

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
1	Grade of high yield strength deformed bar used in RCC is	2	Fe-1000	Fe-415	Fe-1400	Fe700
2	Cement older than 3 months losses its strength by	3	30%	25%	20%	No loss
3	53 Grade cement refers to	2	Weight of cement per bag.	Strength of cement	strength of concrete	Age of cement.
4	Water used for concrete mixing and curing shall be	4	Any water	Mineral waer	Distilled water	Potable water
5	Curing for concrete shall be done for	2	90 days	28 days	14 days	7 days
6	The line joining equal amount of Rainfall at Rainguage stations is	3	ISO bars	contours	ISO hyets	ISO therm
7	Water cement ratio is the ratio of water to cement by	1	By weight	by Volume	by strength	None
8	A watertight structure constructed during excavation of foundation in river bed is known as	3	Raff foundation	Well foundation	Cofferdam	Pick up weir
9	Bricks are burnt at temperature from.	3	300 ⁰ C to 500 ⁰ C	500 ⁰ C to 700 ⁰ C	700 ⁰ C to 1000 ⁰ C	1000 ⁰ C to 1200 ⁰ C
10	The curves of roads are provided with For saftey of vehicles.	3	Camber	Slope	Super elevation	Flat surface
11	The final setting time for ordinary portland cement shall be	4	30 min	60 min	100 min	600 min
12	As per I.S. specifications temperature for curing is	2	10 ⁰ C	27 ⁰ C	17 ⁰ C	42 ⁰ C
13	Air seasoning for soft wood is done for	4	15 to 30 days	30 to 60 days	60 to 90 days	90 to 120 days
14	Effect of Bulking of sand is because of	1	Moisture in sand	Temperature of sand	Silt in sand	Size of sand particles.
15	The water cement ratio principle was established by	3	Dr. Terzagi	Atterberg	Duff abram	Plowman
16	The area from which a dam receives water for storage is	2	Command area	Catchment area	Submercible area	Aquired area
17	Approximate density of concrete shall be	3	1200 Kg/m ³	1800 Kg/m ³	2240 Kg/m ³	3000 Kg/m ³
18	Total quantity of A.C. sheets required for covering 100 sqm is	3	100 Sqm	90 Sqm	115 Sqm	135 Sqm
19	In a load test of a slab the maximum load applied is equal to	1	1.25 times design load	Design load	Les than design load	1.5 times design load

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20	In manning's formula $V = \frac{1}{n} R^{2/3} S^{1/2}$ R indicates ratio of	1	Area wetted parameter	Wetted parameter area	Area Total parameter	None
21	Effect due to obstruction in the water way is called	3	Fetch	Flood lift	Afflux	Wave height
22	The liquid and plastic limits exist in	4	Sandy soils	Silty soils	Gravel soils	Clay Soils
23	The ultimate bearing capacity of soil is	3	Total load on bearing area	Safe load on bearing area	Load of which the soil fails	Load of which soil consolidates
24	The discharge through canal is measured at	1	SWF	Escape	Cross regulator	Siphon
25	The curve composed of two arcs of different radius, curving in opposite directions is known as	3	Simple curve	Compound curve	Reverse curve	Vertical curve
26	In M-20 concrete, M represents	2	Maximum size	Mix	Material size	Mass concrete
27	Water loss in litre / min / m depth at pressure 10 kg/cm^2 is termed as	4	Loss/min	Litres/min	litres/meter	Lugeon
28	Cement required for construction of one cubic meter of concrete of M-20 grade.	2	6.7 bags	7.6 bags	8.3 bags	6.3 bags
29	In coarse rubble masonry the mortar joint shall be less than On face work.	3	10 mm	15 mm	12 mm	20 mm
30	Maximum area of tension reinforcement in beam shall not exceed the area of concrete.	4	1.50%	1.00%	2%	4%
31	In colgroute masonry with W/c ratio 0.84 for grout , water to be added for one 50 kg bag mix is	2	84 Ltr	42 ltr	21 ltr.	20 Ltr.
32	The liquid and plastic limits predominately exist in ..	3	Gravel soils	Silty soils	clay soils	Sandy soils
33	The vertical distance between the wall plate and top of the ridge is called....of roof	1	Rise	Pitch	Templet	Gable
34	Steel in RCC beam takes	3	Dead load	live load	Tension	Compression
35	The mortar of the masonry joints to be covered by painting is raked out at list to a depth of	2	10 mm	20 mm	25 mm	30 mm
36	A section with more steel reinforcement than balanced section is called	2	Under reinforcement	Over reinforced	Balanced	None of this

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37	Distemper is used on	4	Brick walls	Concrete surface	Plastered surfaces exposed to weather	Plastered surfaces not exposed to weather.
38	The shrinkage in a concrete slab	2	Causes shear cracks	causes tension cracks	Causes compression cracks	Does nt cause only cracking
39	Safe permesible load for brick masnory in c.m. first class ...	2	75 ton / m ²	88 ton / m ²	95 ton / m ²	100 ton / m ²
40	The slump taste of concrete is used to measure its	4	Impact value	Homogencity	Tensile strength	Consistency
41	The fulform of M.D.D.L.	2	Maximum draw down level	Minimum draw down level	Maximum drawing drought level	Minimum drawing drought level
42	The unit weight per cubic meter of mild steel	2	7500 kg / m ³	7850 kg / m ³	8000 kg / m ³	8200 kg / m ³
43	The vertical members to which shutters are attached are called as.	4	Frame members	Post upright	Jambs	All of these
44	The horizontal memers at the top of the frame is called as	1	Head	Sill	Horn	None of this
45	Which of the following roofs are sloping roofs?	4	Lean of roof	Couple closed roof	Queen post truss	All of the above
46	The purpose of the linseed oil is	3	For paints of superior quality	For paints of delicate colours	For paints of common material	All of the above
47	Minimum compressive strength of hollow load bearing blocks should be	1	4.5 N / mm ²	15 N / mm ²	10 N / mm ²	20 N / mm ²
48	The fullform of OMC	2	Ordinary moisture content	Optimum moisture content	Ordinary metal concrete	Optimum metal concrete
49	Concrete consists of	4	Cement	Sand	Aggregates	All of the above

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50	RMC is short form of	2	Roal metal chart	Ready mix concrete	Real moisture content	Rational mix concrete
51	Platform at the end of series of steps is known as	3	Stop	Relaxing	Landing	All of the above
52	Base course of lean concrete below spread footing is the praportion	2	1:2:4	1:4:8	1:8:16	1:3:6
53	Form work of props to beams and arches spanning over 6 m can be removed after	4	7 Days	4 days	14 days	21 days
54	Lift becomes essential in a building when the number of floors exceeds.	2	2	3	4	6
55	Movable barrier or shutter component is	4	Style	Rail	Panel	All of this
56	Fullform of S.W.F.	4	Super wave floor	short wave flow	short wave flume	standing wave flume
57	The unit weight per cubic meter of water	2	950 kg/m ³	1000 kg/m ³	1100 kg/m ³	1200 kg/m ³
58	If the soil is water logged its bearing capacity may be improved by	3	Compaction	Grouting	Drainage	Chemical treatment
59	If foting supports more than two columns it is called	1	Continous foting	Combined foting	strip foting	strap foting
60	An ordinary scaffolding consists of	4	Braces	Bridle	Raker	All of the above
61	Flooring measurement are taken on the basis of	3	Unit length	unit cubical content	unit area	None of the above
62	Heavy floods cause	4	Failure of foundation	errorosion of soil	undermining below foundatin	All of the above
63	Queen post trusses are used when the span is	4	8 to 12 m	5 to 8 m	8 to 10 m	more than 15 m
64	The units of measurement for expansion joint	1	Unit length	unit area	cubic content	nos
65	The removal time of form work depends on	4	Size, shape of the member	The concrete mixed used	type of cement used	All of the above

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66	Mat foundation is also known as	2	Strap	Raft	Solted	Deep
67	Form work of propos to slabs spaning upto 4.5 m can be removed afer	4	25 hours	10 days	14 hours	1 days
68	The functions of foundation are	4	Carrying the loads to form strata	To offer stability against upilt forces	minimize differential	All of the these
69	Minimum depth of foundation is	1	90 cm	100 cm	120 cm	150 cm
70	Differential settlement is due to	3	Unequal load intensity	Difference in compressibility of the stata below	(a) and (b) or (1) and (2)	None of these
71	Failure of foundation is observed because of	3	Excassive uniform settlement	Differential settlement	Both (1) and (2)	none of these
72	Grillage foundation is to be provided when.	3	Resting on soil with low bearing capacity	Heavy load is acting on steel colums	Both (1) and (2)	None of the above
73	Combined footing is provided in case of.	4	Loads on adjacent colums are high	Relatively less bearing capacity of the soil	Possibility of heavy differential settlement	All of these
74	Depth of excavation in case of grillage foundaton is limited to	2	1 to 1.2 m	1.2 to 1.5 m	1.5 to 1.8 m	1.8 to 2 m
75	Raft foundation is provided when	4	B.C. of soil is less or of doubtful nature	Load are heavy & hence spread footings covers more than 5% of entire area	It is difficult to control differential settlement	All of these

