A)	100 1-2		
	108 kg		90 kg
C)	72 kg	D)	None of these
Correct Answer:	:c		
2)	Clay is		
A)	As porous as sand	B)	As porous as sand
C)	Less porous than sand	D)	Need more information to make a comment
Correct Answer:			
3)	A plan of an area drawn with the original scale of 1 cm = 10 m, h 22.5 cm. What is the new scale?	nas shrur	nk such that a line, originally 25 cm long on the plan, now measures
A)	1 cm = 11.11 m		1 cm = 10.97 m
C)	1 cm = 11.70 m	D)	1 cm = 0.11 m
Correct Answer:	A		
4)	Hacking is a process of		
A)	Making the background surface smooth before plastering	B)	Making the background surface rough before plastering
C)	Making plaster smooth before using it	D)	Making the plaster rough before using it
Correct Answer:	в		
5)	The closer the contour lines		·
۹)	The gentler the slope	B)	The steeper the slope
C)	The lack of slope	D)	Has not relation with the slope
Correct Answer:	в		
6)	In construction terminology, what does RCC stand for?		·
A)	Reinforced Concrete Cement	B)	Reinforced Cement Concrete
C)	Reused Cement Concrete	D)	Reused Concrete Cement
Correct Answer:	в		
7)	In construction terminology, what does CBW stand for?		·
۹)	Concrete Block Wall	B)	Concrete Block Wall
C)	Common Boundary Wall	D)	None of the above
Correct Answer:	: A		
8)	In construction terminology, what does RSA stand for?		·
A)	Rolled Steel Angle	B)	Right Steel Angle
C)	Rolled Strong Angle	D)	Right Skewed Angle
Correct Answer:	: A		
9)	In construction terminology, what does SRC stand for?		·
۹)	Sulphate Resistant Concrete	B)	Sand Resistant Concrete
C)	Sand Resistant Concrete	D)	Sand Resistant Cement
Correct Answer:	A		
10)	Presence of air bubbles in concrete		
( <i>F</i>	Shall increase the strength of the concrete	B)	Shall reduce the strength of the concrete
C)	Shall increase the strength of the concrete but make it brittle	D)	Shall not affect the strength of the concrete

11)	Which of the following are slump test indicators?			
A)	True slump	B)	Shear slump	
C)	Collapse slump	D)	All of the above	
Correct Answer	:D			
12)	The primary purpose of curing is to			
A)	Reduce the heat loss of concrete that is freshly placed to the atmosphere	B)	Reduce the temperature gradient across the cross-section of the concrete	
C)	Both (a) and (b)	D)	Neither (a) nor (b)	
Correct Answer	:C			
13)	Waterstops in joints of box culverts and drainage channels			
A)	Help in providing water tightness to the drainage channels	B)	Help in allowing water seepage in to the soil	
C)	Both (a) and (b)	D)	Neither (a) nor (b)	
Correct Answer	:A			
14)	Kerbs are necessary in road pavements because		•	
A)	They provide strength to the sides of road pavements and avoid lateral displacement of carriageway due to traffic loads	B)	In terms of road safety, they serve as a separation line between footway and carriageway and aid car drivers in driving safely	
C)	They act as a vertical barrier to guide the surface runoff collected in road pavements to the gullies	D)	All of the above	
Correct Answer				
15)	A screw			
A)	Is entirely full of threads	B)	Is entirely full of threads	
C)	Is always fitted with nuts	D)	All of the above	
Correct Answer	:A			
16)	What is the main problem with Deck bridges?		•	
A)	The traffic is exposed to winds	B)	The compression flanges have no lateral support	
C)	The road level has to be very high	D)	It is not possible to provide portal branchings	
Correct Answer	A			
17)	Suppose you are using the "full face" method to construct a tunnel. The	ne fi	irst operation will them be	
A)	Excavation of one drift in the centre	B)	Excavation being done along the perimeter	
C)	Removal of the top portion	D)	Removal to the bottom portion	
Correct Answer	:c			
18)	Efflorescence is		·	
A)	Formation of white patches on the surface of bricks due to the presence of insoluble salts in the clay used for making bricks	B)	Swelling of bricks due to the presence of carbonaceous matter and gas	
C)	Deformation arising out of exposure to the weather	D)	Presence of impurities in the clay used for making bricks that show up after burning	
Correct Answer	: A			
19)	While doing cost analysis, if the standard deviation is high, it would ge	ener	ally lead to	
A)	Higher levels of uncertainty	B)	Lower levels of uncertainty	
C)	Increased costs	_	Reduced costs	
Correct Answer	:C			

20)	Compared to a constant radius arch dam, a constant angle arch dam			
		B)	Consumes more concrete	
	Consumes the same amount of concrete	D)	None of the above	
Correct Answer:	A			
21) I	By using the lime – soda process of water softening,			
,	Lime reduces the carbonate hardness while soda reduces the non – carbonate hardness	B)	Lime reduces the non – carbonate hardness while soda reduces the carbonate hardness	
C) (	Only carbonate hardness is removed	D)	Only non – carbonate hardness is removed	
Correct Answer:	A			
22)	When compared with Tri-calcium silicate, Tri-calcium aluminate reacts	wi	ith water	
A) I	Faster	B)	Slower	
C)	Takes the same time	D)	Does not react at all	
Correct Answer:	A			
23)	The unit for coefficient of subgrade modulus is			
A) I	kN / m <sup>3</sup>	B)	kN / m <sup>2</sup>	
C) I	kN / m	D)	kN . m	
Correct Answer:	A			
24)	Which of the following items of work would necessarily be included in th	ne	estimation of plinth area?	
A)	Wall thickness	B)	Room area	
C)	Verandah area	D)	All of the above	
Correct Answer: I	D			
25) I	Bicarbonates of calcium and magnesium cause			
A) I	Permanent hardness in water	B)	Temporary hardness in water	
C) I	Both permanent and temporary hardness in water	D)	No hardness in water	
Correct Answer:	В			
26)	In the context of waste water, BOD stands for			
A) I	Biochemical Oxygen Demand	B)	Biomechanical Oxygen Demand	
C) I	Biophysical Oxygen Demand	D)	None of the above	
Correct Answer:	A			
27)	What is plastic limit of soil?			
