WITH CIE 2023 FREVIOUS FEAR QUESTIONS
Question: Which of the following formulae represent the volume of concrete needed for a Rectangular footing?
L = Length
B = Breadth
H = Height
(a) L + B + H
(b) L - B × H
(c) L - B + H
(d) $L \times B \times H$
Answer: d
Solution:
Question: Read the following statements about Moment distribution method.
A. Statically determinate beams are analysed using this method.
B. Fixed end moments are calculated.
Identify the INCORRECT statement/statements.
(a) Neither A nor B
(b) Only B
(c) Both A and B
(d) Only A
Answer: d
solution: CIVII Engineering
Question: Read the following statements about the layout of Head Diversion works.
A. The material of construction such as stone, sand, etc. should be available in the vicinity of the site.
B. The site should be accessible by road.
Identify the INCORRECT statement.
(a) Both A and B
(b) Neither A nor B
(c) Only A
(d) Only B

Answer: b

Solution:

Question: Which of the following index properties of soil is the measure of shear strength of soil at the plastic limit?
(a) Flow index
(b) Toughness index
(c) Consistency index
(d) Plasticity index
Answer: b
Solution:
Question: Which of the following pollutant of air is produced in the manufacturing of phosphate fertilizers?
(a) Carbon Monoxide
(b) Hydrogen Fluoride
(c) Oxides of Nitrogen
(d) Hydrogen Sulphide
Answer: b
Solution:
Question: In which of the parts of a gravity dam is the water pressure maximum?
(a) Heel
(b) Downstream side
(c) Upstream side
(d) Toe Civil Engineering
Answer: a
Solution:
Question: Which of the following is NOT a secondary air pollutant?
(a) Halogens
(b) Acid mists
(c) Ozone
(d) Photochemical smog
Answer: a
Solution:

Question: In which of the Concreting operations are the air bubbles eliminated from the freshly

placed concrete?

(a) Batching
(b) Curing
(c) Transportation
(d) Compaction
Answer: d
Solution:
Question: In which of the following buildings is the Plinth Area Method NOT used?
(a) Hospitals
(b) Garbage shaft
(c) Office buildings
(d) School buildings
Answer: b
Solution:
Question: Which of the following types of curves plays an important role in the double deflection method?
(a) Transition curve
(b) Circular curve
(c) Plastic curve
(d) Elastic curve
Answer: d
Solution: CIVIL ENGINEERING
Question: Which of the following is NOT a Mechanical property of Construction materials?
(a) Strength
(b) Plasticity
(c) Creep
(d) Durability
Answer: d
Solution:
Question: Which of the following types of dams are constructed for flood control?
(a) Detention dams
(b) Debris dams

(c) Diversion dams			
(d) Storage dams			
Answer: a			
Solution:			
Question: Which of the f	ollowing rang	ges of noise in	ntensity causes permanent ear damage?
(a) 30			
(b) 100			
(c) 10			
(d) 180			
Answer: d			
Solution:			
Question: Which of the formula power?	ollowing sele	ction propert	ies of Construction materials means handling
(a) Ductility			
(b) Workability			
(c) Strength			
(d) Cost			
Answer: b			
Solution:			
			used in construction of runways?
(a) OPC 33		ingi	neering /
(b) OPC 63			
(c) OPC 43			
(d) OPC 53			
Answer: d			
Solution:			
Question: Which of the f	ollowing part	icles are coar	ser than Gravel?
(a) Clay			
(b) Sand			
(c) Cobble			
(d) Silt			

Answer: c
Solution:
Question: Read the following statements about Bernoulli's equation.
A. The equation explains that, if an increase in the speed of a fluid occurs, there will be a decrease in static pressure or a decrease in the fluid's potential energy.
B. For flow inside horizontal pipes, where elevation head z is constant; the velocity increase will cause a decrease in pressure.
Which of the following are CORRECT?
(a) Neither A nor B
(b) Only B
(c) Both A and B
(d) Only A
Answer: c
Solution:
Question: Which of the following is NOT a use of contour interval?
(a) When a small area is to be mapped in small piece of paper contour intervals are used.
(b) Earthwork estimations for any type of structure like bridges, dams or roads can be found out with the help of contour intervals in a map.
(c) When a large area is to be mapped in small piece of paper contour intervals are used.
(d) In a large map, index contour lines are less to keep it simple to read the map easily.
Answer: a Civil English Option
Solution:
Question: Which of the following types of solid wastes are generated from Single and multifamily dwellings?
(a) Industrial
(b) Commercial
(c) Residential
(d) Agricultural
Answer: c
Solution:
Question: Which of the following types of signals are used to warn the traffic?
(a) Pedestrian signals