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76	Pile foundation is preferred when	4	Load are heavy & possibility of differential settlement at shallower depth	Water table is high or strata is of expansive soil	seepage chances with location of structure in deep sea or so.	All of these
77	Most commonly used building stone in maharashtra is	1	Basalt	sand stone	quartzite	marble
78	Masonry may be broadly classified into categories viz. are	4	Stone masonry	brick masonry	concrete block masonry	all of these
79	Rubble masonry is classified into.	4	Coursed rubble masonry	dry rubble masonry	polygonal rubble masonry	all of these
80	When the bricks are laid with their length parallel to the face or front direction of the wall, the course is known as	2	King closer course	stretcher course	queen closer course	header course
81	Water absorption of good burnt clay brick should be	1	less than 20% by weight	less than 30% by weight	less than 10% by weight	less than 35% by weight
82	The process of taking out stones of various sizes from natural rocks is known as	4	Pitching	dressing	seasoning	quarrying
83	The horizontal distance between the vertical joints in successive courses is termed as	4	Closer	perpend	header	lap
84	If the load coming on to pile is transferred to a suitable bearing stratum at its bottom end then it is called.	3	sheet pile	friction pile	bearing pile	compaction pile
85	The exterior corner of wall is known as	3	perpend	jamb	quoin	frog
86	The tools used by the masons to check the verticality of wall is	4	Square	spirit level	nicker	plumb bob
87	Stretcher bond is possible only in	1	half brick wall	one brick wall	one & half brick wall	wall of any thickness
88	When two walls separated by small gap, are connected together by pins, it is called.	3	Partition wall	double wall	cavity wall	compound wall

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89	Expansion joints in masonry walls are provided if length of wall exceeds	3	10 m	25 m	40 m	50 m
90	When first class bricks are immersed in water for one hour, the weight of water absorbed by them should not exceed.	3	115 th weight of brick	114 th weight of brick	116 th weight of brick	112 th weight of brick
91	The bond in which each course consists of alternate stretchers & headers is known as.	2	English bond	flemish bond	racking bond	dutch bond
92	Sand used for manufacturing of concrete block should pass through	3	IS 15 mm sieve	IS 12 mm sieve	IS 1.2 mm sieve	IS 0.12 mm Sieve
93	Cavity wall is wall comprising of	3	Two perpendicular wall	two parallel wall	two parallel walls with space between them	none of these
94	For walls, beams, columns, sides the forms can be removed within	1	16 to 24 hours	12 to 24 days	2 to 4 hours	2 to 4 days
95	Forms are the	1	moulds & dies for concrete construction	Important weighing system in concrete	batching process of concreting	none of the above
96	Suitable temperature range of water for curing is	1	10 to 40 ⁰ C	0 to 10 ⁰ C	10 to 15 ⁰ C	none of these
97	Which of the following joints are provided in concrete structures?	4	Construction joints	expansion joints	contraction joints	all the above
98	Functional requirement of good flooring.	4	It should be durable	It should be easy to clean	It should have good appearance	all of these
99	Basement floor is nothing but	2	Floor constructed between two parapets	any accommodation or floor constructed below the natural ground level	floor space provided above slab of WC and bath	None of these

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100	Functional requirement of good flooring	4	as far as possible it should be noiseless	It should be free from dampness	It should have low maintenance cost	all of these
101	Which of the following are commonly used roof covering?	4	Mangalorian tiles	asbestos - cement sheets	galvanized corrugated sheets	all of these
102	Purlins are provided	1	To inter - connect trusses & to support common rafters	to support roof covering	to take the load of roof	all of these
103	An openable barrier to enter into volumetric space of a room is known as	1	Door	window	ventilator	none of these
104	Location & number of doors, follows, the following guidelines	4	Positioned preferably in opposite walls	northern aspect for diffused daylight	prevalent wind direction	all of these
105	The area of the window ranges between	2	1/12 th to 1/10 th of floor area	1/8 th to 1/5 th of floor area	1/6 th to 1/4 th of floor area	none of these
106	The biggest disadvantage of bricks flooring is that	3	It is very expensive	it required skilled worked man	it is water absorbent	it is not fire resistant
107	The number of vertical posts is in a queen posts truss is	2	1	2	more than two	any number
108	The material commonly used to cover the pitched roof with steel trusses is	4	Thatched covering of reed or straw	tiles	wood shingles	asbestos cement sheets
109	Average weight of mangalore tiles should be between	1	3 to 6 kg	1 to 1.5 kg	5 to 8 kg	5.5 to 1.5 kg
110	The unsupported overhang of AC sheet should not be	1	More than 30 cm	more than 100 cm	less than 30 cm	more than 60 cm

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111	Purposes served by a window are	3	admittance of light and air	viewing outside	Both (1) and (2)	none of these
112	Width of lintel is generally	1	equal to width of wall	equal to half to width of wall	twice the width of wall	all of these
113	In modern time RCC lintels are extensively used because	4	They are fire proof	durable and strong	easy to construct	all of these
114	The horizontal distance measured perpendicular to the front & back faces of arch is known as.	3	height	depth	breast thickness	span
115	The contraction joints in structure are installed to allow for	2	compression movement	shrinkage movement	repelling water	entry of water for curing
116	Louvered window is also known as	2	Refrigerator window	ventilating window	private window	none of these
117	In case of framed and panelled doors, the ratio of glazed to panelled portions is	2	1:1	2:1	01:02	none of these
118	Normally opted cross-section of stile for the shutter is	1	100 mm x 40 mm	120 x 50 mm	120 x 40 mm	none of these
119	The combination of king post truss & queen post truss is used when the span is	3	> 5 m	5 to 8 m	8 to 12 m	> 12 m
120	Timber & plywood are the most commonly used materials for form work	1	They are easily available	they are cheap	they can cut or assembled easily on site	None of the above
121	Which of the following materials required for stone masonry?	4	stones of mortar	stones & lime	stones & mud	all of these
122	Single stone passing from front to back face & acts as a bond is known as	1	Through stone	cornice	Jambs	quoins
123	Form work of props to slabs spanning more than 4.5 m can be removed after	3	25 hours	5 days	14 hours	7 days
124	What type of flooring will you suggest for W.C. or bathroom?	3	Rough shahabad	wooden	glazed tile flooring	none of these
125	Flooring in the bathroom and kitchens of posh residential building is	4	mosaic flooring	glass flooring	granolithic flooring	marble flooring

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126	A truss is called composite truss when	4	It has to slopes in each side	it is combination of king & queen post trusses	it is made of two different material	it has both valleys & hips
127	A.C. sheets are laid from right to left starting at	4	purlins	ridge	verge	eaves
128	Lean to roof is provided when span limited to	3	3.8 m	4.1 m	2.5 m	0.8 m
129	Jambs represent the Side of the vertical member of the frame	1	inner	outer	Both (1) and (2)	none of these
130	To provide additional M.S. flats that remain embedded in masonry is known as	4	Head	threshold	sill	hold fasts
131	The outer vertical & horizontal members of a shutter are termed as	1	styles - rails	head - rails	head - sill	none of these
132	Area enclosed between styles and rails & made up of glass or timber is	1	panel	louver	architrave	putty
133	Mixture of is known as putty, used for fixing glass panels	1	linseed oil and whiting chalk	lime and thinner	lime and water	none of these
134	Rising butt hinge is used for the following purpose	2	Thin shutter fixation	clearing the obstructions like carpets	heavy doors	none of these
135	Parliamentary hinge provides rotation through	3	90°	270°	180°	none of these
136	Norfold or thumb latch offers to the doors	3	privacy	security	Both (1) and (2)	none of these
137	Light admittance only is achieved through	1	glazed - fixed	glazed movable	Both (1) and (2)	none of these
138	Lowered windows are responsible for	3	light & ventilation	light & privacy	ventilation & privacy	none of these
139	Sliding doors occupy less space with at the top & bottom	3	nails	rebates	runners / guides	none of these
140	In case of buildings where predominant pedestrian traffic is	2	flush	revolving	collapsible	none of these
141	For counter balancing the door are enclosed in the drum	1	ball bearings	weights	hinges	helical springs

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142	Plastic doors are preferred for both & WC's as they are right	4	light in weight	easy to clean	water proof	all of these
143	Usual locations of siding window are in case of	4	Residences	shops	banks	all of these
144	Pointed arch is also known as	3	Segmental arch	horse shoe arch	gothic arch	none of these
145	The sides of the abutments or piers below the springers lines is called as	1	jamb	spandril	import	springers
146	Lintel is horizontal structural member which is fixed	1	over opening	used as column	used to support slab	none of these
147	As a rule, the depth of lintel can be adopted as	1	1/12 of span	1/20 of span	1/30 of span	1/50 of span
148	The usual concrete mix for RCC lintels is	3	1:1:2	1:4:8	1:2:4	1:3:6
149	In RCC lintel minimum no. of reinforcement bars should be	2	2	4	6	3
150	The lintel formed by using frog bricks is termed as	3	forged lintel	gully lintel	joggled brick lintel	none of these
151	Rubbing ends of shutters of revolving doors prevent	2	Drag of air	drought of air	Both (1) and (2)	none of these
152	Threshold is provided at the	4	top level of frame	top level of frame on wall	bottom level of the frame	attached to floor
153	The recess made to receive the shutter is called as	3	jamb	reveal	rebate	none of these
154	Spring hinge provides to door	4	Lift	pull	push	swing
155	The vertical members used to subdivide the shutter is termed as	4	post	transom	holdfast	mullion
156	For the areas subjected to vermine attack or dampness the material used for frames.	3	R.C.C.	dressed stones	Both (1) and (2)	none of these
157	The minimum width of lock & bottom rail is mm	2	100	150	175	200
158	Lintels are usually	3	circular in shape	triangular in shape	rectangular in shape	none of these
159	The best curing method for concrete is	4	fogging	moist fabric cover	plastic sheet	ponding
160	The roof which slopes in all the four direction is	2	gable roof	hip roof	gambrel	mansard roof

