SSC - JEn 2013 (Objective Paper)

- 1. The lintels are preferred to arches because [SSC-2013]
 - (a) arches required more headroom to span the openings like doors, windows, etc.
 - (b) arches require strong abutments to withstand arch thrust
 - (c) arches are difficult in construction
 - (d) All of the above
- 2. The most suitable stone for building piers is [SSC-2013]
 - (a) granite
- (b) limestone
- (c) marble
- (d) sandstone
- Number of modular bricks required for one cubic metre of brick masonry are [SSC-2013]
 - (a) 400

(b) 450

(c) 550

- (d)500
- The plasticity to mould bricks in suitable shape in contrivuted [SSC-2013] by
 - (a) Alumina
- (b) Lime
- (c) Magnesia
- (d) Silica
- The crushing strength of a first class brick is [SSC-2013] 5.
 - (a) 3 N/mm²
- (b) 5.5 N/mm²
- (c) 10.5 N/mm^2
- (d) 7.5 N/mm²
- Which of the following cements is suitable for use in urgent repairs of existing massive concrete structures such as [SSC-2013] large dams?
 - (a) Ordinary portland cement
 - (b) Low heat cement
 - (c) Rapid hardening cement
 - (d) Suitable resisting cement
- For polishing mosaic floors we use [SSC-2013] 7.
 - (a) Carbaolic acid
- (b) Muriatic acid
- (c) Acetic acid
- (d) Oxalic acid
- For 15 mm thick cement plastering 1:6 on 100 sq. m new brick work, quantity of cement required is **ISSC-20131**
 - (a) $0.200 \,\mathrm{m}^3$
- (b) 0.247 m^3
- (c) 0.274 m^3

Engineering Career Tutorial

(d) 0.343 m^3

Previous Year Questions

- 9. The base material for distemper is
 - (a) Chalk
- (b) Lime
- (c) Clay
- (d) Lime putty
- 10. The amount of water used in performing setting time test of cement is (assuming p = standard consistency of cement)

[SSC-2013]

[SSC-2013]

- (a) 0.60 p
- (b) 0.65 p
- (c) 0.80 p
- (d) 0.85 p
- 11. Gypsum used in cement manufacturing acts as [SSC-2013]
 - (a) accelerator
- (b) air entering agent
- (c) plasticizer
- (d) retarder
- 12. The woodworks should be measured to nearest [SSC-2013]
 - (a) 0.001 m
- (b) 0.002 m
- (c) $0.003 \, \text{m}$
- (d) $0.004 \, \text{m}$
- 13. Anti-siphonage pipe is connected to [SSC-2013]
 - (a) Main soil pipe
- (b) Bottom of P trap W.C
- (c) Top of P trap W.C.
- (d) Side of Water Closest
- 14. The main principle of field surveying is to work from

[SSC-2013]

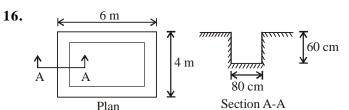
- (a) higher level to lower level
- (b) lower level to higher level
- (c) part of whole
- (d) whole to part
- **15.** If 'i' is the rate of interest expressed in decimal and 'n' is the number of years, then coefficient of annual find I is

(a)
$$I_c = \frac{\left[\left(1+i\right)^n - 1\right]}{\left(1+i\right) - 1}$$
 (b) $I_c = \frac{i}{\left(1+i\right)^n - 1}$

(b)
$$I_c = \frac{i}{(1+i)^n - 1}$$

(c)
$$I_c = \frac{i}{(1-i)^n + 1}$$
 (d) $I_c = \frac{i}{(1+i)^n + 1}$

(d)
$$I_c = \frac{i}{(1+i)^n + 1}$$



Previous Year Questions						
The above figure represents plan and section of an						
excavation layout. The volume of earthwork in excavation						
of foundation trench is	[SSC-2013]					
(a) 6.528 cu.m	(b) 8.064 cu.m					
(c) 8.832 cu.m	(d) 9.600 cu.m					
If d be the diameter of MS or tor steel bars in mm, the						