(b) Manually o	perated sig	gnals										
(c) Flashing be	acon											
(d) Fixed time	signals											
Answer: c												
Solution:												
Question: Wh	ich of the f	ollow	ing is a d	isadva	antage	of Ho	ffman	Klin?				
(a) High initial	cost of con	struct	tion									
(b) Regulation	of heat											
(c) Uniform bu	irning of br	ick										
(d) Fuel econo	my											
Answer: a												
Solution:												
Question: Wh it's shape?	ich of the f	ollow	ing Orific	es for	· meası	uring c	dischar	rge is N	IOT cl	assifie	d on th	e basis of
(a) Large												
(b) Triangular												
(c) Circular												
(d) Rectangula	ır											
Answer: a												
Solution:		•	iн		•							
Question: Wh CORRECT?	ich of the f	ollow	ing state	ment	/staten	nents	about	Limit S	State	of Serv	iceabil	ity is
A. The conditi in civil engine		/hich	the build	ing ar	nalysed	usefu	ıl is cal	lled th	e limit	state	of serv	iceability
B. If the struct	ture is not u	used i	f it is not	servi	ceable							
C. Based on the limit states.	ne most crit	ical li	mit the s	tructu	ıre sho	uld be	desig	ned ar	nd afte	er that	checke	ed other
(a) Both A and	C											
(b) A, B and C												
(c) Only A												
(d) Only C												
Answer: b												

Solution:
Question: Which of the following graphs are developed to represent several unit hydrographs?
(a) Dimensionless unit hydrograph
(b) Natural hydrograph
(c) Unit hydrograph
(d) Synthetic hydrograph
Answer: a
Solution:
Question: The tacheometric constant k = f/i is also known as:
(a) Dividing constant
(b) Multiplying constant
(c) Subtractive constant
(d) Additive constant
Answer: b
Solution:
Question: Read the following about the analysis of rates:
A. To work out the actual cost of per unit of the items.
B. To work out the cost of extra items which are not provided in the contract bond, but are to be done as per the directions of the department.
Which of the following are CORRECT?
(a) Both A and B
(b) Only A
(c) Only B
(d) Neither A nor B
Answer: a
Solution:
Question: Which of the following factors is NOT responsible for reinforcement anchorage?
(a) Ribs interlocking with the concrete
(b) Concrete shear strength

(d) Concrete and Steel adhesion

(c) Steel tensile strength

Answer: c
Solution:
Question: Read the following statements about the Neutral axis of a beam.
A. Neutral axis separates the compression and tension zones in the beam.
B. To avoid the brittle failure of concrete, keep the maximum depth of the neutral axis always less than the neutral axis.
Which of the statement/statements are INCORRECT?
(a) Only B
(b) Neither A nor B
(c) Only A
(d) Both A and B
Answer: b
Solution:
Question: Which of the following is responsible for major losses in pipes?
(a) Valves
(b) Friction
(c) Joints
(d) Bends
Answer: b
Solution:
Question: Read the following statements about Bernoulli equation.
A. The Bernoulli Equation can be considered to be a statement of the conservation of energy principle appropriate for flowing fluids.
B. In the high velocity flow through the constriction, kinetic energy must increase at the expense of pressure energy.
Which of the given statement/statements are CORRECT?
(a) Neither A nor B
(b) Only A
(c) Both A and B
(d) Only B
Answer: c
Solution:

Question: What is the height of RCC chimneys commonly used?
(a) 10 - 20m
(b) 50 - 100m
(c) 5 - 10m
(d) 100 - 200m
Answer: b
Solution:
Question: Read the following about the factors on which rates of items depends.
A. Quantity of materials and their costs
B. Cost of labours and their wages
C. Overhead and establishment charges
Which of the following are CORRECT?
(a) Only C
(b) Only A
(c) Both A and C
(d) A,B and C
Answer: d
Solution:
Question: Which of the following items of work includes bending and binding in position and is measured in quintal?
(a) Steel work LIVI ENGINEERING
(b) Excavation
(c) Plastering work
(d) Clearing of site
Answer: a
Solution:
Question: Which of the following is a Mechanical property of construction materials?
(a) Hardness
(b) Specific gravity
(c) Frost resistance
(d) Hygroscopicity

Answer: a
Solution:
Question: How many tests can be performed in order to find the fineness of cement?
(a) 2
(b) 20
(c) 1
(d) 10
Answer: a
Solution:
Question: Which of the following is NOT a type of Horizontal curve?
(a) Spiral curve
(b) Crest curve
(c) Simple curve
(d) Compound curve
Answer: b
Solution:
Question: Which of the following ranges of sound is low pitched?
(a) 50 Hz
(b) 300 Hz
(c) 2 Hz
(d) 15000 Hz
Answer: a
Solution:
Question: Which of the following is the portion of roadway of an urban road reserved for use only by high speed and power driven vehicles?
(a) Cycle track
(b) Foot way
(c) Village road
(d) Motor way
Answer: d
Solution:

Question: According to the Limit State Method	, which of the following types of bars are
categorised as main bar?	

(a) Steel bars in tension zone
(b) Concrete bars in tension zone
(c) Steel bars in compression zone
(d) Concrete bars in compression zone
Answer: a
Solution:
Question: Which of the following chemicals is added to Concrete in order to avoid carbonation during cold weather concreting?
(a) Magnesium Chloride
(b) Sodium Hexametaphosphate
(c) Sodium Chloride
(d) Calcium Carbonate
Answer: d
Solution:
Question: Which of the following is the shape of a warning sign board?
(a) Square
(b) Circular
(c) Rectangular
(d) Triangular Civil Engineering
Answer: d
Solution:
Question: Which of the following is a type of metamorphic rock?
(a) Sandstone
(b) Granite
(c) Limestone
(d) Soapstone
Answer: d
Solution:
Question: In which of the following structures should the moment distribution method used?

(a) Simply supported beam

(b) Fixed beam
(c) Cantilever beam
(d) Simply supported beam with uniformly distributed load
Answer: b
Solution:
Question: Read the following statements about Macaulay's method.
A. Slope and deflection are calculated using this method.
B. Structurally indeterminate structures are analysed.
Identify the CORRECT statement/statements.
(a) Only A
(b) Both A and B
(c) Neither A nor B
(d) Only B
Answer: b
Solution:
Question: Into how many types is Bandhara irrigation classified?
(a) 1
(b) 4
(c) 2
(d) 3 Civil Engineering
Answer: c
Solution:
Question: How many types of Earth pressures are there on the basis of the movement of the wall?
(a) 5
(b) 3
(c) 10
(d) 2
Answer: b
Solution:
Question: Which of the following is the particle size of cobble as per the BIS classification of soil?

(a) 0.5-2.00mm

(b) 10-50mm
(c) 80-300mm
(d) >300mm
Answer: c
Solution:
Question: Into how many types are sight distances categorised?
(a) Five
(b) One
(c) Ten
(d) Two
Answer: a
Solution:
Question: Which of the following is used to hold the two rails together both in the horizontal and vertical planes?
(a) Fish plates
(b) Round spikes
(c) Rail joints
(d) Dog spikes
Answer: a
Solution:
Question: Which of the following is the correct formula for Pascal's Law?
F= Force
P= Pressure
A= Area of cross-section
(a) F = P / A
(b) F = A / P
(c) $F = P + A$
(d) F = P A
Answer: d
Solution:

Question: Which of the following equations is used to find the major losses in pipes?