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161	Timber flooring is preferred in	3	all residential buildings	only bath room	auditorium and dancing halls	public building
162	In king post truss there will be	1	only one vertical post	only two vertical post	more than two vertical post	any no of vertical post
163	In lean to roof inclination of common rafter is limited to	1	30 ⁰	45 ⁰ ceiling	60 ⁰ battens	none of these
164	The lower most part of pitched roof is	3	roof covering	battens	common rafter	cleat
165	The type of flush door is	4	solid core	cellular core	hollow core	all of these
166	Swing doors have meeting styled without	1	rebate	reveal	Both (1) and (2)	none of these
167	Form work	2	is temporary arrangement for repair works	moulds the concrete to desired size & shape	batching process in concreting	none of the above
168	Expansion & contraction joints in concrete structure are provided to	1	allow for changes in volume of concrete due to temperature	repealing water	entry of water for curing	none of the above
169	The lower surface of bricks or stone of each course is called as	3	face	back	bed	front
170	The process of giving definite & regular shape with smooth face is known as	2	Pitching	dressing	seasoning	quarrying
171	When brick is cut into two halves longitudinally, one part is known as	2	king closer	queen closer	cornice brick	vousoir
172	Which tests are carried out on bricks to test its quality?	4	compressive strength	water absorption	soundness	all of these
173	When two or more individual column footing are joined by beam it is called	4	strip footing	step foot	combined footing	strap footing
174	The covering of exposed top of wall is called	3	cornice	corbel	coping	cramp

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175	A tool used by meson for filling & spreading mortar and to cut bricks is	1	trowel	hammer	scotch	bolster
176	A load bearing partition wall is called	2	external wall	internal wall	cavity wall	compund wall
177	G.I. sheets are fixed with special screw & washer driven through the hole drilled in	3	side of corrugations	bottom of corrugations	crowns of corrugations	all of these
178	Thumb rule for sill height for residential building is that the sill height should be is between	3	0.1 to 0.6	0.7 to 1.0	0.1 to 1.5	none of these
179	To receive and hold glass Is used in shutter	2	louver	sash bar	architecture	mullion
180	In case of swing door following type of hinge is provided	3	butt	strap	spring	none of these
181	In case of lowered doors / windows the lower edge of the louver on outer side is below the upper edge of the louver below on the inner side.	1	true	false	cant say	none of these
182	Base cause of lean concrete below spread footing is the proportion	2	1:8:16	1:4:8	1:2:4	none of these
183	Grillage foundation is to be provided when	1	Resting on soil with low bearing capacity	Less load acting on columns	Both (1) and (2)	none of these
184	Minimum compressive strength of hollow load bearing blocks should be	4	15 N / mm ²	10 N / mm ²	1.0 N / mm ²	4.5 N / mm ²
185	The best curing method for concrete is	3	Fogging	Moist fabric cover	ponding	plastic sheet
186	Which of the following materials are employed for floor finish?	4	Marble	Mosaic	Wood	All the above
187	Purposes served by a window are	3	admittance of light and aire	viewing outside	Both (1) and (2)	none of these
188	As a rade, the depth of lintel can be adopted as	2	1/20 of span	1/12 of span	1/50 of span	1/30 of span
189	Partial ventilation and privacy can be achieved through	1	Ventilator	door	window	none of these
190	What type of flooring will be you suggest for kitchen otta?	3	slate	PVC	Kadappa	wooden
191	Component of pitched roof	4	basement	header	gable end	cleat
192	For walls, beams, columns, sides the forms can be removed within	4	2 to 4 days	12 to 24 days	2 to 4 hours	16 to 25 hours
193	Course of stone or P.C.C. which is laid at top wall so as to protect the wall from rain is known as	2	Lintel	coping	cornice	facing
194	A footing which supports two columns is known as	3	step footing	strip footing	combined footing	continuous footing

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195	The minimum depth of the foundation below the ground in any soil is	4	200 cm	160 cm	120 cm	80 cm
196	Cavity wall is wall comprising of	1	Two parallel walls with space between them	two parallel walls	two perpendicular walls	none of these
197	Vicat apparatus is used for	2	finest test	consistency test	setting time test	soundness test
198	M150 grade of concrete means	1	1:3:6 mix	1:1:2 mix	1:2:4 mix	1:1.5:3 mix
199	Workability of concrete is measured by	3	vicat apparatus test	minimum void method	slump test	none of these
200	The rock which is not calcareous is	3	limestone	chalk	laterite	mad
201	Construction joints are generally provided in concrete for	4	roads	retaining walls	lining of canals	all of these
202	A low wall built out into the sea more or less perpendicular to the coast line is called as	3	Break water	break wall	groins	shore wall
203	The operation of removing material from the sea or river bed is known as	1	Dredging	digging	picking	none of these
204	Depth of borings for soil investigation is generally kept below low water level	4	30 m	35 m	40 m	45 m
205	The important component of a sea port is	4	Terminal building	the docks	the harbor	all of these
206	The low water datum for a lake is defined as the surface of the lake when it is at elevation	2	180 m above M.S.L.	180.5 m above MSL	170.5 m above MSL	200.0 m above MSL
207	A hydrographic map, the following features are shown	4	datum	high & low water lines	depth contours	all of these
208	Curing a concrete for long period insures better	4	volume stability	strength	water resistance	all of these
209	For the construction of cement concrete floor the maximum permissible size of aggregate is	4	4 mm	6 mm	8 mm	10 mm

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210	The process of proper and accurate measurement of concrete ingredients for uniformity of proportion is known as	1	Batching	curing	mixing	grading
211	Transport of concrete by pumps is done for a distance of	4	100 m	200 m	300 m	400 m
212	The high strength of rapid hardening cement at early stage is due to its	3	finer grinding	burning at high temperature	increased lime cement	higher content of tricalcium
213	For road pavements the cement generally used is	2	Ordinary port land cement	rapid hardening cement	low heat cement	blast furnace cement
214	Which one of the following lines is used for tying a ship with a dock	4	bow line	stern line	spring line	all of the above
215	The minimum and maximum diameters of sewers shall preferably be	2	15 cm to 100 cm	15 cm to 300 cm	30 cm to 450 cm	60 cm to 300 cm
216	The construction estimate of a project is used by	4	the owner of the facility	the consulting engineer	the contractor	all of these
217	The wages of supervisors and material handlers are charged as	1	overhead	direct labour cost	indirect labour cost	none of these
218	I.S. recommends to provide certain minimum steel in a RCC beam	2	to insure compression failure	to avoid rupture of steel	to hold the stirrup steel in position	to provide enough ductility to the beam
219	Shear stress develops on a fluid element, if	4	The fluid is at rest	the fluid container is subject to uniform linear acceleration	The fluid is inviscid	The fluid is viscous & the flow is non uniform

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
220	The ruling minimum radius of horizontal curve of a national highway in plain terrain for ruling design speed of 100 km / hour with $e = 0.07$ & $F = 0.15$ is close to	2	250 m	360 m	36 m	300 m
221	consolidation in soils	3	is a function of the effective stress	does not depend on the present stress	is a function of the pore water pressure	is a function of the total stress
222	The minimum area of tension reinforcement in a beam shall be greater than	1	$0.85 b d / f_y$	$0.87 b d / f_y$	$0.04 b d$	$0.4 b d / y$
223	In reinforced concrete, pedestal is defined as compression member whose effective length does not exceed its least dimension by	2	12 times	3 times	16 times	8 times
224	The permissible bending tensile stress in concrete for the vertical wall of an R.C. water tank made of M25 concrete is	4	8.5 N / mm^2	6 N / mm^2	2.5 N / mm^2	1.8 N / mm^2
225	In a compaction test, as the compaction effort is increased the optimum moisture content	1	decreases	remains the same	increased	none of these
226	Minimum value of camber provided for thin bituminous surface hill roads is	2	2.20%	2.50%	3.00%	3.50%
227	The external corners or angle of wall are called as	1	quoins	jambes	reveals	coping
228	The exposed vertical surface at right angle to the door and window frames are known as	3	heads	through stone	reveals	none of these
229	Course of stone or PCC which is laid at top wall so as to protect the wall from rain, is known as	2	cornice	coping	facing	lintels
230	When a canal is carried over a natural drain the structure provided is known as	2	siphon	aqueduct	super passage	all of the above
231	The main function of a diversion headworks of a canal from a river is	4	to remove silt	to control floods	to store water	to raise water level
232	The crest level of a canal diversion headwork depends upon	4	FSL of the canal	discharge perimeters	pond level	All of these
233	A river training work is generally required when the river is	1	Meandering	aggrading	degrading	All of these
234	The maximum area of tension reinforcement in beams shall not exceed	3	0.15%	1.5%	4%	0.0
235	The minimum number of main steel bars provided in RCC	4	rectangular columns is 4	circular columns is 6	octagonal columns is 8	All of these

