3 ID : 9941607979

Option 4 ID : 9941607980

Status : Answered

Chosen Option : 1

Q.44

Imaginary line on the ground joining points of equal elevation is called _____

- A. Base Line
- B. Datum Line
- C. Level Line
- D. Contour Line

Ans 1. (a)

2. (b)

3. (c)

4. (d)

Question ID : 9941601962

Option 1 ID : 9941607845

Option 2 ID : 9941607846

Option 3 ID : 9941607847

Option 4 ID : 9941607848

Status : Answered

Chosen Option : 4



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Q.45

For an Isotropic homogenous body, the ratio of lateral strain to axial strain is called as?

- A. Modulus of Elasticity
- B. Plasticity Index
- C. Poisson's ratio
- D. Yield value

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602035

Option 1 ID : 9941608137

Option 2 ID : 9941608138

Option 3 ID : 9941608139

Option 4 ID : 9941608140

Status : Answered

Chosen Option : 3

Q.46

Which of the following tools is used for checking the verticality of masonry walls?

- A. Water level
- B. Spirit level
- C. Trowel
- D. Plumb bob

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601968

Option 1 ID : 9941607869

Option 2 ID : 9941607870

Option 3 ID : 9941607871

Option 4 ID : 9941607872

Status : Answered

Chosen Option : 4



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Q.47

The width of carriage way for a single lane is recommended to be _____

- A. 6.50m
- B. 5.50m
- C. 7.75m
- D. 3.75m

- Ans
- 1. (a)
 - 2. (b)
 - 3. (c)
 - 4. (d)

Question ID : 9941602020

Option 1 ID : 9941608077

Option 2 ID : 9941608078

Option 3 ID : 9941608079

Option 4 ID : 9941608080

Status : Answered

Chosen Option : 4

Q.48

.Which of the following treatments is used to make a building and its contents termite proof?

- A. Plastering
- B. White washing
- C. Anti termite treatment
- D. All of the above

- Ans
- 1. (a)
 - 2. (b)
 - 3. (c)
 - 4. (d)

Question ID : 9941601969

Option 1 ID : 9941607873

Option 2 ID : 9941607874

Option 3 ID : 9941607875

Option 4 ID : 9941607876

Status : Answered

Chosen Option : 3



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Q.49

The unit weight of a soil sample is 20.00 kN/m^3 and the water content is 18%, the dry density of the soil sample is _____

- A. 21.18 kN/m^3
- B. 16.94 kN/m^3
- C. 11.12 kN/m^3
- D. 11.89 kN/m^3

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601994

Option 1 ID : 9941607973

Option 2 ID : 9941607974

Option 3 ID : 9941607975

Option 4 ID : 9941607976

Status : Answered

Chosen Option : 2

Q.50

The IS code used for detailing reinforced concrete structures _____

- A. SP34
- B. SP16
- C. IS 456
- D. IS 800

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602011

Option 1 ID : 9941608041

Option 2 ID : 9941608042

Option 3 ID : 9941608043

Option 4 ID : 9941608044

Status : Answered

Chosen Option : 3



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Q.51 The minimum average compressive strength of common burnt clay bricks shall not less than _____

- A. 3.50 kg/mm²
- B. 3.50 N/mm²
- C. 10.00 N/mm²
- D. 7.50 N/mm²

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601976
Option 1 ID : 9941607901
Option 2 ID : 9941607902
Option 3 ID : 9941607903
Option 4 ID : 9941607904
Status : Answered
Chosen Option : 2

Q.52 The IS code used for estimating / calculating design wind loads for buildings and structures _____

- A. IS 875 (Part 1)
- B. IS 875 (Part 2)
- C. IS 875 (Part 3)
- D. SP34

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602014
Option 1 ID : 9941608053
Option 2 ID : 9941608054
Option 3 ID : 9941608055
Option 4 ID : 9941608056
Status : Answered
Chosen Option : 3