A)	The minimum water content at which the soil just begins to crumble when rolled into threads 3 mm in diameter	B)	The maximum water content at which the soil just begins to crumble when rolled into threads 3 mm in diameter	
	The exact water content at which the soil just begins to crumble when rolled into threads 3 mm in diameter	D)	None of the above	
Correct Answer:	A			
28)	The distance between the intrados and extrados of an arch measure the	e		
A)	The distance between the intrados and extrados of an arch measure the	B)	Curvature of an arch	
C)	Both (a) and (b)	U)	Neither (a) nor (b)	

A   When the shear force along the section of the beam is zero   B) When the stress on the beam is zero     C)   When the stress on the beam is zero   D) None of these     Correct Answer/A   D)     30)   Which of the following is a sedimentary rock?     A)   Sand stone   B) Limestone     C)   Coal   D) All of the above     Correct Answer   D   D     31)   Proof Resilience is the   B)     A)   Maximum energy stored at elastic limit of a material   D) None of the above     Correct Answer   D   B)   Proof Resilience is the     A)   Maximum energy stored at elastic limit of a material   D) None of the above     Correct Answer   A   Separation of fine aggregates from mortar during transportation   D) None of the above     Correct Answer   B)   Separation of fine aggregates from mortar during transportation   D) None of the above     Correct Answer B   D   D   None of the above   D     Correct Answer B   D   D   None of the above   D     Correct Answer B   D   None of the above   D   None of the above   D	29)	When will the bending moment of a section of abeam be maximum?				
C)   When the stress on the beam is zero   D) None of these     Correct Answer; A   I     A)   Sand stone   B) Limestone     C)   Coal   D) All of the above     Correct Answer; D   I   Image: Coal     31)   Proof Resilience is the   B) Minimum energy stored at elastic limit of a material   D) None of the above     Correct Answer; A   Image: Coal   D) None of the above   Image: Coal     32)   Segregation is   B) Separation of fine aggregates from mortar during transportation   D) None of the above     Correct Answer; B   Image: Coal addition of all aggregates from mortar during transportation   D) None of the above     Correct Answer; B   Image: Coal addition of all aggregates from mortar during transportation   D) None of the above     Correct Answer; B   Image: Coal addition of all aggregates from mortar during transportation   D) None of the above     Correct Answer; B   Image: Coal addition of all aggregates from mortar during transportation   D) None of the above     Correct Answer; A   Image: Coal addition of all aggregates from mortar during transportation   D) None of the above     Correct Answer; B   Image: Coal addition of Im			B)	When the shear force along the section of the beam is non zero		
30)   Which of the following is a sedimentary rock?     A)   Sand stone     B)   Sand stone     C)   Coal     D)   All of the above     Correct Answer: D   Image: D     A)   Maximum energy stored at elastic limit of a material   B)     Minimum energy stored at elastic limit of a material   D)   None of the above     Correct Answer: A   Image: D   Image: D     32)   Segregation is   Image: D   Segregation of fine aggregates from mortar during transportation   D)     C)   Separation of fine aggregates from mortar during transportation   D)   None of the above     Correct Answer: B   Image: D   Does not regain its original shape after removed of load producing deformation   B)   Regains its original shape after removed of load producing deformation   B)   Regains its original shape after removed of load producing deformation   D)   None of the above     Correct Answer: A   Image: D   None of the above   Image: D   None of the above     Correct Answer: A   Image: D   None of the above   Image: D   None of the above     Correct Answer: A   Image: D   Image: D   None of the above						
An   Sand stone   B) Limestone     C)   Coal   D) All of the above     Correct AnswerD   D) All of the above     31)   Proof Resilience is the     A)   Maximum energy stored at elastic limit of a material   B) Minimum energy stored at elastic limit of a material     C)   Average energy stored at elastic limit of a material   D) None of the above     Correct Answer:A   D)   Segregation is     A)   Segregation is   D) None of the above     A)   Segregation of all aggregates from mortar during transportation   D) None of the above     Correct Answer:B   Does not regain its original shape after removed of load producing deformation   B) Regains its original shape after removed of load producing deformation     C)   Regains its original shape after removed of load producing deformation   D) None of the above     Correct Answer:A   D   Does not regain its original shape after removed of load producing deformation     C)   Regains its original shape after removed of load producing deformation   D) None of the above     Correct Answer:A   D   Does not regain its original shape after removed of 10,000 kg. It may be noted that in this case the maximum shearing stress is 30 kg / cm <sup>2</sup> .     A)   15 cm   B) 20 cm	Correct Answer:	A	Ĺ			
Col   Coal   D)All of the above     Correct Answer:   D     A)   Maximum energy stored at elastic limit of a material   B)Minimum energy stored at elastic limit of a material     A)   Maximum energy stored at elastic limit of a material   D)None of the above     Correct Answer:   A     32)   Segregation is     A)   Separation of fine aggregates from mortar during transportation   D)None of the above     Correct Answer:   B     A)   Separation of all aggregates from mortar during transportation   D)None of the above     Correct Answer:   B     B)   Separation of line aggregates from mortar during transportation   D)None of the above     Correct Answer:   B   B     A)   Does not regain its original shape after removed of load producing deformation   D)None of the above     Correct Answer:   A   D   Does not regain its original shape after removed of load producing deformation   D)None of the above     Correct Answer:   A   D   Does not regain its original shape after removed of load producing deformation   D)None of the above     Correct Answer:   A   D   D   Does not regain its original shape after removed of load produ	30)	Which of the following is a sedimentary rock?				