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
236	An RCC column is treated as long if its slenderness ratio is greater than	4	30	35	40	50
237	Cantilever retaining walls can safely be used for a height not more than	4	3 m	4 m	5 m	6 m
238	For M150 mix concrete according to I.S. specification local bond stress is	2	5 kg / cm ²	10 kg / cm ²	15 kg / cm ²	20 kg / cm ²
239	The diameter of longitudinal bars of a column should never be less than	4	6 mm	8 mm	10 mm	12 mm
240	The design of a retaining wall assumes that the retained earth	4	is drip	is free from moisture	is not cohesive	All of these
241	The effective span of a simply supported slab is	2	distance between the centers of the bearings	Clear distance between the inner faces of the walls plus twice the thickness of the wall	clear distance between the inner faces of the slab	All of these
242	The number of treads in a flight is equal to	3	Rises in the flight	Risers plus one	Risers minus one	None of these
243	A foundation rests on	4	Base of the foundation	subgrade	foundation soil	both (2) and (3)
244	Beams composed of more than one material rigidly connected together so as to behave as one piece are known as	4	compound beams	indeterminate beams	determinate beams	composite beams
245	The asbestos cement pipes are generally laid	2	horizontal	vertical	at 30° to the horizontal	None of these
246	Normal size of brick is	2	20x10x10 cm	19x9x9 cm	23x15x11 cm	None of these
247	When the bricks are laid with their breadth or width parallel to the face or front or direction of wall, the course is known as	4	queen closer	stretcher course	king closer	header course
248	The most commonly used deep foundation in buildings	2	raft foundation	pile foundation	girgir foundation	well foundation

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
249	A foundation could fail due to	4	unequal settlement of foundation	unequal distribution	horizontal movement of earth adjoining the structure	any of these
250	The offset in the stepped strip footing in brick masonry is	1	5 cm	10 cm	15 cm	20 cm
251	The portion of wall between facing & backing of the wall is	4	jamb	frog	troating	hearing
252	A footing which supports two columns is known as	2	continous footing	combined footing	strip footing	step footing
253	The safe bearing capacity of soil can be improved by	4	increasing depth of foundation	grouting the soil	draining the soil if water table is very near to base of the footing	All the above
254	The minimum depth of the foundation below the ground in any soil is	3	120 cm	100 cm	80 cm	60 cm
255	A project ornamental course near the top of the wall and ceiling is known as	1	cornice	corbel	coping	crampe
256	A low height wall constructed along the dge of the roof is called	4	gable	plinth	string course	parapet
257	A wall constructed to divide the space within the building into room is called as	1	partitional wall	cavity wall	normal wall	plain wall
258	Form work of props to beams? Arches spanning upto 6.0 m can be removed after	2	7 days	14 days	24 hours	4 days

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
259	Floors are provided for	4	to divide a building into different levels	providing a clean, smooth, imervious level & a durable surface	prodiding support for the occupants furniture and equipment of the occupants	All of these
260	Which of the following material are employed for floor finish?	4	masaic	marble	Wood	All of these
261	What is dado?	1	tiles provided on the walls upto half or 3/4 height of wall	tiles provided on the walls upto 10 cm height of wall	tiles provided on the walls upto 15 cms of height of wall	All of these
262	A flooring which are made of thin laminated stone slabs of regular geometric shape laid on concre bedding is called	1	flag stone flooring	tiled flooring	granolithic flooring	stone block flooring
263	Roofs are classified as	4	flat or terraced roof	pitched or sloped roofs	shell and done type roofs	all of these
264	Terrazzo flooring is obtained by	1	using marble chips as aggregate	spreading	mixing marble	none of these
265	A roof truss is a frame work of traingules designed to support the	4	roof covering	ceiling	battens	all of these
266	To provide light ventilation better vision, the provision made in the wall is termed as	2	door	window	ventilator	none of these
267	Purposes served by the door are	4	access	connecting link	security & privacy	all of these

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
268	Reveals represent the side of vertical member of the frame	2	inner	outer	Both (1) and (2)	none of these
269	The members of shutter maintaining the privacy but allowing air to pass are	2	panel	louvers	transom	none of these
270	For security of protected windows is provided	2	grills attached of frame	box type grills	Both (1) and (2)	none of these
271	The highest point on extrados of arch is	4	piers	voussoirs	key stone	crown
272	The colour of granite is	4	grey	brown	green	all of these
273	In a compaction test, as the compaction effort is increased the optimum moisture content	1	decreases	remains same	increases	increases first & thereafter decreases
274	The purpose of seasoning of timber is to	4	change of direction of grains	remove voids	reduce moisture content	all of these
275	The full form of SBC is	2	soft bearing capacity	safe bearing capacity	standard bearing capacity	standard bearing content
276	Safe permissible load for brick masonry in cm first class	2	75 ton/m ²	88 ton/m ²	95 ton/m ²	100 ton/m ²
277	base course of lean concrete below spread footing is the proportion	2	1:2:4	1:4:8	1:8:16	1:3:6
278	Form work of props to slabs spanning upto 4.5 m can be removed after	2	10 days	7 days	10 hours	24 hours
279	Minimum depth of foundation is	2	80 cm	90 cm	100 cm	120 cm
280	Stretcher bond is possible only in	3	one brick wall	wall of any thickness	half of brick wall	one & half brick wall
281	Expansion joints in masonry walls are provided if length of wall exceeds	4	10 m	25 m	30 m	40 m
282	The bond in which each course consists of alternate stretchers and headers is known as	4	dutch bond	flemish bond	running bond	an english bond
283	Suitable temperature range of water for curing is	3	0 to 10 ⁰ C	10 to 15 ⁰ C	10 to 40 ⁰ C	none of this
284	The number of vertical posts in a queen posts truss is	1	2	1	more than two	any number
285	Average weight of mangalore tiles should be between	1	3 to 6 kg.	1 to 1.5 kg.	2 to 5 kg.	5 to 8 kg.

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
286	The horizontal distance measured perpendicular to the front and back faces of arch is called as	4	span	height	depth	breather thickness
287	The combination of king post truss and queen post truss is used when the span is	3	> 12 m	5 to 8 m	8 to 12 cm	> 5 m
288	Which of the following material required for stone masonry	4	stones & mortar	stones & lime	stones & mud	all of these
289	Single stone passing from front to back face and acts as a bond is known as	1	through stone	jamb	cornice	quoins
290	Flooring in the bathroom and kitchens of posh residential building is	2	mosaic flooring	marble flooring	granolithic flooring	glass flooring
291	Area enclosed between styles and rails & made up of glass or timber is	1	panel	louvre	putty	architrave
292	Parliamentary hinge provides rotation through	2	90°	180°	270°	none of these
293	Usual locations of sliding windows are in case of	4	shops	residences	banks	all of these
294	The usual concrete mix for RCC lintels is	3	1:1:2	1:3:6	1:2:4	1:4:8
295	In RCC lintel minimum number of reinforcement bars should be	3	2	3	4	6
296	Spring hinge provides to door	4	lift	pull	push	swing
297	A section with more steel reinforcement than balanced section is called	2	Balanced	over reinforced	under reinforced	none of this
298	The vertical distance between the wall plate & top of the ridge is called of roof	1	gable	pitch	templet	rise
299	The full form of M.D.D.L.	3	maximum draw down level	maximum drawing drought level	minimum draw down level	minimum drawing drought level
300	The horizontal members at the top of the frame is called as	3	sill	horn	head	None of this
301	Which of the following roofs are sloping roofs?	4	lean of roof	couple closed roof	queen post truss	All of these
302	The full form of OMC	3	ordinary moisture content	optimum metal content	optimum moisture content	optimum metal concrete
303	Concrete consists of	4	cement	aggregates	sand	all of these

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
304	If the soil is water logged its bearing capacity may be improved by	1	drainage	grouting	compaction	chemical treatment
305	Stress in SI units is expressed in	4	kg per sq cm	kg per sqmm	newton per sq cm	newton per sqm
306	A beam is defined as a structural member subjected to	2	axial loading	transverse loading	axial & transverse loading	none of these
307	The process of taking out stones of various sizes from natural rocks is known as	1	quarrying	dressing	seasoning	pitching
308	A structural member subjected to compressive stress in a direction parallel to its longitudinal axis is generally known as	4	column	post	strut	all of these
309	Live load	4	varies in magnitude	varies in position	is expressed as uniformly distributed load	all of these
310	If the depth of two column sections are equal, then the column splice is provided	4	with filler plates	with bearing plates	with filler & bearing plates	none of these
311	The ratio of longitudinal stress to strain within elastic limit, is known as	1	modulus of elasticity	shear modulus of elasticity	bulk modulus of elasticity	none of these
312	The grade of concrete generally not used in the reinforced concrete is	1	M10	M15	M20	M40
313	High pressure grouting is generally resorted to for concreting in the lining if the rock strata is	4	high fissured	poor	likely to get seepage of water	all of these
314	Distemper is used to coat	2	external concrete surfaces	interior surfaces not exposed to weather	wood work	compound walls