(a) Reynold's equation
(b) Prandtl equation
(c) Darcy Weisbach equation
(d) Manning's equation
Answer: c
Solution:
Question: Which of the following grades of concrete has the mix ratio 1:1:2?
(a) M10
(b) M25
(c) M20
(d) M5
Answer: b
Solution:
Question: Which of the following properties is NOT considered in selection of construction materials?
(a) Availability
(b) Plasticity
(c) Strength
(d) Cost
Answer: b
Solution: LIVII ENGINEERING
Question: Which of the following is NOT an advantage of using Bitumen for roads?
(a) Quick failure
(b) Smooth ride Surface
(c) Staged Construction
(d) Quick repair
Answer: a
Solution:
Question: Arrange the steps to determine deflection in beams using Double integration method in

1. Using the boundary conditions, determine the integration constants and substitute them into the equations obtained to find the slope and the deflection of the beam.

chronological order.

2. Calculate the support reactions and write the moment equation as a function of the x coordinate. 3. Sketch the free-body diagram of the beam and establish the x and y coordinates. 4. Substitute the moment expression into the equation of the elastic curve and integrate once to obtain the slope. Integrate again to obtain the deflection in the beam. (a) 1, 4, 3, 2, 1 (b) 3, 2, 4, 1 (c) 3, 1, 4, 3, 2 (d) 4, 1, 2, 3, 4 Answer: b Solution: Question: Read the following statements about working from whole to part: A. When an area is to be surveyed, first a system of control points is to be established covering the whole area with very high precision. B. The idea of working this way is to maximise the accumulation of errors and to control and localise minor errors. Identify the INCORRECT statement. (a) Only A (b) Only B (c) Both A and B (d) Neither A nor B ivil Engineerir Answer: b Solution: Question: Which of the following properties is the quantity of work required to cause its failure per its unit volume in construction materials? (a) Impact strength (b) Creep (c) Thermal Conductivity (d) Ductility

Question: Which of the following index properties indicates the firmness of soil?

(a) Consistency index

Answer: a

Solution:

(b) Plasticity index										
(c) Liquidity index										
(d) Flow Index										
Answer: a										
Solution:										
Question: Which of the for horizontal and vertical pl			recisio	on inst	rumen	t that is	s used to	o measu	ire the a	ingle in the
(a) Tape										
(b) Theodolite										
(c) Compass										
(d) Chain										
Answer: b										
Solution:										
Question: Which of the for effects over long periods			of po	llution	create	es exces	s heat t	that cau	ses und	esirable
(a) Soil pollution										
(b) Water pollution										
(c) Thermal pollution										
(d) Light pollution										
Answer: c										
Solution:	vi.	ΙF		ai			rir			
Question: Which of the fo	ollow	ing is NO	T a ty	pe of t	raffic s	ignal?		19		
(a) Fixed time signals										
(b) Pedestrian signals										
(c) Truck signals										
(d) Manually operated sig	nals									
Answer: c										
Solution:										
Question: Which of the fo	ollow	ing types	of so	il have	the lo	west bu	ılk surfa	ice dens	sity?	
(a) Sandy soil										
(b) Peat										
(c) Glacial till										

(d) Silt
Answer: b
Solution:
Question: Which of the following instruments for linear measurement is a watch like instrument that is carried on the person's pocket or tied on the man's leg?
(a) Passometer
(b) Pedometer
(c) Compass
(d) Odometer
Answer: a
Solution:
Question: Into how many types can the cost of labours in Rate analysis be divided?
(a) 3
(b) 4
(c) 1
(d) 2
Answer: a
Solution:
Question: Read the following statements about the necessity of irrigation.
A. If rainfall is sufficient but spatial distribution is not as per requirement, irrigation becomes
necessary. Lindingering
B. If rainfall is more than the demand for plants, irrigation is necessary to fulfil the water requirement of plants.
Identify the CORRECT statement/statements.
(a) Only B
(b) Only A
(c) Neither A nor B
(d) Both A and B
Answer: b
Solution:

Question: Read the following statements about contour interval and horizontal equivalent.