Col   Coal   D)All of the above     Correct Answer: D   D     31)   Proof Resilience is the     A)   Maximum energy stored at elastic limit of a material   D) None of the above     Correct Answer: A   D) None of the aggregates from mortar during transportation   D) None of the above     Correct Answer: B   D   Done of the aggregates from mortar during transportation   D) None of the above     Correct Answer: B   D   Separation of all aggregates from mortar during transportation   D) None of the above     Correct Answer: B   Does not regain its original shape after removed of load producing deformation   B) Regains its original shape after removed of load producing deformation     A)   Does not regain its original shape after removed of load producing deformation   D) None of the above     Correct Answer: A   D   Does not regain its original shape after removed of load producing deformation     A)   Determines the allowable strass is 30 kg / cm <sup>2</sup> .   D) None of the above     Correct Answer: C   D   D     34)   What will be the depth of a beam that is 20 cm wide and is subjected to a shearing force of 10,000 kg. It may be noted that in this case the maximum shearing stress is 30 kg / cm <sup>2</sup> .     A)   15 cm   D) 20 cm     C) <td>A)</td> <td>Sand stone</td> <td>B)</td> <td>Limestone</td>	A)	Sand stone	B)	Limestone		
31)   Proof Resilience is the     A)   Maximum energy stored at elastic limit of a material   B)     Average energy stored at elastic limit of a material   D)   None of the above     Correct Answer: A   D)   Sepregation of fine aggregates from mortar during transportation   B)     Separation of fine aggregates from mortar during transportation   D)   None of the above     Correct Answer: B   D   Desport of the adgregates from mortar during transportation   D)     A)   A plastic member   A)   Does not regain its original shape after removed of load producing deformation   B)   Regains its original shape after removed of load producing deformation   D)   None of the above     C)   Regains its original shape after removed of load producing deformation   D)   None of the above   Does not regain its original shape after removed of load producing deformation   D)   None of the above     Correct Answer: A   D   Desport of a beam that is 20 cm wide and is subjected to a shearing force of 10,000 kg. It may be noted that in this case the maximum shearing stress is 30 kg / cm <sup>2</sup> .     A)   15 cm   D) 30 cm   Doers cmaximum shearing tress in axial compression   D) Determines the allowable stress in coaxial compression     C)   25 cm   Determines the allowable stress		Coal	D)	All of the above		
A)   Maximum energy stored at elastic limit of a material   B)   Minimum energy stored at elastic limit of a material     C)   Average energy stored at elastic limit of a material   D)None of the above     Correct Answer: A   A     32)   Segregation is     A)   Separation of fine aggregates from mortar during transportation   D) None of the above     C)   Separation of all aggregates from mortar during transportation   D) None of the above     Correct Answer: B   D   Does not regain its original shape after removed of load producing deformation     A)   Does not regain its original shape after removed of load producing deformation   D) None of the above     C)   Regains its original shape after removed of load producing deformation   D) None of the above     C)   Regains its original shape after removed of load producing deformation   D) None of the above     Correct Answer: A   D   Done of the above     34)   What will be the depth of a beam that is 20 cm wide and is subjected to a shearing force of 10,000 kg. It may be noted that in this case the maximum shearing stress is 30 kg / cm <sup>2</sup> .     A)   15 cm   D) 20 cm     C)   25 cm   D) 30 cm     Correct Answer: C   D     A)   Determi	Correct Answer:	D				
C)   Average energy stored at elastic limit of a material   D)   None of the above     Correct Answer: A   B     A)   Separation of fine aggregates from mortar during transportation   B)   Separation of fine aggregates from mortar during transportation   C)     Correct Answer: B   B   Separation of the above   Correct Answer: B     33)   A plastic member   B)   Regains its original shape after removed of load producing deformation   B)   Regains its original shape after removed of load producing deformation     C)   Regains its original shape after removed of load producing deformation   D)   None of the above     Correct Answer: A   D   Does not regain its original shape after removed of load producing deformation   D)   None of the above     Correct Answer: A   D   B)   Regains its original shape after removed of load producing deformation   D)   None of the above     Correct Answer: A   D   D   None of the above   D     34)   What will be the depth of a beam that is 20 cm wide and is subjected to a shearing force of 10,000 kg. It may be noted that in this case the maximum shearing stress is 30 kg / cm <sup>2</sup> .   D)     35)   Secant's formula   D   Determines the allowable strain in axial compression   D)	31)	Proof Resilience is the				
Correct Answer: A   32     32)   Segregation is     32)   Separation of fine aggregates from mortar during transportation     B)   Separation of all aggregates from mortar during transportation     C)   Separation of all aggregates from mortar during transportation     B)   Separation of all aggregates from mortar during transportation     C)   Separation of all aggregates from mortar during transportation     B)   Does not regain its original shape after removed of load producing deformation     C)   Regains its original shape after removed of load producing deformation     C)   Regains its original shape after removed of load producing deformation     C)   Regains its original shape after removed of load producing deformation     A)   Under the above     Correct Answer: A   D)     A)   15 cm     C)   25 cm     C)   25 cm     C)   Determines the allowable stress in axial compression     D)   D)     Determines the allowable stress in axial compression     D)   Determines the allowable strain in axial compression     C)   Determines the allowable strain in axial compression     D)   Determines th	A)	Maximum energy stored at elastic limit of a material	B)	Minimum energy stored at elastic limit of a material		