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
315	A reinforced concrete slab is 75 mm thick the maximum size of reinforcement bar that can be used is	3	12 mm diameter	10 mm diameter	8 mm diameter	6 mm diameter
316	The surface runoff is the quantity of water	4	absorbed by soil	intercepted by buildings and vegetative cover	required to fill surface depressions	that reaches the stream channels
317	The vertical member used to subdivide the shutter is termed as	1	mullion	post	holdfast	transom
318	The minimum width of lock & bottom rail is mm	3	100	175	150	200
319	The best curing method for concrete is	2	fooging	ponding	plastic sheet	moist fabric cover
320	In king post trusts there will be	2	only two vertical post	only one vertical post	more than two vertical post	any one of vertical post
321	The lower surface of bricks or stone of each course is called as	1	bed	bank	face	front
322	The process of giving definite & regular shape with smooth face is known as	3	pitching	seasoning	dressing	quarrying
323	When brick is cut into two halves longitudinally, one part is known as	2	king closer	queen closer	cornice brick	vousoir
324	Which tests are carried out on bricks to test its quality?	4	water absorption	compressive strength	soundness	all of these
325	When two or more in individual column footing are joined by beam it is called	2	strip footing	strap footing	step foot	combined footing
326	The covering of exposed top of wall is called	2	cornice	coping	corbel	cramp
327	A tool used by mason for filling & spreading mortar and to cut bricks is	3	hammer	scotch	trowel	bolster
328	Thumb rule for sill height for residential building is that the sill height should be is between	1	0.1 to 1.5	0.1 to 1.0	0.1 to 0.6	none of these
329	To receive and hold glass is used in shutter	4	louver	mussion	architecture	sash bar
330	G.T. sheets are fixex with special screw & washer driven through the hole drilled in	1	crowns of corrugations	bottom of corrugations	side of currugations	all of these
331	In case of swing door following type of hinge is provided	1	butt	strap	spring	none of these

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
332	Bearing capacity of soil is obtained by	2	Mechanical analysis	Plate bearing test	Sand replacement method	shear test
333	Ultimate bearing capacity of soil is the	3	total load	safe load	soil fails	soil consolidate
334	Cement required for construction of one cubic meter concrete M20 grade	3	6.0 bags	6.7 bags	7.6 bags	8.3 bags
335	In course rubble masonry the mortar joints shall be less than at face work	3	20 mm	15 mm	12 mm	10 mm
336	Cement older than 3 months losses its strength by%	1	20%	25%	30%	No loss
337	53 Grade cement refers to	2	weight per bag	strength of cement	strength of concrete	age of cement
338	Water cement ratio is the ratio of water to cement by	1	weight	volume	strength	none
339	In india soils are classified as per	2	particle size only	unified system	sieve analysis	geological classification
340	The provision of helps safety of vehicles at the curves of roads	3	camber	slopes	super elevation	flat surface
341	For ordinary portland cement the initial setting time is min and final setting time is minutes	4 & 2	60 minutes	600	100	30
342	Grade of HYSD bars in RCC is	2	Fe-1000	Fe-415	Fe-1400	Fe-715
343	Water used for concrete mixing and curing as per I.S. specifications shall be	3	mineral water	distilled water	potable water	any water
344	The instrument used for measuring area on map is called	2	area meter	planimeter	cleano meter	disto meter
345	Standard size of I.S. brick is	1	20x10x10 cm	23x9x9 cm	23x9x4.5 cm	19x9x9 cm
346	Concrete testing cube size for compression test is	2	10x10x10 cm	15x15x10 cm	15x15x15 cm	20x20x20 cm
347	Good building stone shall not absorb water more than % of its weight	1	5%	7%	9%	10%
348	The line joining equal amount of rainfall at raingauge stations is	4	Iso therms	contours	iso bars	isohyets
349	The bulking of sand is the effect of	3	silt in sand	size of sand	moisture in sand	temperature of sand
350	Total quantity of A.C. sheets required for covering 100 sqm area is	3	90 sqm	100 sqm	115 sqm	135 sqm

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
351	In Manning's formula $V = \frac{1}{n} R^{2/3} S^{1/2}$, 'P' indicates	3	wetted area	total peremeter	wetted peremeter	none
352	Effect due to obstruction in waterway is	1	Afflux	flood lift	fetch	wave height
353	In a load test for slab the final load applied is equal to times of design load	3	0.75	1.0	1.25	2.0
354	The discharge through canals is measured at	1	SWF	Escape	Siphon	Cross regulator
355	In M40 concrete M seprents	2	Maximum size	Mix	Material size	Mass concrete
356	In water intake test water loss is measured in unit	3	Litres / min	cusecs	lugeon	lps
357	In colgrout masonry the water cement ratio for 1:3 slurry is kept as	3	0.36	0.56	0.84	0.42
358	A temporary water tight structure constructed for diversion of water is called	2	pick up weir	cofferdam	diversion dam	breaching section
359	Material used in hearting of earthen dam	3	murrum	sand	B.C. soil	pervious soil
360	Design of RCC cantilever beam is based on the resultant force at	2	Mid span	fixed end	free end	quarter of span
361	The process for reducing moisture of timber is	1	Seasoning of timber	heating of timber	cooling of timber	chilling of timber
362	Material used as damp proofing course in walls	4	cement paste	coaltar	bitumen	mastic asphalt
363	The area from which a dam, reservoir receives water for storage is	2	command area	catchment area	submercible area	acquired area
364	Fineness modulus of sand is obtained by	4	sand bothe	screening	sand bulking	sieve analysis
365	In design of RCC beam effective span is clear span	1	Greater than	smaller than	equal to	double of
366	The wate cement ratio and workability strength relationship was established by	2	Dr. terzagi	duff abram	Dr. concrete	plowman
367	The latest land acquisition acts is known as	3	LAQ 1894	LA 1985	LARR 2013	LAQ 2015
368	Canal flowing through a RCC through over a nalla below it. The structure is called	1	Aquaduct	culvert	Siphon	cross regulator
369	According to india standard specifications, the temperature for curing is	3	0 ⁰ C	10 ⁰ C	27 ⁰ C	42 ⁰ C
370	The crushing strength of burnt brick II class shall be minimum	2	10 kg/cm ²	35 kg/cm ²	200 kg/cm ²	400 kg/cm ²

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
371	The curve composed of two crcs of different radius, in opposite direction on road is	3	simple curve	compound curve	reverse curve	horizontal curve
372	The pore pressure developed within soil mass due to moisture is measured with	2	earth pressure cells	piezometers	uplift pressure cells	pressure indicators
373	Compressive strength test on a cylindrical core of rock sample having L/D ratio	3	1	1.5	2	3
374	In post tensioned prestress concrete structures the bars are stressed	1	after concreting	before concreting	during concreting	none
375	For construction of a 10 cm thick partition wall which type of bond is used mostly?	4	English	flemish	header	stretcher
376	Load of a standing vehicle on road bridge slab is	2	Dead load	live laod	moving load	no road
377	The final rates adopted for prepartion of an estimates are from	4	D.S.R.	C.S.R.	market rates	rate analysis
378	System of submission of B1 tenders is	3	one envelope	two envelope	three envelope	four envelope
379	Factor of safety for design of RCC beam is	4	2	3	4	5
380	Separation of course aggregate from concrete during transportation is known as	4	bleeding	creeping	shrinkage	segregation
381	The ratio of cement, sand, aggregate in concrete M20 is shown as	3	1:4:8	1:2:4	1:1 ¹ / ₂ : 3	1:1:2
382	Concrete mixed at different place and transported to working place for away is	1	RMC	RCC	precast concrete	insitu concrete
383	The most powerfull explosive used for blasting is	2	blasting power	dynamite	gun cotton	cordite
384	The window provided for light and air, in the roof is called	1	dormer window	shade	roof window	air vent
385	Masteral used for preserving timber by painting is	4	oil paint	asphat	plastic paint	white lead
386	For common foundation concrete used is	3	1:2:4	1:3:6	1:4:8	1:1 ¹ / ₂ : 3
387	No. of major river basion in maharashtra are	2	4	5	6	7