A. Contour interval is the vertical distance between any two consecutive contours.

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B. The horizontal equivalent is the horizontal distance between any two continuous contour lines
Identify the CORRECT statement/statements.
(a) Only A
(b) Neither A nor B
(c) Only B
(d) Both A and B
Answer: d
Solution:
Question: Which of the following formulae represents the number of tiles needed for flooring?
(a) Area of flooring - Area of tile
(b) Area of flooring × Area of tile
(c) Area of flooring + Area of tile
(d) Area of flooring / Area of tile
Answer: d
Solution:
Question: Read the following statements about Macaulay's method.
A. Macaulay's Method is a means to find the equation that describes the deflected shape of a beam.
B. Macaulay's Method enables us to write a single equation for bending moment for the full length of the beam.
Identify the CORRECT statement/statements.
(a) Both A and B
(b) Neither A nor B
(c) Only A
(d) Only B
Answer: a
Solution:
Question: Which of the following properties is responsible for quicksand condition?
(a) Plasticity
(b) Shear strength
(c) Porosity
(d) Elasticity

Answer: b
Solution:
Question: Which of the following reasons is valid for the provision of top reinforcements in singly reinforced beams?
(a) Collapse stirrups
(b) Hold stirrups
(c) Carry compression load
(d) Carry compression load and stirrups
Answer: b
Solution:
Question: Which of the following is NOT a reason for the necessity of irrigation?
(a) Even distribution of rainfall
(b) Cultivation of high yielding crops
(c) Difference in water holding capacity of the soil
(d) Uncertainty of monsoon rainfall
Answer: a
Solution:
Question: Which of the following parts of Centrifugal pump is a wheel or rotor which is provided with a series of backward curved blades or vanes?
(a) Casing
(b) Delivery pipe
(c) Impeller
(d) Suction pipe
Answer: c
Solution:
Question: Which of the following types of equations plays an important part in Macaulay method?
(a) Cubic equation
(b) Differential equation
(c) Linear equation
(d) Quadratic equation
Answer: b
Solution:

Question: Which of the following is the shape of the beam in plate girders?

(a) Rectangular
(b) I-shaped
(c) Square
(d) T-shaped
Answer: b
Solution:
Question: Which of the following type of dams is a temporary structure constructed to allow construction activities to take place in rivers or any other water body?
(a) Cofferdam
(b) Debris dam
(c) Storage dam
(d) Diversion dam
Answer: a
Solution:
Question: Read the following statements about the Mohr-Coulomb Criterion.
A. Materials fails by shear
B. The ultimate strength of the material is determined by the stresses in the failure plane
Identify the CORRECT statement/statements.
(a) Both A and B
(b) Only B CIVIL Engineering
(c) Neither A nor B
(d) Only A
Answer: a
Solution:
Question: Read the following statements about Local attraction.
A. Local attraction at a place can be detected by observing bearings, from both ends, of a line in the area.
B. If the fore and back bearings of the line differ exactly by \(180^\circ\), there is no local attraction at either station.
Identify the INCORRECT statement/statements.
(a) Only B

(b) Both A and B
(c) Only A
(d) Neither A nor B
Answer: d
Solution:
Question: Which of the following type of heads are neglected in case of soils?
(a) Piezometric head
(b) Pressure head
(c) Velocity head
(d) Datum head
Answer: c
Solution:
Question: Which of the following is NOT an advantage of Dumpy level?
(a) Angle measurement inaccurate
(b) High optical power
(c) Easy to use
(d) Very accurate level readings
Answer: a
Solution:
Question: The conditions to qualify as a Laterally Restrained Beam are given:
A. It should buckle laterally.
B. Limit state of serviceability must be satisfied
Which of the following are INCORRECT?
(a) Only A
(b) Only B
(c) Both A and B
(d) Neither A or B
Answer: a
Solution:
Question: Which of the following properties is the most important selection criteria for a construction material?