32)   Segregation is     A)   Separation of fine aggregates from mortar during transportation   B) Separation of fine aggregates from mortar during transportation     C)   Separation of all aggregates from mortar during transportation   D) None of the above     Correct Answer: B   Does not regain its original shape after removed of load producing deformation   B) Regains its original shape after removed of load producing deformation     C)   Regains its original shape after removed of load producing deformation   D) None of the above     Correct Answer: A   D)   None of the above     34)   What will be the depth of a beam that is 20 cm wide and is subjected to a shearing force of 10,000 kg. It may be noted that in this case the maximum shearing stress is 30 kg / cm².     A)   15 cm   B) 20 cm     C)   25 cm   D) 30 cm     Correct Answer: C   D) Secant's formula   D) Determines the allowable stress in axial compression     A)   Determines the allowable stress in axial compression   D) Determines the allowable strain in coaxial compression     C)   Determines the allowable strain in axial compression   D) Determines the allowable strain in coaxial compression     C)   Determines the allowable strain in axial compression   D) Determines the allowable strain in coaxial compression     C)	C)	Average energy stored at elastic limit of a material	D)	None of the above		
A)   Separation of fine aggregates from mortar during transportation   B) Separation of line aggregates from mortar during transportation     C)   Separation of all aggregates from mortar during transportation   D) None of the above     Correct Answer: B   D)   Does not regain its original shape after removed of load producing deformation   D) None of the above     A)   Does not regain its original shape after removed of load producing deformation   B) Regains its original shape after removed of load producing deformation when heat it applied to it   D) None of the above     Correct Answer: A   D   D) None of the above   D) None of the above     34)   What will be the depth of a beam that is 20 cm wide and is subjected to a shearing force of 10,000 kg. It may be noted that in this case the maximum shearing stress is 30 kg / cm <sup>2</sup> .   D) 30 cm     C)   25 cm   D) 30 cm   Correct Answer: C     35)   Secart's formula   Secart's formula     A)   Determines the allowable stress in axial compression   D) Determines the allowable strain in caxial compression     C)   Determines the allowable stress in axial compression   D) Determines the allowable strain in caxial compression     C)   Determines the allowable stress in axial compression   D) Determines the allowable strain in caxial compression     C)   Determines the a	Correct Answer:	A				
C)   Separation of all aggregates from mortar during transportation   D) None of the above     Correct Answer: B   Image: Construct and the above     33)   A plastic member     A)   Does not regain its original shape after removed of load producing deformation   B) Regains its original shape after removed of load producing deformation     C)   Regains its original shape after removed of load producing deformation when heat it applied to it   D) None of the above     Correct Answer: A   Image: Construct and the above and the	32)	Segregation is				
Correct Answer: B   33)   A plastic member     A)   Does not regain its original shape after removed of load producing deformation   B) Regains its original shape after removed of load producing deformation     C)   Regains its original shape after removed of load producing deformation when heat it applied to it   D) None of the above     Correct Answer: A   20     34)   What will be the depth of a beam that is 20 cm wide and is subjected to a shearing force of 10,000 kg. It may be noted that in this case the maximum shearing stress is 30 kg / cm <sup>2</sup> .     A)   15 cm   B) 20 cm     C)   25 cm   D) 30 cm     Correct Answer: C   2     A)   Determines the allowable stress in axial compression   B) Determines the allowable stress in coaxial compression     C)   Determines the allowable stress in axial compression   D) Determines the allowable stress in coaxial compression     C)   Determines the allowable stress in axial compression   D) Determines the allowable stress in coaxial compression     C)   Determines the allowable stress in axial compression   D) Determines the allowable stress in coaxial compression     C)   Determines the allowable stress in axial compression   D) Determines the allowable stress in coaxial compression     C)   Detetrmines the allowable stress   D) Determin	A)	Separation of fine aggregates from mortar during transportation	B)	Separation of fine aggregates from mortar during transportation		
33)   A plastic member     A)   Does not regain its original shape after removed of load producing deformation   B)     C)   Regains its original shape after removed of load producing deformation when heat it applied to it   D)     Correct Answer: A   D)     34)   What will be the depth of a beam that is 20 cm wide and is subjected to a shearing force of 10,000 kg. It may be noted that in this case the maximum shearing stress is 30 kg / cm².     A)   15 cm   B) 20 cm     C)   25 cm   D) 30 cm     Correct Answer: C   D) 30 cm     35)   Secant's formula     A)   Determines the allowable stress in axial compression   B)     D)   Determines the allowable strain in axial compression   D)     Correct Answer: A   D)   Determines the allowable strain in coaxial compression     G)   Determines the allowable strain in axial compression   D)   Determines the allowable strain in coaxial compression     C)   Determines the allowable strain in axial compression   D)   Determines the allowable strain in coaxial compression     C)   Determines the allowable strain in axial compression   D)   Determines the allowable strain in coaxial compression     G)   Lintels are associated with <td>C)</td> <td>Separation of all aggregates from mortar during transportation</td> <td>D)</td> <td>None of the above</td>	C)	Separation of all aggregates from mortar during transportation	D)	None of the above		
A)   Does not regain its original shape after removed of load producing deformation   B)   Regains its original shape after removed of load producing deformation     C)   Regains its original shape after removed of load producing deformation when heat it applied to it   D)   None of the above     34)   What will be the depth of a beam that is 20 cm wide and is subjected to a shearing force of 10,000 kg. It may be noted that in this case the maximum shearing stress is 30 kg / cm <sup>2</sup> .   B)   20 cm     A)   15 cm   B)   20 cm   D)   30 cm     Correct Answer: C   D)   D)   30 cm   Correct Answer: C     A)   Determines the allowable stress in axial compression   B)   Determines the allowable stress in coaxial compression     C)   Determines the allowable strain in axial compression   D)   Determines the allowable strain in coaxial compression     C)   Determines the allowable strain in axial compression   B)   Determines the allowable strain in coaxial compression     C)   Determines the allowable strain in axial compression   D)   Determines the allowable strain in coaxial compression     C)   Determines the allowable strain in axial compression   D)   Determines the allowable strain in coaxial compression     C)   Determines the allowable strain in axial co	Correct Answer:	В				