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
388	The system for irrigation of crops by supplying water from tail to head in rotation method is called	1	RWS	IWS	MWS	sprinkler
389	Cement and steel for all major works is required to be tested at the testing laboratory at	2	private institutes	MERI	Govt. polytechnic	NEERI
390	The land required to be acquired in submergence for reservoir of a dam shall be	3	upto FRL	upto free board	FRL + 1/2 floodlift	upto 1/2 F.B.
391	Computation of average rainfall over a basin is most accurately done by the method of	3	arithmic average	thiessen polygon	isohyetal	none
392	Discharge flowing through the river is measured with	3	currant meter	cross sectioning	combining option 1 & 2	none
393	Fine aggregate mainly available for construction in maharashtra is from	1	River	crusher	brick	pit
394	Drilling for obtaining soil core of rock in foundation is done by	2	auger	diamond beat	NX beat	steel pipe
395	Maximum area of steel reinforcement in RCC beam shall not exceed % of concrete C/S area	4	0.15%	1.00%	1.5%	4.0%
396	Various tests for cement sample are carried out for every MT of cement stack	1	50 MT	100 MT	200 MT	1 MT
397	PWD hand book chapter 33 is for	3	masonry works	earth work	quality control	concrete works
398	The standard specifications for all the works in construction are in the	2	standard book	red book	DSR book	CSR book
399	In the price escalation clause of B1 tender K1 of the formula indicates %	1	labour components	material component	POL comp.	cost of work
400	Amount of Earnest Money for B1 tender is generally% of estimated cost of work	4	5%	2%	2.5%	1.0%
401	Field tests carried out on concrete structures without any distruction to it are called	3	field tests	load tests	NDTs	in situ test
402	What are the sizes of coarse aggregate in 40 MSA concrete	4	40 mm only	40 + 20 mm	40 + 10 mm	40 +20 +10 mm
403	What is the compressive strength of 43 grade PPC cement at 28 days	1	430 kg/cm ²	400 kg/cm ²	43 kg/cm ²	200 kg/cm ²

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
404	Bricks are burnt at temperature from	3	300°C to 500°C	500°C to 700°C	700°C to 1000°C	1000°C to 1200°C
405	The liquid limit and plastic limit exists in	4	sand soil	silty soil	gravel soil	clay soil
406	For ordinary portland cement initial and final setting times areminutes & min respectively	1	30 & 600	3 & 60	60 & 300	60 & 600
407	1 cm distance measured on map represents 10 meter on ground. So the scale of map is	3	1:10	1:100	1:1000	1:10000
408	In cement concrete mix the inert material is	3	water	cement	aggregate	none
409	In hilly region, widening of roads on curves is required to be done on side	2	outer	inner	outer & inner	none
410	Bearing capacity of soil is obtained by	2	mechanical analysis	plate bearing test	shear test	sand replacement method
411	Cement older by about 3 months losses its strength by	1	20%	25%	30%	No loss
412	Age of cement is obtained from the mark on cement bag. It is in the format of	3	DD/MM/YY	YY/MM/DD	WW/MM/YY	YY/MM/WW
413	Grade of HYSD bars in RCC is as per I.S. 1139	1	Fe-415	Fe-715	Fe-1000	Fe-1400
414	The rising of water effect due to obstruction in waterway is	4	flood lift	fetch	wave height	afflux
415	In water intake test water loss is measured in unit	3	litres/minute	cusecs	lugeon	LPS
416	Material used as damp proofing course in masonry walls is	2	cement paste	mastic asphalt	coal tar	bitumen
417	In Darcy's formulae for laminar flow $Q = K \cdot i \cdot A$ where i is	1	hydraulic gradient	bed gradient	velocity index	velocity gradient
418	If canal is flowing below nalla bed what structure is recommended for nalla flow	4	culvert	aqueduct	siphon	super passage
419	Load of a standing truck on a road bridge slab is load for that moment	2	dead load	live load	moving load	no load
420	The final rates adopted for preparation of an estimate are from	1	rate analysis	DSR	CSR	market ret
421	Breaching section is provided in earth dam for	3	Energy dissipation	over flow	avoided overtopping	intake water

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
422	Sismopactors or vibrating roller are used now for construction of	1	RCC dam	concrete dam	masonry dam	colgroute dam
423	100% reinforcement of a slab is required to be checked by	4	deputy engineer	executive engineer	E.E. of other division	D.E. of other Sub-division
424	What is the range of size defined for fine aggregate in construction	2	4.75 to 0.0 mm	4.75 to 0.075 mm	4.0 to 0.0 mm	below 5.0 mm
425	Unit for fineness modulus of sand are	4	mm ³ / gm	grams / cc	mm	unitless
426	Sand used for testing of cement in quality control lab or MERI lab is called	1	standard sand	white sand	sieved sand	river sand
427	Void ratio e is the ratio of volume of	1	voids / soilds	voids / total volume	water / voids	voids / water
428	Soils which can not be rolled to a thread at any water content are soils	2	plastic	non plastic	sandy	silty
429	M-20 concrete mix indicates the compressive strength of concrete as	1	20 N /mm ²	20 kg /cm ²	20 T /m ²	none
430	The process of bulking of sand occurs because of	3	silt in sand	temperature of sand	moisture in sand	shape of particles
431	Approximate density of reinforced cement concrete shall be about kg/m ³	3	1200.0	1800	2400	3000
432	In Manning's formula $V = \frac{1}{n} R^{2/3} S^{1/2}$ the P is	2	perimeter	wetted perimeter	side slopes	rogghosity
433	Total quantity of A.C. sheets required for covering 200 sqm area is sqm	4	180	200	190	230
434	Quantity of cement required for 1 cubicmeter concrete of 1:2:4 proportion is	3	160 kg	200 kg	315 kg	400 kg
435	Measurements of reinforcement steel bars for payment to the contractor are on the basis of	3	dia of bar	length of bar	weight of bar	volumke of steel
436	In colgrout masonry the water / cement ratio of colgrout (1:3) is about	4	0.36	0.50	0.56	0.84
437	Overlap length for reinforcement bars of bar diameter 'd' in RCC is kept as	1	40 d	48 d	30 d	24 d
438	Indentification marks in the bricks provided to form a key for holding the mortar is called	2	keycut	frog	l-mark	key joint
439	No. of bricks required for II nd class B.B. masonry of size 20 x 10 x 10 cm in C.M. (1:4)	1	475	500	525	550
440	Workability of concrete is improved without increasing w/c ratio by adding	2	water	plasticisers	fly ash	Ice

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
441	Instruement used for measuring area on map of known scale is	3	area meter	distometer	planimeter	cleanometer
442	Water pressure from the earth retained by a wingwall is released through	4	pressure cells	piezo meters	catch water drains	weep holes
443	compressive strength of concrete is tested on concrete cube of size	1	15x15x15 cm	20x20x20xcm	20x15x10 cm	15x15x10 cm
444	The lines joining the raingauge stations showing equal amount of rainfall are called	2	contours	isohyets	isobars	isotherms
445	In a load test for slab, the final load applied is times the design load	3	0.75	1.0	1.25	2.0
446	Discharge through canal in F.P.S. system is cubic feet per second indicated as	2	cufecs	cusecs	cumecs	ft/sec
447	Material used in hearting and C.O.T. of earth dam is	2	pervious	imperious	cohesive	non cohesive
448	The area from which a dam, reservoir receives water for storage is called	1	catchment area	command area	submergeanc e area	acquired area
449	Cylindrical core of rock sample for testing compressive strength is having L/D ratio	3	1.0	1.5	2.0	3.0
450	The loss of water due to evapotranspiration of a referance crop is	2	Etc	Eto	ETref	ETn
451	The total area that can be irrigated by one cubic foot per second in a day is	4	Efficiency	delta	none	AI/DC
452	When with a canal the area of only one side of the canal be irrigated it is called	1	contour canol	ridge canol	express canol	feeder canol
453	Design span or effective span of a RCC beam is always clear span	3	equal to	smaller than	greater than	double the
454	The diameter of the test cylinder sample of colgroute masonry dam is	1	90 cm	45 cm	30 cm	7.5 cm
455	The soil sample collected with an instruement augar is sample	2	undisturbed	disturbed	core	none
456	A water content below which a reduction in water will not couse decrease in volume of soil mass is	3	liquid limit	plastic limit	shrinkage limit	none
457	Water cement ratio and strength of concrete relationship was established by	2	Dr. Terzagi	Duff abrams	Mr. Concrete	Plowman
458	System of submission of B-1 tender is	3	one envelop	two envelop	three envelop	four envelop
459	Material used for preservation of timber by painting is major	4	oil paint	asphalt	plastic paint	white lead
460	total number of major river basins in Maharashtra are	2	4	5	6	7
461	The latest Land Acquisition act is	3	LAQ 1894	LAQ 1985	LARR 2013	LAQ 2015
462	The curve composed of two arcs of different radius, in opposite direction on road is	1	Riverse curve	simple curve	compound curve	horizontal curve

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
463	At 28 days curing, concrete attains a strength of	2	100%	90 to 95%	80 to 90%	70 to 80%
464	Slump cone test is carried out to determine of concrete mix	4	shrinkage	creep	soundness	workability
465	As per IS-456-2000 the minimum grade of concrete for RCC should be	3	M-10	M-15	M-20	M-25
466	During the process of hardening of concrete take place	2	bleeding	hydration	segregation	none
467	Water used for concrete mixing and curing as per I.S specification shall be	4	distilled	acidic	mineral	potable
468	Slip circle analysis for a earth dam is required to be done for a condition of	3	overtopping	breaching	sudden drawdown	piping
469	Thickness of road pavement may reduce considerably because of	4	compaction of soil	stabilisation of soil	drainage of soil	all of these
470	Ultimate bearing capacity of soil is the load at which	3	total load	safe load	soil fails	soil consolidates
471	Sand available for construction in maharashtra is mainly from	1	river bed	creeks	crushers	pits
472	The liquid and plastic limits predominately exist in ..	3	Gravel soils	Silty soils	clay soils	Sandy soils
473	The vertical distance between the wall plate and top of the ridge is called....of roof	1	Rise	Pitch	Templet	Gable
474	Steel in RCC beam takes	3	Dead load	live load	Tension	Compression
475	The mortar of the masonry joints to be covered by painting is raked out atleast to a depth of	2	10 mm	20 mm	25 mm	30 mm
476	A section with more steel reinforcement than balanced section is called	2	Under reinforcement	Over reinforced	Balanced	None of this
477	Distemper is used on	4	Brick walls	Concrete surface	Plastered surfaces exposed to weather	Plastered surfaces not exposed to weather.
478	The shrinkage in a concrete slab	2	Causes shear cracks	causes tension cracks	Causes compression cracks	Does not cause only cracking
479	Safe permissible load for brick masonry in c.m. first class ...	2	75 ton / m ²	88 ton / m ²	95 ton / m ²	100 ton / m ²
480	The slump test of concrete is used to measure its	4	Impact value	Homogeneity	Tensile strength	Consistency