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Q.53

Rivets are specified by its _____

- A. Shank diameter
- B. Head diameter
- C. Length
- D. Material made of

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602016

Option 1 ID : 9941608061

Option 2 ID : 9941608062

Option 3 ID : 9941608063

Option 4 ID : 9941608064

Status : Answered

Chosen Option : 1

Q.54

The maximum deflection of a cantilever beam of length L due to pure bending moment M at its free end is _____

- A. $ML^2/2EI$
- B. $ML^2/4EI$
- C. $ML^2/6EI$
- D. $ML^2/3EI$

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)



Question ID : 9941601986

Option 1 ID : 9941607941

Option 2 ID : 9941607942

Option 3 ID : 9941607943

Option 4 ID : 9941607944

Status : Answered

Chosen Option : 1

Q.55 The IS code used for estimating / calculating design Snow loads for buildings and structures _____

- A. IS 875 (Part 1)
- B. IS 875 (Part 2)
- C. IS 875 (Part 3)
- D. IS 875 (Part 4)

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602034
Option 1 ID : 9941608133
Option 2 ID : 9941608134
Option 3 ID : 9941608135
Option 4 ID : 9941608136
Status : Answered
Chosen Option : 3

Q.56 When the consistency index is zero, then the soil mass is at its _____

- A. Liquid limit
- B. Semi-solid state
- C. Plastic limit
- D. Elastic limit

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601990
Option 1 ID : 9941607957
Option 2 ID : 9941607958
Option 3 ID : 9941607959
Option 4 ID : 9941607960
Status : Answered
Chosen Option : 1



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Q.57 Removal of oil and grease from sewage is known as _____

- A. Skimming
- B. Screening
- C. Filtration
- D. None of the above

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602023
Option 1 ID : 9941608089
Option 2 ID : 9941608090
Option 3 ID : 9941608091
Option 4 ID : 9941608092
Status : Answered
Chosen Option : 1

Q.58 The most Important line in a Survey is _____

- A. Check Line
- B. Base Line
- C. Proof Line
- D. Tie Line

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601964
Option 1 ID : 9941607853
Option 2 ID : 9941607854
Option 3 ID : 9941607855
Option 4 ID : 9941607856
Status : Answered
Chosen Option : 2



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Q.59

The Ideal form of the curve for the summit curve is?

- A. Spiral
- B. Parabola
- C. Circular
- D. Lemniscale

- Ans
- 1. (a)
 - 2. (b)
 - 3. (c)
 - 4. (d)

Question ID : 9941602025
Option 1 ID : 9941608097
Option 2 ID : 9941608098
Option 3 ID : 9941608099
Option 4 ID : 9941608100
Status : Answered
Chosen Option : 2

Q.60

The Instrument used for setting out an offset at a right angle is called _____

- A. French cross staff
- B. Open cross staff
- C. Adjustable cross staff
- D. All of the above

- Ans
- 1. (a)
 - 2. (b)
 - 3. (c)
 - 4. (d)

Question ID : 9941601961
Option 1 ID : 9941607841
Option 2 ID : 9941607842
Option 3 ID : 9941607843
Option 4 ID : 9941607844
Status : Answered
Chosen Option : 4



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Q.61

.As per IS 800-1984, the allowable bending stress of steel member is _____

- A. $0.66 f_y$
- B. $0.6 f_y$
- C. $0.45 f_y$
- D. f_y

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602017
Option 1 ID : 9941608065
Option 2 ID : 9941608066
Option 3 ID : 9941608067
Option 4 ID : 9941608068
Status : Answered
Chosen Option : 2

Q.62

Which of the following is not a type of Contract?