- 17. standard weight (in kg) per metre of the bar is [SSC-2013] (a) $0.00618 d^2$
- (b) 0.00618 d
- (c) $0.00816 d^2$
- (d) 0.00816 d
- 18. A level line is a [SSC-2013]
 - (a) line parallel to the mean spheroidal surface of the earth
 - (b) line passing through centre of cross hairs and centre of eye-piece
 - (c) line passing through objective lens and the eye piece
 - (d) horizontal line
- 19. Ranging is defined as [SSC-2013]
 - (a) measuring the distance from starting point
 - (b) establishing intermediate points on a chain line
 - (c) the distance between end points
 - (d) a point on a chain line
- 20. Compute the angle between the lines AB and AC, If their respective bearings are 52°30′ and 328°45′. [SSC-2013]
 - (a) 276°15'
- (b) 6°15'
- (c) 111°15'
- (d) 83°45'
- 21. The Whole circle Bearing of a line is 287°15'. The Reduced Bearing of the lime is [SSC-2013]
 - (a) S 107° 15' W
- (b) S 17°15' W
- (c) N 72°45' W
- (d) S 107° 15' E
- 22. A line joining some fixed points on the main survey lines is called [SSC-2013]
 - (a) check line
- (b) tie line
- (c) chain line
- (d) base line
- 23. Which of the following methods of contouring is most suitable for hilly terrian? [SSC-2013]
 - (a) Direct method
- (b) Square method
- (c) Cross-section method (d) Tacheometric method

- **24.** The angle between true meridian and the magnetic meridian [SSC-2013] at the time of observations is known as
 - (a) Orientation
- (b) Magnetic declination
- (c) Magnetic bearing
- (d) Dip
- 25. 'Offsets' are

[SSC-2013]

- (a) Lateral measurements from chain line
- (b) Ties or check lines which are perpendicular to chain line
- (c) Sets of minor measurements in chain surveying
- (d) Chain lines which go out of alignment
- **26.** The fore bearings of the lines AB and BC are 40° and 120° respectively. The included angle between AB and BC is [SSC-2013]
 - (a) 40°
- (b) 60°

(c) 80°

- (d) 100°
- 27. If the sum of northing of a traverse exceeds the sum of southing by 1 m and sum of easting exceeds the sum of westings by 1 m, the resultant closing error and its true bearing are respectively [SSC-2013]
 - (a) $\sqrt{2}$ m, N 45°E
- (b) 1 m, N 45°E
- (c) 2 m, N 45° W
- (d) 2 m, N 45°E
- 28. If in a closed traverse, the sum of the north latitudes is more than the sum of the south latitudes and also the sum of west departures is more than the sum of east departures, the bearing of thew closing line is in the [SSC-2013]
 - (a) SE quadrant
- (b) NE quadrant
- (c) NW quadrant
- (d) SW quadrant
- **29.** A 300 mm square bearing plate settles by 15 mm in a plate load test on a cohesive soil when the intensity of loading is 0.2 N/mm². The settlement of a prototype shallow footing 1 m square under the same intensity of loading is [SSC-2013]
 - (a) 15 mm
- (b) 80 mm
- (c) 50 mm
- (d) 167 mm
- **30.** The specific speed for a turbine has the dimensions of

- (a) $F^{1/2}$ $L^{-3/4}$ $T^{-3/2}$
- (b) T¹
- (c) $F^{1/2}$ $L^{-5/2}$ $T^{-3/2}$
- (d) $F L^{-3/4} T^{-3/2}$