deformation   deformation     C)   Regains its original shape after removed of load producing deformation when heat it applied to it   D)   None of the above     Correct Answer: A   D   None of the above   D     34)   What will be the depth of a beam that is 20 cm wide and is subjected to a shearing force of 10,000 kg. It may be noted that in this case the maximum shearing stress is 30 kg / cm <sup>2</sup> .   B)   20 cm     A)   15 cm   B)   20 cm   Correct Answer: C   D)   30 cm     Correct Answer: C   D   D   30 cm   Correct Answer: C     A)   Determines the allowable stress in axial compression   B)   Determines the allowable stress in coaxial compression     C)   Determines the allowable strain in axial compression   D)   Determines the allowable strain in coaxial compression     C)   Determines the allowable strain in axial compression   D)   Determines the allowable strain in coaxial compression     C)   Determines the allowable strain in axial compression   D)   Determines the allowable strain in coaxial compression     C)   Determines the allowable strain in coaxial compression   D)   Determines the allowable strain in coaxial compression     C)   Determines the allowable strain in axial compression<	33)	A plastic member				
deformation when heat it applied to it   Image: Correct Answer: A     34)   What will be the depth of a beam that is 20 cm wide and is subjected to a shearing force of 10,000 kg. It may be noted that in this case the maximum shearing stress is 30 kg / cm <sup>2</sup> .     A)   15 cm   B) 20 cm     C)   25 cm   D) 30 cm     Correct Answer: C   Image: Correct Answer: C   Image: Correct Answer: C     35)   Secant's formula   Image: Correct Answer: C     A)   Determines the allowable stress in axial compression   B) Determines the allowable stress in coaxial compression     C)   Determines the allowable stress in axial compression   D) Determines the allowable stress in coaxial compression     C)   Determines the allowable stress in axial compression   D) Determines the allowable stress in coaxial compression     C)   Determines the allowable stress in axial compression   D) Determines the allowable stress in coaxial compression     G)   Lintels are associated with   Image: Correct Answer: A   Image: Correct Answer: A     36)   Lintels are associated with   Do ors and windows   B) Ceilings     C)   Both (a) and (b)   D) Neither (a) nor (b)   Image: Correct Answer: A     37)   Which of the following is a property of "Sand Lime Bricks"?   B) <td>A)</td> <td></td> <td>B)</td> <td></td>	A)		B)			
34)   What will be the depth of a beam that is 20 cm wide and is subjected to a shearing force of 10,000 kg. It may be noted that in this case the maximum shearing stress is 30 kg / cm <sup>2</sup> .     A)   15 cm   B) 20 cm     C)   25 cm   D) 30 cm     Correct Answer: C     35)   Secant's formula     A)   Determines the allowable stress in axial compression   B) Determines the allowable stress in coaxial compression     C)   Determines the allowable strain in axial compression   D) Determines the allowable strain in coaxial compression     C)   Determines the allowable strain in axial compression   D) Determines the allowable strain in coaxial compression     C)   Determines the allowable strain in axial compression   D) Determines the allowable strain in coaxial compression     C)   Determines the allowable strain in axial compression   D) Determines the allowable strain in coaxial compression     C)   Determines the allowable strain in axial compression   D) Determines the allowable strain in coaxial compression     C)   Determines the allowable strain in axial compression   D) Determines the allowable strain in coaxial compression     C)   Determines the allowable strain in axial compression   D) Determines the allowable strain in coaxial compression     C)   Both (a) and (b)   D) Neit			D)	None of the above		
maximum shearing stress is 30 kg / cm <sup>2</sup> .     A)   15 cm     B)   20 cm     C)   25 cm     Correct Answer: C   D)     35)   Secant's formula     A)   Determines the allowable stress in axial compression     B)   Determines the allowable stress in axial compression     C)   Determines the allowable strain in coaxial compression     C)   Determines the allowable strain in coaxial compression     C)   Determines are associated with     A)   Doors and windows     B)   Ceilings     C)   Both (a) and (b)     Correct Answer: A   D)     37)   Which of the following is a property of "Sand Lime Bricks"?     A)   Their color appearance is grey instead of the regular reddish color   B)     Their color appearance is grey instead of the regular reddish color   B)     C)   These bricks offer excellent strength a	Correct Answer:	A				
A)   15 cm   B) 20 cm     C)   25 cm   D) 30 cm     Correct Answer:   C   D) 30 cm     35)   Secant's formula   Determines the allowable stress in axial compression   B) Determines the allowable stress in coaxial compression     A)   Determines the allowable stress in axial compression   B) Determines the allowable stress in coaxial compression     C)   Determines the allowable strain in axial compression   D) Determines the allowable strain in coaxial compression     Correct Answer:   A   Doors and windows   B) Ceilings     C)   Both (a) and (b)   D) Neither (a) nor (b)     Correct Answer:   A   Down (b)     Correct Answer:   A   D) Neither (a) nor (b)     Correct Answer:   A   D)     A)   Their color appearance is grey instead of the regular reddish color   B) Their shape is uniform and presents a smoother finish that doesn't require plastering     C)   These bricks off	34)	What will be the depth of a beam that is 20 cm wide and is subjected t maximum shearing stress is 30 kg / $cm^2$ .	o a	shearing force of 10,000 kg. It may be noted that in this case the		
Correct Answer:   C     35)   Secant's formula     A)   Determines the allowable stress in axial compression   B)     C)   Determines the allowable strain in axial compression   D)     C)   Determines the allowable strain in axial compression   D)     Correct Answer:   A   Doors and windows     36)   Lintels are associated with     A)   Doors and windows   B)     C)   Both (a) and (b)   D)     Correct Answer:   A   Doors and windows     A)   Doors and windows   D)     C)   Both (a) and (b)   D)     N   Which of the following is a property of "Sand Lime Bricks"?     A)   Their color appearance is grey instead of the regular reddish color   B)     Their color appearance is grey instead of the regular reddish color   C)   B)     C)   These bricks offer excellent strength as a load-bearing member   D)     All of the above   D)   All of the above	A)	15 cm	B)	20 cm		