- A. Lump-sum
- B. Item rate
- C. EPC
- D. Running Item

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)



Question ID : 9941602001
Option 1 ID : 9941608001
Option 2 ID : 9941608002
Option 3 ID : 9941608003
Option 4 ID : 9941608004
Status : Answered
Chosen Option : 3

Q.63 The ratio of cement-sand mortar preferred in Load bearing wall construction is

- _____
- A. 1:2
 - B. 1:6
 - C. 1:8
 - D. 1:12

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601978
Option 1 ID : 9941607909
Option 2 ID : 9941607910
Option 3 ID : 9941607911
Option 4 ID : 9941607912
Status : Answered
Chosen Option : 2

Q.64 Soundness test of cement determines_____

- A. Ultimate strength
- B. Initial setting time
- C. Quality of free lime
- D. Durability

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602007
Option 1 ID : 9941608025
Option 2 ID : 9941608026
Option 3 ID : 9941608027
Option 4 ID : 9941608028
Status : Answered
Chosen Option : 3



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Q.65 A structural member subjected to axial compressive only is _____

- A. Column
- B. Beam
- C. Strut
- D. Hook

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601984
Option 1 ID : 9941607933
Option 2 ID : 9941607934
Option 3 ID : 9941607935
Option 4 ID : 9941607936
Status : Answered
Chosen Option : 3

Q.66 When the fine aggregate is moist, volume batching is not considered as good method for proportioning because of the _____

- A. Irregular grain particles
- B. Specific gravity
- C. Fineness modulus
- D. Bulking of sand

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602002
Option 1 ID : 9941608005
Option 2 ID : 9941608006
Option 3 ID : 9941608007
Option 4 ID : 9941608008
Status : Answered
Chosen Option : 4



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Q.67

Quick sand is a _____

- A. Condition which occurs in coarse sands
- B. Condition in which a cohesion less soils loses all its strength because of upward flow of water
- C. Moist sand containing small particles
- D. None of the above

- Ans
- 1. (a)
 - 2. (b)
 - 3. (c)
 - 4. (d)

Question ID : 9941601993

Option 1 ID : 9941607969

Option 2 ID : 9941607970

Option 3 ID : 9941607971

Option 4 ID : 9941607972

Status : Answered

Chosen Option : 2

Q.68

A Short axially loaded square column 500mm x 500mm is subjected to service load of 2000 kN. Calculate the Design load and minimum area of longitudinal reinforcement as per IS 456-2000?

- A. 1000 kN & 1250 mm²
- B. 2000 kN & 2500 mm²
- C. 3000 kN & 2000 mm²
- D. 4000 kN & 3750 mm²

- Ans
- 1. (a)
 - 2. (b)
 - 3. (c)
 - 4. (d)

Question ID : 9941602004

Option 1 ID : 9941608013

Option 2 ID : 9941608014

Option 3 ID : 9941608015

Option 4 ID : 9941608016

Status : Answered

Chosen Option : 3

Q.69 The process of maintaining or improving the performance of a soil as a constructional material, usually by the use of admixtures, is known as _____

- A. Soil compaction
- B. Soil stabilization
- C. Consolidation
- D. Soil exploration

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601992
Option 1 ID : 9941607965
Option 2 ID : 9941607966
Option 3 ID : 9941607967
Option 4 ID : 9941607968
Status : Answered
Chosen Option : 2

Q.70 Pipes for water supply are tested for _____

- A. Pressure
- B. Dimensions
- C. Leakage
- D. All of the above

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601970
Option 1 ID : 9941607877
Option 2 ID : 9941607878
Option 3 ID : 9941607879
Option 4 ID : 9941607880
Status : Answered
Chosen Option : 4



Q.71 The gas which is mainly responsible for explosion of sewers is _____

- A. Ethane
- B. Methane
- C. Ammonia
- D. Carbon Monoxide

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602024
Option 1 ID : 9941608093
Option 2 ID : 9941608094
Option 3 ID : 9941608095
Option 4 ID : 9941608096
Status : Answered
Chosen Option : 2

Q.72 What is the weight of one meter length, 12mm diameter reinforcement bar as per IS:1786 ?