					Previous Year Questions				
31.	Sand particles are made of [SSC-2013]			39.	9. The most economical section of a rectangular channe				
	(a) Kaolinite	(b) Illite			one having hydraulic radiu	us equal to [SSC-2013]			
	(c) Montmorillonite	(d) Quartz			(a) twice the depth	(b) half the breadth			
32.	A shallow foundation i	s defined as a foundat	ion which		(c) half the depth	(d) twice the breadth			
			[SSC-2013]	40.	In a rectangular channel, the ratio of the specific energy at				
	(a) has low bearing capacity				to the crit	ical depth y_c is [SSC-2013]			
	(b) has a depth of embedment less than its width				(a) 2.0	(b) 1.0			
	(c) is resting on the gournd surface				(c) 1.5	(d) 1.25			
	(d) causes less settlement				The water utilizable by plants is available the form of [SSC-2				
33	If the volume of voids is equal to the volume of solids in a				(a) gravity water	(b) hydroscopic water			
	soil mass, then the values of porosity and voids ratio				(c) capillary water	(d) chemical water			
	respectively are	[SSC-2013]	42.	A surge tank is provided in hy	ydripower schemes to [SSC-2013]				
	(a) 1.0 and 0.0	(b) 0.0 and 1.0	[886 2010]	72.	(a) reduce water hammer pressures (b) reduce frictional losses				
	(c) 1.5 and 1.0	(d) 1.0 and 0.5							
					(c) increase the net head				
34.	The lime stablization is	s very effective in trea	•		(d) strengthen the penstoo	eks			
	() (1 '1	4) 634 3	[SSC-2013]						
	(a) Sandy soils	(b) Silty soils	.,	43.		w fluid, if a velocity potential			
	(c) Non-plastic soils	(d) Plastic clayey	y soll		function ϕ exists which sati	sfies the relation $\frac{\partial^2 \phi}{\partial x^2} + \frac{\partial^2 \phi}{\partial y^2} = 0$			
35.	In open channel flows,	the characteristic leng	gth commonly						
	used in defining the Reynolds number is the [SSC-2013]				then the flow is	[SSC-2013]			
	(a) depth of flow	(b) wetted perimeter			(a) steady incompressible				
	(c) hydraylic radius (d) area/top width				(b) steady laminar and incompressible				
36.	Bulk modulus of a fluid is the ratio of [SSC-2013]				(c) irrotational and incomp				
	(a) shear stress to shear strain				(d) turbulent and incompre	essible			
	(b) increase in volume to the viscosity of fluid				Reynolds number is the ratio of the inertia force to the				
	(c) increase in pressure to the volumetric strain				[SSC-2013]				
	(d) critical velocity to the velocity of fluid				(a) surface tension force	(b) viscous force			
27	The boson of demands	and and	[CCC 2012]		(c) gravity force	(d) elastic force			
37.	The buoyancy depends upon the [SSC-2013] (a) pressure with which the liquid is displaced (b) weight of the liquid displaced (c) viscosity of the liquid (d) compressibility of the liquid				A river training work is generally required when the rive				
					is	[SSC-2013]			
					(a) aggrading type	(b) meandering type			
					(c) degrading type (d) both (A) and (C)				
	(a) compressionity of the	ic riquiu		46.	The populations of a tov	vn as per census records were			
38.	The discharge over a rectangular notch is [SSC-2013]				200000, 210000 and 230000 for the years 1981, 1991 and				
	 (a) inversely proportional to H^{3/2} (b) directly proportional to H^{3/2} (c) inversely proportional to H^{5/2} 				2001 respectively. The population of the town as per				
					geometric mean method in the year 2009 is [SSC-2013] (a) 244872 (b) 285872				
	(d) directly proportiona	al to $H^{5/2}$			(c) 246820	(d) None of the above			

	Previou	us Year Questions
47.	If the stopping distar	nce and average length of a vehicle
	are 18 m and 6 m respe	ectively, then the theoretical maximum
	capacity (vehicles per	r hour) of a traffic lane at a speed of
	10 m/sec is	[SSC-2013]
	(a) 1500	(b) 2000
	(c) 2500	(d) 3000
48.	In highway construction	on on superelevated curves, the rolling
	shall proceed from	[SSC-2013]