35)   Secant's formula     A)   Determines the allowable stress in axial compression   B)   Determines the allowable stress in coaxial compression     C)   Determines the allowable strain in axial compression   D)   Determines the allowable strain in coaxial compression     Correct Answer: A   Doors and windows   B)   Ceilings     C)   Both (a) and (b)   D)   Neither (a) nor (b)     Correct Answer: A   Doors and windows   B)     37)   Which of the following is a property of "Sand Lime Bricks"?     A)   Their color appearance is grey instead of the regular reddish color   B)     C)   Their shape is uniform and presents a smoother finish that doesn't require plastering     C)   These bricks offer excellent strength as a load-bearing member   D)     All of the above   D)		25 cm	D)	30 cm		
A)   Determines the allowable stress in axial compression   B)   Determines the allowable stress in coaxial compression     C)   Determines the allowable strain in axial compression   D)   Determines the allowable strain in coaxial compression     Correct Answer: A   Doors and windows   D)   Determines the allowable strain in coaxial compression     36)   Lintels are associated with   B)   Ceilings     C)   Both (a) and (b)   D)   Neither (a) nor (b)     Correct Answer: A   D   D     37)   Which of the following is a property of "Sand Lime Bricks"?     A)   Their color appearance is grey instead of the regular reddish color   B)     C)   These bricks offer excellent strength as a load-bearing member   D)     All of the above   D)	Correct Answer:	С				
C)   Determines the allowable strain in axial compression   D)     Correct Answer: A   D)     36)   Lintels are associated with     A)   Doors and windows     B)   Ceilings     C)   Both (a) and (b)     Correct Answer: A   D)     37)   Which of the following is a property of "Sand Lime Bricks"?     A)   Their color appearance is grey instead of the regular reddish color     B)   Their shape is uniform and presents a smoother finish that doesn't require plastering     C)   These bricks offer excellent strength as a load-bearing member   D)	35)	Secant's formula				
Correct Answer: A   Intels are associated with     36)   Lintels are associated with     A)   Doors and windows     B)   Ceilings     C)   Both (a) and (b)     Correct Answer: A   Doors and windows is a property of "Sand Lime Bricks"?     A)   Their color appearance is grey instead of the regular reddish color   B)     Their shape is uniform and presents a smoother finish that doesn't require plastering     C)   These bricks offer excellent strength as a load-bearing member   D) All of the above	A)	Determines the allowable stress in axial compression	B)	Determines the allowable stress in coaxial compression		
36)   Lintels are associated with     A)   Doors and windows     B)   Ceilings     C)   Both (a) and (b)     Correct Answer: A   D     37)   Which of the following is a property of "Sand Lime Bricks"?     A)   Their color appearance is grey instead of the regular reddish color   B)     Their shape is uniform and presents a smoother finish that doesn't require plastering     C)   These bricks offer excellent strength as a load-bearing member   D)     All of the above   D)	C)	Determines the allowable strain in axial compression	D)	Determines the allowable strain in coaxial compression		
A)   Doors and windows   B)   Ceilings     C)   Both (a) and (b)   D)   Neither (a) nor (b)     Correct Answer: A   D   Doors and windows   D)     37)   Which of the following is a property of "Sand Lime Bricks"?   D)   Doors and presents a smoother finish that doesn't require plastering     C)   These bricks offer excellent strength as a load-bearing member   D)   All of the above	Correct Answer:	A				
C)   Both (a) and (b)   D) Neither (a) nor (b)     Correct Answer: A   D)     37)   Which of the following is a property of "Sand Lime Bricks"?     A)   Their color appearance is grey instead of the regular reddish color   B) Their shape is uniform and presents a smoother finish that doesn't require plastering     C)   These bricks offer excellent strength as a load-bearing member   D) All of the above	36)	Lintels are associated with				
Correct Answer: A   Correct Answer: A     37)   Which of the following is a property of "Sand Lime Bricks"?     A)   Their color appearance is grey instead of the regular reddish color   B)     Their shape is uniform and presents a smoother finish that doesn't require plastering     C)   These bricks offer excellent strength as a load-bearing member   D)	A)	Doors and windows	B)	Ceilings		
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A)   Their color appearance is grey instead of the regular reddish color   B)   Their shape is uniform and presents a smoother finish that doesn't require plastering     C)   These bricks offer excellent strength as a load-bearing member   D)   All of the above	Correct Answer:	A				
C) These bricks offer excellent strength as a load-bearing member D) All of the above	37)	Which of the following is a property of "Sand Lime Bricks"?				
	A)	Their color appearance is grey instead of the regular reddish color	B)			
Correct Answer: D	C)	These bricks offer excellent strength as a load-bearing member	D)	All of the above		
	Correct Answer:	D				

38)	Which of the following is a construction estimate?			
A)	Initial feasibility estimate	B)	Conceptual preliminary budget	
,	Definite estimate	,	All of the above	
Correct Answer:		0)		
39)	Soffit is			
A)	The under surface of an arch	B)	The top surface of an arch	
C)	The curvature of an arch	D)	None of the above	
Correct Answer:	A			
40)	If an activity lies on the critical path, its total float will be			
A)	Positive	B)	Negative	
C)	Zero	D)	Cannot be determined	
Correct Answer:	с			
41)	What is trowelling?			
A)	The final operation in finishing a floor	B)	The initial operation in finishing a floor	
C)	An intermediate operation in the finishing of a floor	D)	Has nothing to do with floors	
Correct Answer:	A			
42)	The higher the cohesiveness of concrete,			
A)	The lesser the chance of segregation	B)	The higher the chance of segregation	
C)	The higher the chance of bleeding	D)	The lesser the chance of bleeding	
Correct Answer:	A			
43)	Which of the following can be subjected to a Slump test?			
A)	Clay		Sand	
C)	Lime	D)	Concrete	
Correct Answer:				
44)	Consider a plot of land in the shape of a parallelogram ABCD. Further, be the bearing of the line CD?	the	e angle BAD is 60° and the bearing of the line AB is 30°. What will then	
A)	90°	B)	120°	
C)	210°	D)	270°	
Correct Answer:	С			
45)	If one were engaged in chain surveying, the field work would then be l	imi	ted to	
A)	Only linear measurements	B)	Only angular measurements	
C)	Both angular as well as linear measurements	D)	None of the above	
Correct Answer:	A			
46)	Which of the following statements is correct?			