- A. 0.80 kg
- B. 0.89 kg
- C. 1.10 kg
- D. 1.40 kg

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)



Question ID : 9941601998
Option 1 ID : 9941607989
Option 2 ID : 9941607990
Option 3 ID : 9941607991
Option 4 ID : 9941607992
Status : Answered
Chosen Option : 2

Q.73 Approximate ratio between the strengths of cement concrete at 7 days and 28 days is _____

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

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602031
Option 1 ID : 9941608121
Option 2 ID : 9941608122
Option 3 ID : 9941608123
Option 4 ID : 9941608124
Status : Answered
Chosen Option : 3

Q.74 Quick lime is a _____

- A. Oxide of calcium
- B. Product left immediately after the calcination of pure lime stone
- C. Lime quickly treated with water
- D. Carbonate of lime

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)



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Question ID : 9941601977
Option 1 ID : 9941607905
Option 2 ID : 9941607906
Option 3 ID : 9941607907
Option 4 ID : 9941607908
Status : Answered
Chosen Option : 1

Q.75

Slenderness ratio of the column will be _____

Where l = Effective length & r = radius of gyration

- A. l/r
- B. $l \cdot r$
- C. $(l+r)^2$
- D. $\text{Sqrt}(l/r)$

- Ans
- 1. (a)
 - 2. (b)
 - 3. (c)
 - 4. (d)

Question ID : 9941602018

Option 1 ID : 9941608069

Option 2 ID : 9941608070

Option 3 ID : 9941608071

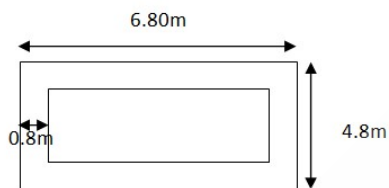
Option 4 ID : 9941608072

Status : Answered

Chosen Option : 4

Q.76

Referring to given figure, pick up the correct statement from the following



- A. The total length of centre line of four walls is 20m
- B. Length of long wall out to out is 6.8m
- C. Length of short wall in to in is 3.2m
- D. All of the above

- Ans
- 1. (a)
 - 2. (b)
 - 3. (c)
 - 4. (d)

Question ID : 9941602000

Option 1 ID : 9941607997

Option 2 ID : 9941607998

Option 3 ID : 9941607999

Option 4 ID : 9941608000

Status : Answered

Chosen Option : 4

Q.77 An Instrument used for measuring Horizontal and Vertical angles is _____

- A. Dumpy Level
- B. Theodilite
- C. Compass
- D. Both A & B

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602038
Option 1 ID : 9941608149
Option 2 ID : 9941608150
Option 3 ID : 9941608151
Option 4 ID : 9941608152
Status : Answered
Chosen Option : 2

Q.78 A Primary coat of painting work is given to steel surfaces with _____

- A. Drier only
- B. Putty
- C. Red oxide
- D. Oxide of Iron

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601973
Option 1 ID : 9941607889
Option 2 ID : 9941607890
Option 3 ID : 9941607891
Option 4 ID : 9941607892
Status : Answered
Chosen Option : 4



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Q.79

A doubly reinforced section is used when _____

- A. Additional safety is needed
- B. Beam has to resist high bending moment
- C. Size of beam is restricted
- D. Beam has to resist tension at top & bottom face

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941602009

Option 1 ID : 9941608033

Option 2 ID : 9941608034

Option 3 ID : 9941608035

Option 4 ID : 9941608036

Status : Answered

Chosen Option : 3

Q.80

The error in measured length due to sag of chain or tape is known as _____

- A. Compensating error
- B. Positive error
- C. Negative error
- D. Instrumental error

Ans 1. (a)
 2. (b)
 3. (c)
 4. (d)

Question ID : 9941601965

Option 1 ID : 9941607857

Option 2 ID : 9941607858

Option 3 ID : 9941607859

Option 4 ID : 9941607860

Status : Answered

Chosen Option : 2



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