(a) Strength
(b) Workability
(c) Durability
(d) Availability
Answer: a
Solution:
Question: Read the following statements about a fixed beam.
A. Fixed beams undergo very minimal deflection.
B. These beams are very strong.
Identify the INCORRECT statement.
(a) Only B
(b) Neither A nor B
(c) Both A and B
(d) Only A
Answer: b
Solution:
Question: Which of the following should be the range of humidity of the laboratory for determining the standard consistency of Cement using Vicat's apparatus?
(a) 0.1 - 0.5 %
(b) 60 - 70 %
(c) 20 - 30 %
(d) 0 - 10 %
Answer: b
Solution:
Question: Into how many groups can soil compaction equipment be divided?
(a) Five
(b) Three
(c) Ten
(d) Two
Answer: d
Solution:

Question: Which of the following types of Lime contains high content of Calcium Oxide?					
(a) Quick Lime					
(b) Hydraulic Lime					
(c) Fat Lime					
(d) Slaked Lime					
Answer: c					
Solution:					
Question: Which of the following devices for linear measurements is the best for measuring vertical distances?					
(a) Odometer					
(b) Pedometer					
(c) Passometer					
(d) Chain					
Answer: b					
Solution:					
Question: Which of the following properties of construction material is the opposite to ductility?					
(a) Strength					
(b) Brittleness					
(c) Creep					
(d) Elasticity					
Answer: b					
Solution:					
Question: Which of the factors does NOT affect Crop water requirement?					
(a) Temperature					
(b) Consumption of fuel					
(c) Wind speed					
(d) Sunshine					
Answer: b					
Solution:					
Question: Which of the following is NOT an assumption of Terzaghi's bearing capacity theory?					

(a) The length of the footing is infinite

b) The load acting on the footing is uniformly distributed and is acting in vertical direction	
c) The base of the strip footing is smooth	
d) The type of foundation is shallow	
Answer: c	
Solution:	
Question: Which of the following is NOT a component of a Reciprocating pump?	
a) Suction Pipe	
b) Sphere	
c) Strainer	
d) Cylinder	
Answer: b	
Solution:	
Question: Which of the following methods of valuation is used for the properties which are in the underdeveloped stage or partly developed and partly underdeveloped stage?	he
a) Depreciation method	
b) Rental method	
c) Development method	
d) Sinking fund method	
Answer: c	
Solution:	
Question: Which of the following types of bricks is also called refractory bricks?	
a) Burnt clay bricks	
b) Concrete bricks	
c) Firebrick	
d) Fly ash bricks	
Answer: c	
Solution:	
Question: In which of the following types of irrigation is the soil surface not made wet?	
a) Flood irrigation	
b) Perennial irrigation	
c) Sub-surface irrigation	

(d) Lift irrigation
Answer: c
Solution:
Question: Which of the following number of longitudinal reinforcement must be provided in a column having helical binders?
(a) 1
(b) 6
(c) 10
(d) 50
Answer: b
Solution:
Question: Which of the following is NOT a natural source of pollution?
(a) Mining
(b) Dust storms
(c) Smoke
(d) Decay in organic matter
Answer: a
Solution:
Question: Which of the following is the third step of water treatment?
(a) Coagulation
(b) Filtration
(c) Screening
(d) Aeration
Answer: a
Solution:
Question: Which of the following is the first step in Bituminous road construction?
(a) Placing of premix
(b) Preparation of the existing base course layer
(c) Rolling
(d) Application of Tack coat
Answer: b

Solution:
Question: Which of the following types of grades of OPC cement is most popularly used in India?
(a) OPC 43
(b) OPC 53
(c) OPC 63
(d) OPC 33
Answer: a
Solution:
Question: Which of the following types of cement is used in the construction of underground structures like tunnels?
(a) Coloured cement
(b) Hydrophobic cement
(c) White cement
(d) Air entraining cement
Answer: b
Solution:
Question: Which of the following is the design bond strength of M20 concrete as per IS 1786 in N/mm ² ?
(a) 3.2
(b) 1.2
(c) 0 Civil Engineering
(d) 9.0
Answer: b
Solution:
Question: Which of the following instruments is used for measuring angles?
(a) Passometer
(b) Theodolite
(c) Pedometer
(d) Odometer
Answer: b
Solution:

Question: Which of the following is NOT a purpose of waste water treatment?