A)	The real image of an object formed by the objective, must lie in the plane of the cross hairs	B)	The real image of an object formed by the objective, must lie at the centre of the telescope	
C)	The real image of an object formed by the objective, must lie at the optical centre of the eyepiece	D)	None of the above	
Correct Answer:	A			
47)	The extent of carbon in wrought iron is up to			
A)	0 %	B)	0.25 %	
C)	0.5 %	D)	1 %	
Correct Answer:	В			

48)	Chemically, how would Kaolin be classified as?					
A)	Metamorphic rock	B)	Calcareous rock			
C)	Silicious rock		Argillaceous rock			
Correct Answer:						
49)	What is the initial setting time for lime-pozzolona?					
A)	Half an hour	B)	One hour			
C)	One and a half hour		Two hours			
Correct Answer:	D	Ĺ				
50)	Which of the following would you normally use for water proofing?					
A)	Limestone	B)	Calcium			
C)	Mastic asphalt		None of the above			
Correct Answer:	C					
51)	Which of the following is not a major constituent of fly-ash?					
A)	Aluminum oxide	B)	Silica			
C)	Ferrous oxide	D)	Cobalt Oxide			
Correct Answer:	D	Ĺ				
52)	Which of the following is a property of black cotton soil?					
A)	It does not retain moisture	B)	It swells excessively when wet and shrinks excessively when dry			
C)	It becomes soft when dry		It is very rocky			
Correct Answer:	В					
53)	The material that acts as the binding agent in mortar is					
A)	Sand	B)	Surkhi			
C)	Cinder	D)	None of the above			
Correct Answer:	D					
54)	Columns are					
A)	Structural members subjected to compressive stress in a direction parallel to its longitudinal axis	B)	Structural members subjected to compressive stress in a direction parallel to its latitudinal axis			
C)	Structural members subjected to compressive stress in a direction parallel to both its axes	D)	None of the above			
Correct Answer:	A					
55)	Which of the following different types of lime would be expected to cor	itai	n a high percentage of calcium oxide?			
A)	Fat lime	B)	White lime			
C)	Rich lime	D)	None of the above			
Correct Answer:	D					
	A Second's pendulum executes 2 beats per second. It is observed that the issue that it keeps the correct time?	the	e pendulum is gaining 2 minutes a day. What would you do to rectify			
A)	Decrease the length of the pendulum	B)	Increase the length of the pendulum			
C)	Keep the length unchanged but increase the weight of the bob		Keep the length unchanged but decrease the weight of the bob			
Correct Answer:	В					
57)	Between teak and shisham,					
A)	Teak is more resistant to white ants than shisham	B)	Shisham is more resistant to white ants than teak			
C)	The resistance to white ants is the same	D)	None of the above			
Correct Answer:	В					
		_				

58)	What is the ratio of the diameter of reinforcing bars to the slab thickness?				
A)	1/2	-	1/4		
C)	1/8	,	1/16		
Correct Answer:		_ /	-/		
59)	The purchase price of a machine is Rs. 25,000. The machine has a wor can be sold for Rs. 7,500 as scrap. The depreciation charge on the mac this machine?				
A)	Rs. 0.21	B)	Rs. 0.50		
C)	Rs. 0.72	D)	Cannot be determined based on the given data		
Correct Answer:	В				
60)	Quick lime is the common name for		·		
A)	Calcium Oxide	B)	Calcium Carbonate		
C)	Calcium Hydroxide	D)	None of the above		
Correct Answer:	A	Ź			
61)	A Cross staff is used for				
A)	Measuring approximate horizontal angles	B)	Measuring bearings of lines		
	Setting out right angles		Measuring the weight bearing capacity of a beam		
Correct Answer:					
62)	If you needed to correct for sag, the correction would				
	Be always additive	B)	Be always subtractive		
	Be always zero		Be sometimes additive and sometimes subtractive		
Correct Answer:		- /			
63)	Which of the following sights are taken on a "turning point"?				
A)	Foresight only	B)	Backsight only		
	Foresight and backsight		None of the above		
Correct Answer:		Í			
64)	Which type of flooring would ensure a near noiseless floor?				
	Cork flooring	B)	Glass flooring		
	Linoleum flooring	D)	Wooden flooring		
Correct Answer:					
65)	Which of the following trees yield soft wood?				
	<u> </u>	B)	Sal		
C)			Chir		
Correct Answer:		Ľ			
	Which of the following types of footing will be used to transmit heavy lo	bac	Is through steel columns?		
A)			Grillage foundation		
			Isolated footing		
Correct Answer:					
	 In general, what should be the minimum number steps in a flight of sta	airs	5?		
A)	1	B)			
, С)	3	D)	5		
Correct Answer:	С	Ĺ			

68)	What is the ultimate tensile strength of structural mild steel?				
A)		B)	260 N / mm <sup>2</sup>		
C)		,	None of the above		
Correct Answer:	C	,			
69)	Which of the following statements is true?				
A)	Poisson's ration for concrete remains constant irrespective of the quality of mix	B)	Poisson's ratio for concrete increases with richer mixes		
C)	Poisson's ratio for concrete decreases with richer mixes	D)	None of the above		
Correct Answer:	В				
70)	Which of the following statements is correct?				
A)	The factor of safety for steel is lower than that for concrete	B)	The factor of safety for steel is higher than that for concrete		
C)	The factor of safety for steel and concrete are the same	D)	None of the above		
Correct Answer:	A				
71)	Which of the following statements is true?				
A)	Diagonal tension in a beam increases below the neutral axis and decreases above the neutral axis	B)	Diagonal tension in a beam increases above the neutral axis and decreases below the neutral axis		
C)	Diagonal tension in a beam is at its maximum at the neutral axis	D)	None of the above		
Correct Answer:	A				
72)	In a steel girder, where would you expect tongue plates to be provided	?			
A)	The upper flange	B)	The lower flange		
C)	The upper and lower ends of the web	D)	None of the above		
Correct Answer:	C				
73)	How is efficiency of a riveted joint defined?				
A)	The least strength of a riveted plate to the greatest strength of the riveted joint	B)	The least strength of a riveted joint to the strength of a solid plate		
C)	The greatest strength of a riveted joint to the strength of a solid plate	D)	All of the above		
Correct Answer:	D				
74)	You are required to plan the laying of a gully. Which of the following co	sts	s should you include?		