- - (a) sides towards the centre
 - (b) centre towards the sides
 - (c) lower edge towards the upper edge
 - (d) upper edge towards the lower edge
- **49.** The permissible limit of arsenic in drinking water as per the huidelines of WHO is [SSC-2013]
 - (a) 0.01 ppm
- (b) 0.01 ppb
- (c) 0.05 ppm
- (d) $0.05 \, ppb$
- **50.** Which one of the following sequences is the most suitable for treating raw durface water to make it suitable for drinking purpose? [SSC-2013]
 - (a) Screening \rightarrow filtration \rightarrow sedimentation \rightarrow disinfection
 - (b) Screening \rightarrow disinfection \rightarrow sedimentation \rightarrow filtration
 - (c) Screening \rightarrow sedimentation \rightarrow disinfection \rightarrow filtration
 - (d) Screening \rightarrow sedimentation \rightarrow filtration \rightarrow disinfection
- **51.** At the point of contraflexure [SSC-2013]
 - (a) Bending moment is minimum
 - (b) Bending moment is maximum
 - (c) Bending moment is zero
 - (d) Bending moment is zero and its sign changes
- **52.** A beam fixed at both ends carries a uniformly distributed load on entire length. The ration of bending moment at the support to the bending moment at mid span is given by [SSC-2013]
 - (a) 0.5

(b) 1.0

(c) 1.5

- (d) 2.0
- **53.** In case of biaxial stress, the maximum value of shear stress is given by [SSC-2013]
 - (a) Difference of the normal stress
 - (b) Half the difference of the normal stresses
 - (c) Sum of the normal stresses
 - (d) Half of the sum of the normal stresses

- **54.** From a circular plate of diameter 6.0 cm, a circle out whose diameter is a darius of the plate. The distance of centre of gravity of the remainder from the centre of circular plate is [SSC-2013]
 - (a) 2.0

(b) 1.5

(c) 1.0

- (d) 0.5
- **55.** In a section undergoing pure bending, the neutral surface is subjected to [SSC-2013]
 - (a) compression strain
- (b) tensile strain
- (c) zero strain
- (d) None of the above
- **56.** The ability of a material to absorb energy till the breaking or rupture takes place is known as **ISSC-20131**
 - (a) Hardness
- (b) Toughness
- (c) Brittleness
- (d) Softness
- 57. A concentrated load W acts at the centre of a simply supported beam of length L. If the load is changed to a uniformly distributed load over the entire span, then the ratio of maximum deflection under concentrated load and under uniformly distributed load will be [SSC-2013]
 - (a) 1.2

(b) 1.3

(c) 1/4

- (d) 8/5
- 58. The shear diagram of a cantilever beam subjected to a concentrated load at the free end is given by a/an

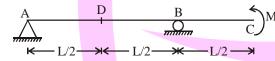
- (a) Triangle
- (b) Rectangle
- (c) Parabola
- (d) Ellipse
- **59.** Deflection of the free end of a cantilever beam having a concentrated load W at mid span is given by [SSC-2013]
 - (a) $WL^3/3$ EI
- (b) 5 WL³/24 EI
- (c) $5 \text{ WL}^3/48 \text{ WI}$
- (d) $WL^{3}/48$ EI
- 60. Of the several prismatic beams of equal lengths and of same material, the beam that can carry maximum load in flexure is the one having maximum [SSC-2013]
 - (a) Depth of section
- (b) Area of cross-section
- (c) Section modulus
- (d) Moment of inertia
- 61. The maximum deflection of a simply supported beam of effective span L and subjected to a central concentrated load W is given by [SSC-2013]