(a) extract the chemicals and d	issolved miner	rals
(b) control unpleasant taste & a	appearance of	f particles
(c) prevent pathogenic microor	ganisms causi	ing the disease
(d) addition of excessive colour	of water & tu	urbidity
Answer: d		
Solution:		
Question: Which of the follow	ing is a popula	ar disinfectant other than Chlorine?
(a) Arsenic		
(b) Fluorine		
(c) Iron		
(d) Ozone		
Answer: d		
Solution:		
Question: Which of the follow	ing equations	are used to measure Gravity flow?
(a) Weber's equation		
(b) Mach number		
(c) Reynolds equation		
(d) Manning's equation		
Answer: d		
Solution:	LEn	ainoprina /
Question: In which of the follo coating?	wing types of	f precipitation water drops freeze to form an ice
(a) Glaze		
(b) Drizzle		
(c) Snow		
(d) Rain		
Answer: a		
Solution:		
Question: Which of the follow a cantilever beam?	ing does a bea	am undergoes when a load is applied to the free end o
(a) Tension		
(b) Neither Tension nor Compre	ession	

(c) Compression
(d) Both Tension and Compression
Answer: a
Solution:
Question: Which of the following is NOT a problem of hot weather concreting?
(a) Decreased 28-day and later strengths
(b) Increased rate of setting
(c) Increased permeability
(d) Decreased water demand
Answer: d
Solution:
Question: Which of the following is the unit of Total Pressure in fluid mechanics?
(a) N
(b) kg/m
(c) kN/m
(d) N/m
Answer: a
Solution:
Question: Which of the following types of kerbs are provided when the pedestrian traffic is high?
(a) Semi-barrier type kerbs
(b) Submerged kerbs
(c) Barrier type kerbs
(d) Low kerbs
Answer: a
Solution:
Question: Which of the following is the Representative Fraction(RF) of an Engineer's scale?
(a) 1:8000
(b) 1:30
(c) 1:5000
(d) 1:2000
Answer: c

Question: Which of the following loads DO NOT prevail over RCC chimneys?
(a) Earthquake load
(b) Wind load
(c) Snow load
(d) Self-weight
Answer: c
Solution:
Question: Which of the following types of rain gauges is also called float type?
(a) Weighing Bucket Type
(b) Natural Syphon Type
(c) Tipping Bucket
(d) Inclined rain gauge
Answer: b
Solution:
Question: Read the following statements about working from whole to part.
A. Working from whole to part accumulates errors.
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A. Working from whole to part accumulates errors. B. Working from part to whole minimises errors. Identify the INCORRECT statement/statements. (a) Only A (b) Both A and B (c) Only B (d) Neither A nor B Answer: b Solution: Question: Which of the following is NOT a source of Noise pollution?

(d) Agricultural

Answer: d

Solution:

Solution:		
Question: Read the following statements about Continuity equation.		
A. The inflow and outflow are one-dimensional		
B. the velocity and density are constant over the area.		
Which of the following are CORRECT?		
(a) A and B are False.		
(b) A is True and B is True and B is the not correct explanation for A		
(c) A is True and B is True and B is the correct explanation for A		
(d) A is True, B is False		
Answer: c		
Solution:		
Question: Which of the following properties of bitumen binds together all the components without bringing about any positive or negative changes in their properties?		
(a) Strength		
(b) Hardness		
(c) Adhesion		
(d) Ductility		
Answer: c		
Solution:		
Question: Read the following statements about flexural rigidity.		
A. EI is known as flexural rigidity.		
B. It depends upon the material as well as the geometric property of the section.		
Which of the statement/statements are correct?		
(a) Only A		
(b) Only B		
(c) Both A and B		
(d) Neither A or B		
Answer: c		
Solution:		
Question: Which of the following types of fluids is Ethyl Alcohol?		
(a) Pseudo-plastic		

(b) Newtonian
(c) Rheoplastic
(d) Non-newtonian
Answer: b
Solution:
Question: Which of the following types of solid wastes are capable of transmitting a dangerous communicable disease?
(a) Industrial
(b) Demolition
(c) Infectious
(d) Garbage
Answer: c
Solution:
Question: Which of the following is NOT an application of soil engineering?
(a) Retaining structures
(b) Slope stability
(c) Pavement design
(d) River training works
Answer: d
Solution:
Question: Which of the following defects in timber is caused due to Fungi?
(a) Diagonal Grain
(b) Wet Rot
(c) Wane
(d) Chip Mark
Answer: b
Solution:
Question: Which the following is a warning road sign?
(a) No parking
(b) Height limit
(c) Load limit