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
481	The fullform of M.D.D.L.	2	Maximum draw down level	Minimum draw down level	Maximum drawing drought level	Minimum drawing drought level
482	The unit weight per cubic meter of mild steel	2	7500 kg / m ³	7850 kg / m ³	8000 kg / m ³	8200 kg / m ³
483	The vertical members to which shutters are attached are called as.	4	Frame members	Post upright	Jambs	All of these
484	The horizontal members at the top of the frame is called as	1	Head	Sill	Horn	None of this
485	Which of the following roofs are sloping roofs?	4	Lean of roof	Couple closed roof	Queen post truss	All of the above
486	The purpose of the linseed oil is	3	For paints of superior quality	For paints of delicate colours	For paints of common material	All of the above
487	Minimum compressive strength of hollow load bearing blocks should be	1	4.5 N / mm ²	15 N / mm ²	10 N / mm ²	20 N / mm ²
488	The fullform of OMC	2	Ordinary moisture content	Optimum moisture content	Ordinary metal concrete	Optimum metal concrete
489	Concrete consists of	4	Cement	Sand	Aggregates	All of the above
490	RMC is short form of	2	Roal metal chart	Ready mix concrete	Real moisture content	Rational mix concrete
491	Platform at the end of series of steps is known as	3	Stop	Relaxing	Landing	All of the above
492	Base course of lean concrete below spread footing is the praportion	2	1:2:4	1:4:8	1:8:16	1:3:6
493	Form work of props to beams and arches spanning over 6 m can be removed after	4	7 Days	4 days	14 days	21 days
494	Lift becomes essential in a building when the number of floors exceeds.	2	2	3	4	6
495	Movable barrier or shutter component is	4	Style	Rail	Panel	All of this

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
496	Fullform of S.W.F.	4	Super wave floor	short wave flow	short wave flume	standing wave flume
497	The unit weight per cubic meter of water	2	950 kg/m ³	1000 kg/m ³	1100 kg/m ³	1200 kg/m ³
498	If the soil is water logged its bearing capacity may be improved by	3	Compaction	Grouting	Drainage	Chemical treatment
499	If foting supports more than two columns it is called	1	Continous foting	Combined foting	strip foting	strap foting
500	An ordinary scaffolding consists of	4	Braces	Bridle	Raker	All of the above
501	Flooring measurement are taken on the basis of	3	Unit length	unit cubical content	unit area	None of the above
502	Heavy floods cause	4	Failure of foundation	errrosion of soil	undermining below foundatin	All of the above
503	Queen post trusses are used when the span is	4	8 to 12 m	5 to 8 m	8 to 10 m	more than 15 m
504	The units of measurement for expansion joint	1	Unit length	unit area	cubic content	nos
505	The removal time of form work depends on	4	Size, shape of the member	The concrete mixed used	type of cement used	All of the above
506	Mat foundation is also known as	2	Strap	Raft	Solted	Deep
507	Form work of propos to slabs spaning upto 4.5 m can be removed afer	4	25 hours	10 days	14 hours	1 days
508	The functions of foundation are	4	Carrying the loads to form strata	To offer stability against upilt forces	minimize differential	All of the these
509	Minimum depth of foundation is	1	90 cm	100 cm	120 cm	150 cm

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
510	Differential settlement is due to	3	Unequal load intensity	Difference in compressibility of the strata below	(a) and (b) or (1) and (2)	None of these
511	Failure of foundation is observed because of	3	Excessive uniform settlement	Differential settlement	Both (1) and (2)	none of these
512	Grillage foundation is to be provided when.	3	Resting on soil with low bearing capacity	Heavy load is acting on steel columns	Both (1) and (2)	None of the above
513	Combined footing is provided in case of.	4	Loads on adjacent columns are high	Relatively less bearing capacity of the soil	Possibility of heavy differential settlement	All of these
514	Depth of excavation in case of grillage foundation is limited to	2	1 to 1.2 m	1.2 to 1.5 m	1.5 to 1.8 m	1.8 to 2 m
515	Raft foundation is provided when	4	B.C. of soil is less or of doubtful nature	Load are heavy & hence spread footings covers more than 5% of entire area	It is difficult to control differential settlement	All of these
516	Pile foundation is preferred when	4	Load are heavy & possibility of differential settlement at shallower depth	Water table is high or strata is of expansive soil	seepage chances with location of structure in deep sea or so.	All of these

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
517	Most commonly used building stone in maharashtra is	1	Basalt	sand stone	quartzite	marble
518	Masonry may be broadly classified into catogories viz. are	4	Stone masonry	brick masonry	concrete block masonry	all of these
519	Rubble masonry is classified into.	4	Coursed rubble masonry	dry rubble masonry	polygonal rubble masonry	all of these
520	When the bricks are laid with their length parallel to the face or front direction of the wall, the course is known as	2	King closer course	stretcher course	queen closer course	header course
521	Water absorption of good burnt clay brick should be	1	less than 20% by weight	less than 30% by weight	less tha 10% by weight	less than 35% by weight
522	The process of taking out stones of various sizes from natural rocks is known as	4	Pitching	dressing	seasoning	quarrying
523	The horizontal distance between the vertical joints in successive courses is termed as	4	Closer	perpend	header	lap
524	If the load coming on to pile is transferred to a suitable bearing stratum at its bottom end then it is called.	3	sheet pile	friction pile	bearing pile	compaction pile
525	The exterior corner of wall is known as	3	perpend	jamb	quoin	frog
526	The tools used by the masons to check the verticality of wall is	4	Square	spirit level	nicker	plumb bob
527	Stretcher bond is possible only in	1	half brick wall	one brick wall	one & half brick wall	wall of any thickness
528	When two walls separated by small gap, are connected together by pins, it is called.	3	Partition wall	double wall	cavity wall	compound wall
529	Expension joints in masonry walls are provided if length of wall exceeds	3	10 m	25 m	40 m	50 m
530	When first class bricks are immersed in water for one hour, the weight of water absorbed by them should not exceed.	3	115 th weight of brick	114 th weight of brick	116 th weight of brick	112 th weight of brick
531	The bond in which each course consists of alternate stretchers & headers is known as.	2	English bond	flemish bond	racking bond	dutch bond
532	Sand used for manufacturing of concrete block should pass through	3	IS 15 mm sieve	IS 12 mm sieve	IS 1.2 mm sieve	IS 0.12 mm Sieve

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
533	Cavity wall is wall comprising of	3	Two perpendicular wall	two parallel wall	two parallel walls with space between them	none of these
534	For walls, beams, columns, sides the forms can be removed within	1	16 to 24 hours	12 to 24 days	2 to 4 hours	2 to 4 days
535	Forms are the	1	moulds & dies for concrete construction	Important weighing system in concrete	batching process of concreting	none of the above
536	Suitable temperature range of water for curing is	1	10 to 40 ⁰ C	0 to 10 ⁰ C	10 to 15 ⁰ C	none of these
537	Which of the following joints are provided in concrete structures?	4	Construction joints	expansion joints	contraction joints	all the above
538	Functional requirement of good flooring.	4	It should be durable	It should be easy to clean	It should have good appearance	all of these
539	Basement floor is nothing but	2	Floor constructed between two parapets	any accommodation or floor constructed below the natural ground level	floor space provided above slab of WC and bath	None of these
540	Functional requirement of good flooring	4	as far as possible it should be noiseless	It should be free from dampness	It should have low maintenance cost	all of these
541	Which of the following are commonly used roof covering?	4	Mangalorian tiles	asbestos - cement sheets	galvanized corrugated sheets	all of these

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
542	Purlins are provided	1	To inter - connect trusses & to support common rafters	to support roof covering	to take the load of roof	all of these
543	An openable barrier to enter into volumetric space of a room is known as	1	Door	window	ventilator	none of these
544	Location & number of doors, follows, the following guidelines	4	Positioned preferably in opposite walls	northern aspect for diffused daylight	prevalent wind direction	all of these
545	The area of the window ranges between	2	1/12 th to 1/10 th of floor area	1/8 th to 1/5 th of floor area	1/6 th to 1/4 th of floor area	none of these
546	The biggest disadvantage of bricks flooring is that	3	It is very expensive	it required skilled worked man	it is water absorbent	it is not fire resistant
547	The number of vertical posts is in a queen posts truss is	2	1	2	more than two	any number
548	The material commonly used to cover the pitched roof with steel trusses is	4	Thatched covering of reed or straw	tiles	wood shingles	asbestos cement sheets
549	Average weight of mangalore tiles should be between	1	3 to 6 kg	1 to 1.5 kg	5 to 8 kg	5.5 to 1.5 kg
550	The unsupported overhang of AC sheet should not be	1	More than 30 cm	more than 100 cm	less than 30 cm	more than 60 cm
551	Purposes served by a window are	3	admittance of light and air	viewing outside	Both (1) and (2)	none of these
552	Width of lintel is generally	1	equal to width of wall	equal to half to width of wall	twice the width of wall	all of these
553	In modern time RCC lintels are extensively used because	4	They are fire proof	durable and strong	easy to construct	all of these