- (a) WL³/8 EI
- (b) WL³/24 EI
- (c) WL³/48 EI
- (d) 5 WL³/384 EI
- **62.** In a Mohr's circle of $\sigma \tau$ plane (σ = normal stress, τ = shear stress), the vertical diameter represents [SSC-2013]
 - (a) Maximum shear stress
 - (b) Maximum normal stress
 - (c) Principal stress
 - (d) Minimum normal stress
- 63. A singly supported beam is carrying distributed load of 'zero' intensity over one support to linearly varying nature of intensity 'w' over the other support. The shape of BMD will be [SSC-2013]
 - (a) linear
- (b) parabolic
- (c) cubical parabolic
- (d) zero
- **64.** The maximum dimension of a core section for a tretangular cross-section under eccentric loading on a column ($b \times d$) is [SSC-2013]
 - (a) b/6

(b) d/6

(c) d/8

- (d) b/2 and d/3
- **65.** Shear force at the mid-span point D in the following beam is [SSC-2013]



(a) zero

(b) 2 M/L

(c) M/L

- (d) 3 M/L
- 66. Two identical simply supported beams of span 'l' are subjected to equal load 'W'. One beam id carrying the load 'W' at its centre (as carrying it in the form of u.d.l. over the entire span. The ratio of their mid-span bending moment will be [SSC-2013]
 - (a) $\frac{1}{2}$

(b) 2

(c) 4

- (d) 8
- **67.** Angle of twist of a circular shaft under the action of a torsional moment T is given by [SSC-2013]
 - (a) GJ/TL
- (b) TL/GJ
- (c) TJ/GL
- (d) TG/JL

Previous Year Questions

- **68.** A structure which offers negligible or zero ressitance on bending at any point is known as [SSC-2013]
 - (a) Beam
- (b) Girder
- (c) Lintel
- (d) Cable
- **69.** The curvature at any point $\left(\frac{1}{R}\right)$ along the curve representing the deformed shape of a beam is given by [SSC-2013]

(a)
$$\pm (dy/dx)/\left[1+\frac{d^2y}{dx^2}\right]^{1/2}$$

(b)
$$\pm \left(d^2y/dx^2\right)/\left[1+\frac{dy}{dx}\right]^{3/2}$$

(c)
$$\pm (d^2y/dx^2)/\left[1+\frac{d^2y}{dx^2}\right]^{1/2}$$

(d)
$$\pm (dy/dx^2)/\left[1+\frac{d^2y}{dx^2}\right]^2$$

- 70. The moment required to rotate the near and end of a prismatic beam through unit angle, without translation, the far end being fixed is [SSC-2013]
 - (a) EI/L
- (b) 2 EI/L
- (c) 3 EI/L
- (d) 4 EI/L
- 71. A retaining wall of trapezoidal section having base which 'b' retains earth at its back. For no tension to be developed at base, the resultant force will intersect the base from centre line of the line, within a distance of [SSC-2013]
 - (a) b/3

(b) b/4

(c) b/5

- (d) b/6
- **72.** The initial setting time of Ordinary Portland Cement (OPC) is [SSC-2013]
 - (a) 10 min
- (b) 30 min
- (c) 45 min
- (d) 60 min
- **73.** The equivalent stiffness of two springs of stiffness S_1 and S_2 joined in series is given by S = [SSC-2013]
 - (a) $S_1S_2/(S_1 + S_2)$
- (b) $(S_1/S_2)/(S_1 + S_2)$
- (c) $S_1 + S_2$
- (d) $S_1 S_2$
- **74.** Buckling load for an axially loaded column with both ends fixed is given by [SSC-2013]
 - (a) $\pi^2 EI/l^2$
- (b) $2\pi^2 EI/l^2$
- (c) $4\pi^2 EI/l^2$
- (d) $\pi^2 EI/(4l^2)$

Previous Year Questions

- **75.** Poisson's ratio μ is defined as the ratio of [SSC-2013]
 - (a) axial strain to transverse strain
 - (b) axial strain to shear strain
 - (c) transverse strain to axial strain
 - (d) shear stain to axial strain
- **76.** In a thin cylinder shell, the ratio of longitudinal stress to **ISSC-20131** hoop stress is
 - (a) 0.5