(d) Right reverse bend
Answer: d
Solution:
Question: Which of the following is NOT a regulatory sign?
(a) Width limit
(b) Stop
(c) Cross road
(d) Height limit
Answer: c
Solution:
Question: Read the following about the analysis of Gravity dams.
A. The friction on the base will stop the dam from sliding, and the weight of the gravity dam will provide a moment opposite to the overturning moment.
B. Another way to stop the dam from moving is to anchor its base into the bedrock.
Identify the INCORRECT statement/statements.
(a) Only B
(b) Only A
(c) Both A and B
(d) Neither A nor B
Answer: d
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Question: Which of the following is an imaginary line tangential to the longitudinal curve of the altitude bubble tube at the midpoint?
(a) Axis of altitude bubble
(b) Axis of plate bubble tube
(c) Axis of telescope
(d) Line of collimation
Answer: a
Solution:
Question: What should be the effective length of a column held in position at both ends but not restrained against rotation, where L is the length of the column?

(a) 2.25L

(b) 1.00L				
(c) 0.76L				
(d) 9.0L				
Answer: b				
Solution:				
Question: Which of the fol for concrete begins?	llowing is the	e ranges of te	emperatures for which hot	weather problems
(a) 10°F - 20°F				
(b) 0°F - 10°F				
(c) 75°F - 100°F				
(d) 250°F - 300°F				
Answer: c				
Solution:				
Question: Which of the fol total amount required to p			f construction including la	nd, or the original
(a) Capitalized value				
(b) Market Value				
(c) Book Value				
(d) Capital cost				
Answer: d				
Solution:	/il F		neering	
Question: Which of the fol	llowing units	of work are	measured in numbers?	
(a) Doors				
(b) Partitions				
(c) Plastering				
(d) Masonry				
Answer: a				
Solution:				
Question: Which of the fol	llowing is the	first layer o	f a concrete pavement fro	m the top?
(a) Subgrade				
(b) Concrete slab				
(c) Base course				

(d) Bitumen surface
Answer: b
Solution:
Question: Which of the following is the colour of soil containing organic matter?
(a) Yellow
(b) Red
(c) Grey
(d) Black
Answer: d
Solution:
Question: Which of the following signals are used to direct the drivers of the vehicular traffic to proceed with caution?
(a) Yellow
(b) White
(c) Green
(d) Red
Answer: a
Solution:
Question: Which of the following should be the height of slump for better workability of concrete in cold weather?
(a) less than 4 inches
(b) less than 10 inches
(c) greater than 55 inches
(d) equal to 35 inches
Answer: a
Solution:
Question: Which of the following rocks is the best example of platonic rocks?
(a) Dolette
(b) Sandstone
(c) Granite
(d) Basalt
Answer: c

Solution:
Question: Read the following statements about Continuity equation.
A. Continuity equation states that in a steady flow process through a control volume, the inflorand outflow are equal.
B. It is based on the law of conservation of mass.
Which of the statement/statements are INCORRECT?
(a) Neither A nor B
(b) Only A
(c) Both A and B
(d) Only B
Answer: a
Solution:
Question: Which of the following is the required number of days for curing Low heat cement?
(a) 5
(b) 14
(c) 2
(d) 30
Answer: b
Solution:
Question: Which of the following types of works consists of cubical contents?
(a) Cement concrete
(b) Plastering
(c) Partitions
(d) Doors
Answer: a
Solution:
Question: Which of the following types of sleepers are not suited for yielding formations?
(a) Steel sleepers
(b) Cast-Iron sleepers
(c) Concrete sleepers
(d) HYSD steel sleepers

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Answer: c
Solution:
Question: Which of the following types of works are measured in square units?
(a) Plastering
(b) Cement concrete
(c) White washing
(d) Windows
Answer: c
Solution:
Question: Which of the following components of a barrage reduces the uplift pressure on a barrage?
(a) Fish ladder
(b) Upstream piles
(c) Divide wall
(d) Guide banks
Answer: b
Solution:
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