A)	Setting and laying	B)	Bed concreting		
C)	Connection to drains	D)	All of these		
Correct Answer:	D				
75)	Which of the following statements is correct?				
A)	Column bases transmit the column load to the column foundation	B)	Column load is spread over a large area of concrete		
C)	Loaded columns are supported on column bases	D)	All of the above		
Correct Answer:	D				
76)	During a "Sale Period", Shoppers Stop announces a 20% discount on the volume by 25%. What is the net effect on the revenue because of the o				
A)	Increase of 5%	B)	Decrease of 5%		
C)	Increase of 10%	D)	Revenue remains constant		
Correct Answer:	D				

	The worth of a transformer depreciates at the rate of 5% every year as compared to its value in the previous year. If the present worth is Rs. 60,00,000, what was its worth when the transformer was bought by the firm 4 years back (the answers are rounded off to the nearest thousand)?		
A)	Rs. 51,08,000	B)	Rs. 72,93,000
C)			Rs. 48,87,000
Correct Answer:	В		
78)	What is the next number of the series: 2, 6, 14, 26, 42, 62,		
A)	82	B)	80
C)	86	D)	None of the above
Correct Answer:	С		
79)	Which of the following countries is a member of the United Nations Sec	uri	ty Council?
A)	Republic of China	B)	People's Republic of China
C)	India	D)	Germany
Correct Answer:	В		
80)	Identify the odd one out?		
A)	Ganga	B)	Mahanadi
C)	Godavari	D)	Krishna
Correct Answer:	С		
81)	The capital of Assam is		
A)	Guwahati	B)	Dispur
C)	Tinsukia	D)	None of the above
Correct Answer:	В		
82)	The sum of two numbers is 40 and the difference is 12. What is the val	ue	of the smaller number of the two?
A)	14	B)	26
C)	12	D)	10
Correct Answer:	A		
83)	Who succeeded Morarji Desai as the Prime Minister of India?		
A)	Indira Gandhi	B)	Rajiv Gandhi
C)	Charan Singh	D)	None of the above
Correct Answer:	C		
84)	The minimum educational qualification to contest for the post of memb	er	of Legislative Assembly in any state of India is
A)	Graduate	B)	Post Graduate
C)	SSLC or its equivalent	D)	None of these
Correct Answer:	D		
	A circular field has a diameter of 14 meters. The field is divided in to fo at Rs. 100 per meter?	ur	separate quadrants. What is the cost of fencing all the four quadrants
A)	Rs. 10,000	B)	Rs. 2500
			Rs. 4400
Correct Answer:	A		

86)	A solid cube with each side being of length 8 inches was painted violet, indigo and yellow on pair of opposite faces. It is then cut into 1 inch				
66)	cubes. How many of the small one – inch cubes have exactly 4 faces painted?				
A)	16	B)	8		
C)	4	D)	None of these		
Correct Answer:		Í			
87)	The national game of India is				
A)		B)	Football		
C)			Hockey		
Correct Answer:		Í			
88)	Victoria Terminus can be found at				
A)	Mumbai	B)	Bangalore		
C)			Kolkata		
Correct Answer:					
	If you cut a bar magnet into half, the pole strength of each piece				
A)		B)	Remains the same		
C)		,	Becomes zero		
Correct Answer:		- /			
90)	Identify the correct combination?				
A)		B)	Gomateshwara statue – Shravan Belagola		
/			Lalbagh - Gulbarga		
Correct Answer:		- /			
91)	Who was the first vice president of India?				
,		B)	Sarvapalli Radhakrishnan		
C)			R. Venkatraman		
Correct Answer:		- /			
92)	Two dice are tossed. The probability that the total score is a multiple of	f3	is:		
A)	· · · · · · · · · · · · · · · · · · ·		(1/3)		
C)			(7/9)		
Correct Answer:					
93)	A 1 kilometre long train passes through a tunnel of 2 kilometre length	at a	a speed of 1 kilometre per minute. What will be the minimum time		
•	taken for the train to inside the tunnel completely?	D١			
A)			2 minutes		
C)		(ט	4 minutes		
Correct Answer:					
94)	If the radius of a circle is decreased by 6%, the area of the circle	- >			
A)	· · · · · · · · · · · · · · · · · · ·		Decreases by 11.64%		
	-	(ט	None of the above		
Correct Answer:		Ļ			
95)	The total of the ages of Amar, Akbar and Anthony is 80 years today. If Anthony three years ago?				
A)			55 years		
C)	46 years	D)	None of the above		
Correct Answer:	A				

96)	The telephone was invented by				
A)	Alexander Graham Bell	B)	J. Kepler		
C)	D. Rutherford	D)	James Chadwick		
Correct Answer:	A				
97)	Consider a ray standing on a line. The sum of the two adjacent angles	is			
A)	Greater than a straight angle	B)	Less than a straight angle		
C)	Equal to a straight angle	D)	None of the above		
Correct Answer:	С				
	A man's basic pay for 40 hours' week is Rs. 200. Overtime is paid at 2! total earning is Rs. 300. He therefore, worked for a total of (in hours)	5%	of the basic rate. In certain week, he has worked overtime and his		
A)	52	B)	56		
C)	58	D)	62		
Correct Answer:	В				
99)	Who has been the youngest person to have ever become a Chief Minist	er	of any state in India?		
A)	H D Kumaraswamy	B)	Akhilesh Yadav		
C)	Mamata Bannerjee	D)	Omar Abdullah		
Correct Answer:	В				
	Louis Phillippe had given a discount of 10% of the marked price of a shirt. If the cost price of the shirt is Rs. 8000 and Louis Phillippe made a profit of 12.5 percent in the transaction, what is the marked price of the shirt?				
A)	Rs. 1100	B)	Rs. 1000		
C)	Rs. 1200	D)	None of these		
Correct Answer:	Question is dropped				