(b) 1.0

(c) 1.5

- (d) 2.0
- 77. The grade of concrete M 20 means that characteristic compressive strength of 15 cm cubes after 28 days is given [SSC-2013] by
 - (a) 10 N/mm²
- (b) 15 N/mm²
- (c) 20 N/mm²
- (d) 25 N/mm²
- 78. You are asked to construct a massive concrete dam. The [SSC-2013] type of cement you will use is
 - (a) Ordinary portland cement
 - (b) Rapid hardening portland cement
 - (c) Low heat cement
 - (d) Blast furnace slag cement
- 79. The object of curing is not to **ISSC-20131**
 - (a) prevent the loss of water by evaporation
 - (b) reduce the shrinkage of cement concrete
 - (c) preserve the properties of concrete
 - (d) reduce the strength of concrete
- **80.** Which of the following is added for quick setting of cement?

[SSC-2013]

- (a) Gypsum
- (b) Alum
- (c) Zinc sulphate
- (d) Aluinium sulphate
- 81. High percentage of C₂S and low percentage of C₂S in a cement will result in **ISSC-20131**
 - (i) rapid hardening
 - (ii) high early strength with high heat generation
 - (iii) more resistance to chemical attact

The correct answer is

- (a) Only (i)
- (b) Only (iii)
- (c) Both (i) and (ii)
- (d) Both (ii) and (iii)

82. As per IS 456, splitting tensile-strength (f_w) of concrete may be estimated from compressive stength as

[SSC-2013]

- $\begin{array}{lll} \text{(a)} \ \ f_{cr} = 0.65 \sqrt{f_{ck}} & \text{(b)} \ \ f_{cr} = 0.7 \sqrt{f_{ck}} \\ \text{(c)} \ \ f_{cr} = 0.75 \sqrt{f_{ck}} & \text{(d)} \ \ f_{cr} = 0.8 \sqrt{f_{ck}} \end{array}$

- 83. Maximum admissible water-cement ratio for mild [SSC-2013] environmental exposure should be
 - (a) 0.55

(b) 0.50

(c) 0.45

- (d) 0.40
- **84.** Air entrainment in the concrete increases [SSC-2013]
 - (a) workabilty
 - (b) strength
 - (c) the effect of temperature variation
 - (d) the unit weight
- 85. The minimum horizontal distance between two main reinforcement bars shouls be [SSC-2013]
 - (a) diameter of larger bar or 5 mm more than the nominal maximum size of coarse aggregate, whichever is higher
 - (b) 5 mm more than the nominal size of the aggregate only
 - (c) 5 mm more than the diameter size of the aggregate only
 - (d) None of the above
- **86.** During the manufacture of Portland cement, gypsum or Plaster of Paris is added to [SSC-2013]
 - (a) increase the strength of cement
 - (b) modify the colour of cement
 - (c) reduce heat of hydration of cement
 - (d) adjust setting time of cement
- **87.** Minimum percentage of tension steel in an RCC beam for Fe 500 steel is [SSC-2013]
 - (a) 0.12

(b) 0.17

(c) 0.22

- (d) 0.80
- 88. As per IS 456, the effective length cantilever shall be taken as
 - (a) clear span

- (b) clear span + effective depth/2
- (c) clear span + effective depth
- (d) clear span + effective width

89. If the modular ratio is 'm', stress ratio in steel and concrete is 'r', then the critical neutral axis constant 'k' is given by

[SSC-2013]

- (a) m/(m-r)
- (b) m/(m + r)
- (c) (m + r)/m
- (d) m^2/r
- **90.** For two way action, i.e. punching shear, the calculated shear stress, τ_y , should satisfy the following relation $\tau_y \leq k_s \tau_c$, where τ_c according to working stress method is expressed as

[SSC-2013]

- (a) $0.1\sqrt{f_{ck}}$
- (b) $0.16\sqrt{f_{ck}}$
- (c) $0.25\sqrt{f_{ck}}$
- (d) $0.4\sqrt{f_{ck}}$
- 91. Diagonal tension in a reinforced concrete beam [SSC-2013]
 - (a) is maximum at neutral axis
 - (b) decreases below neutral axis and increases above neutral axis
 - (c) increases below neutral axis and decreases above neutral axis
 - (d) remain constant throughout the depth
- **92.** In a singly reinforced beam, if the permissible stress in concrete reaches earlier than the permissible stress in steel the beam section is called [SSC-2013]
 - (a) Under reinforced section
 - (b) Over reinforced section
 - (c) Balanced section
 - (d) Economic section
- 93. If σ_s is the stress in bar and τ_{bd} is the design bond stress, then the development length of a bar of diameter ϕ is given by [SSC-2013]
 - (a) $\frac{4\phi\sigma_s}{\tau_{bd}}$
- (b) $\frac{\phi o_s}{4\tau_{bd}}$
- (c) $\frac{2\phi\sigma_s}{3\tau_{bd}}$
- (d) $\frac{\varphi \sigma_s}{3\tau_{bd}}$
- **94.** Side face reinforcement shall be provided in the reinforced concrete beam when depth of web in the beam exceeds

[SSC-2013]

- (a) 500 mm
- (b) 750 mm
- (c) 1000 mm
- (d) 1200 mm

Previous Year Questions

- **95.** A cantilever retaining wall should not be used for heights more than [SSC-2013]
 - (a) 4 m
- (b) 6 m

(c) 8 m

- (d) 10 m
- 96. The minimum edge and end distance from the centre of any hole to the nearest flame cut edge shall not be less than [SSC-2013]
 - (a) 1.5 times hole dia
- (b) 1.7 times hole dia
- (c) 2 times hole dia
- (d) 1.5 times bolt/rivet dia
- **97.** The distance between two rivets measured perpendicular to the direction of applied force is known as [SSC-2013]
 - (a) pitch
- (b) gauge
- (c) staggered pitch
- (d) edge distance
- 98. For simply supported beam, the allowable deflection shall not exceed [SSC-2013]
 - (a) 1/325 of span
- (b) 1/350 of span
- (c) 1/375 of span
- (d) 1/400 span
- **99.** The beams supporting the stair steps, are generally known as [SSC-2013]
 - (a) headers
- (b) trimmers
- (c) stringers
- (d) spandrel beam
- 100. Maxmimum size of a fillet weld for a plate of square edgeis [SSC-2013]
 - (a) 1.5 mm less than the thickness of the plate
 - (b) one-half of the thickness of the plate
 - (c) thickness of the plate itself
 - (d) 1.5 mm more than the thickness of the plate

Answer Key									
1	D	2	А	3	D	4	А	5	С
6	В	7	D	8	D	9	А	10	D
11	D	12	В	13	С	14	D	15	В
16	В	17	Α	18	18 A		В	20	D
21	С	22	В	23	D	24	В	25	А
26	D	27	А	28	С	29	С	30	А
31	D	32	В	33	None	34	D	35	С
36	С	37	В	38	В	39	С	40	С
41	С	42	Α	43	С	44	В	45	В
46	В	47	Α	48	С	49	Α	50	D
51	D	52	D	53	В	54	D	55	С
56	В	57	D	58	В	59	С	60	С
61	С	62	А	63	В	64	D	65	С
66	В	67	В	68	D	69	В	70	D
71	D	72	В	73	А	74	C	75	С
76	Α	77	С	78	С	79	D	80	D
81	С	82	В	83	А	84	А	85	Α
86	D	87	D	88	С	89	В	90	В
91	С	92	В	93	В	94	В	95	В
96	В	97	В	98	Α	99	С	100	Α