General Civil Engineering

Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
554	The horizontal distance measured perpendicular to the front & back faces of arch is known as.	3	height	depth	breather thickness	span
555	The contraction joints in structure are installed to allow for	2	compression movement	shrinkage movement	repealing water	entry of water for curing
556	Louvered window is also known as	2	Reftesher window	vendian windwo	private window	non of these
557	In case of formed and panelled doors, the ration of glazed to pannelled portions is	2	1:1	2:1	01:02	none of these
558	Normally opted cross-section of style for the shutter is	1	100 mm x 40 mm	120 x 50 mm	120 x 40 mm	none of these
559	The combination of king post truss & queen pst truss is used when the span is	3	> 5 m	5 to 8 m	8 to 12 m	> 12 m
560	Timber & plywood are th most commonly used materials for form work	1	They are easily available	they are cheap	they can cut or assembled easily on site	None of the above
561	Which of the following materials required for stone masonry?	4	stones of mortar	stones & lime	stones & mud	all of these
562	Single stone passing from front to back face & acts as a bond is known as	1	Through stone	cornice	Jambs	quoins
563	Form work of props to slabs spanning more than 4.5 m can be removed after	3	25 hours	5 days	14 hours	7 days
564	What type of flooring will you suggest for W.C. or bathroom?	3	Rough shahabad	wooden	glazed tile flooring	none of these
565	Flooring in the bathroom and kitchens of posh residential building is	4	mosaic flooring	glass flooring	granolithic flooring	marbal flooring
566	A truss is called composile truss when	4	It has to slopes in each side	it is combination of king & queen post trusses	it is made of two different material	it has both valleys & hips
567	A.C. sheets are laid from right to left starting at	4	purlins	ridge	verge	eaves
568	Lean to roof is provided when span limited to	3	3.8 m	4.1 m	2.5 m	0.8 m

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Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
569	Jambs represent the Side of the vertical member of the frame	1	inner	outer	Both (1) and (2)	none of these
570	To provide additional M.S. flats that remain embedded in masonry is known as	4	Head	threshold	sill	hold fasts
571	The outer vertical & horizontal members of a shutter are termed as	1	styles - rails	head - rails	head - sill	none of these
572	Area enclosed between styles and rails & made up of glass or timber is	1	panel	louver	architrave	putty
573	Mixture of is known as putty, used for fixing glass panels	1	linseed oil and whiting chalk	lime and thinner	lime and water	none of these
574	Rising butt hinge is used for the following purpose	2	Thin shutter fixation	clearing the obstructions like carpets	heavy doors	none of these
575	Parliamentary hinge provides rotation through	3	90°	270°	180°	none of these
576	Norfold or thumb latch offers to the doors	3	privacy	security	Both (1) and (2)	none of these
577	Light admittance only is achieved through	1	glazed - fixed	glazed movable	Both (1) and (2)	none of these
578	Lowered windows are responsible for	3	light & ventilation	light & privacy	ventilation & privacy	none of these
579	Sliding doors occupy less space with at the top & bottom	3	nails	rebates	runners / guides	none of these
580	In case of buildings where predominant pedestrian traffic is	2	flush	revolving	collapsible	none of these
581	For counter balancing the door are enclosed in the drum	1	ball bearings	weights	hinges	helical springs
582	Plastic doors are preferred for both & WC's as they are right	4	light in weight	easy to clean	water proof	all of these
583	Usual locations of sliding windows are in case of	4	Residences	shops	banks	all of these
584	Pointed arch is also known as	3	Segmental arch	horse shoe arch	gothic arch	none of these
585	The sides of the abutments or piers below the springers lines is called as	1	jambs	spandril	import	springers
586	Lintel is horizontal structural member which is fixed	1	over opening	used as column	used to support slab	none of these

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Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
587	As a rule, the depth of lintel can be adopted as	1	1/12 of span	1/20 of span	1/30 of span	1/50 of span
588	The usual concrete mix for RCC lintels is	3	1:1:2	1:4:8	1:2:4	1:3:6
589	In RCC lintel minimum no. of reinforcement bars should be	2	2	4	6	3
590	The lintel formed by using frog bricks is termed as	3	forged lintel	gully lintel	joggled brick lintel	none of these
591	Rubbing ends of shutters of revolving doors prevent	2	Drag of air	drought of air	Both (1) and (2)	none of these
592	Threshold is provided at the	4	top level of frame	top level of frame on wall	bottom level of the frame	attached to floor
593	The recess made to receive the shutter is called as	3	jamb	reveal	rebate	none of these
594	Spring hinge provides to door	4	Lift	pull	push	swing
595	The vertical members used to subdivide the shutter is termed as	4	post	transom	holdfast	mullion
596	For the areas subjected to vermine attack or dampness the material used for frames.	3	R.C.C.	dressed stones	Both (1) and (2)	none of these
597	The minimum width of lock & bottom rail is mm	2	100	150	175	200
598	Lintels are usually	3	circular in shape	triangular in shape	rectangular in shape	none of these
599	The best curing method for concrete is	4	fogging	moist fabric cover	plastic sheet	ponding
600	The roof which slopes in all the four direction is	2	gable roof	hip roof	gambrel	mansard roof
601	Timber flooring is preferred in	3	all residential buildings	only bath room	auditorium and dancing halls	public building
602	In king post truss there will be	1	only one vertical post	only two vertical post	more than two vertical post	any no of vertical post
603	In lean to roof inclination of common rafter is limited to	1	30°	45° ceiling	60° battens	none of these
604	The lower most part of pitched roof is	3	roof covering	battens	common rafter	cleat

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Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
605	The type of flush door is	4	solid core	cellular core	hollow core	all of these
606	Swing doors have meeting styled without	1	rebate	reveal	Both (1) and (2)	none of these
607	Form work	2	is temporary arrangement for repair works	moulds the concrete to desired size & shape	batching process in concreting	none of the above
608	Expansion & contraction joints in concrete structure are provided to	1	allow for changes in volume of concrete due to temperature	repealing water	entry of water for curing	none of the above
609	The lower surface of bricks or stone of each course is called as	3	face	back	bed	front
610	The process of giving definite & regular shape with smooth face is known as	2	Pitching	dressing	seasoning	quarrying
611	When brick is cut into two halves longitudinally, one part is known as	2	king closer	queen closer	cornice brick	vousoir
612	Which tests are carried out on bricks to test its quality?	4	compressive strength	water absorption	soundness	all of these
613	When two or more individual column footing are joined by beam it is called	4	strip footing	step foot	combined footing	strap footing
614	The covering of exposed top of wall is called	3	cornice	corbel	coping	cramp
615	A tool used by mason for filling & spreading mortar and to cut bricks is	1	trowel	hammer	scotch	bolster
616	A load bearing partition wall is called	2	external wall	internal wall	cavity wall	compund wall
617	G.I. sheets are fixed with special screw & washer driven through the hole drilled in	3	side of corrugations	bottom of corrugations	crowns of corrugations	all of these
618	Thumb rule for sill height for residential building is that the sill height should be is between	3	0.1 to 0.6	0.7 to 1.0	0.1 to 1.5	none of these
619	To receive and hold glass Is used in shutter	2	louver	sash bar	architecture	mullion
620	In case of swing door following type of hinge is provided	3	butt	strap	spring	none of these

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Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
621	In case of lowered doors / windows the lower edge of the louver on outer side is below the upper edge of the louver below on the inner side.	1	true	false	cant say	none of these
622	Base cause of lean concrete below spread footing is the proportion	2	1:8:16	1:4:8	1:2:4	none of these
623	Grillage foundation is to be provided when	1	Resting on soil with low bearing capacity	Less load acting on columns	Both (1) and (2)	none of these
624	Minimum compressive strength of hollow load bearing blocks should be	4	15 N / mm ²	10 N / mm ²	1.0 N / mm ²	4.5 N / mm ²
625	The best curing method for concrete is	3	Fogging	Moist fabric cover	ponding	plastic sheet
626	Which of the following materials are employed for floor finish?	4	Marble	Mosaic	Wood	All the above
627	Purposes served by a window are	3	admittance of light and aire	viewing outside	Both (1) and (2)	none of these
628	As a rade, the depth of lintel can be adopted as	2	1/20 of span	1/12 of span	1/50 of span	1/30 of span
629	Partial ventilation and privacy can be achieved through	1	Ventilator	door	window	none of these
630	What type of flooring will be you suggest for kitchen otta?	3	slate	PVC	Kadappa	wooden
631	Component of pitched roof	4	basement	header	gable end	cleat
632	For walls, beams, columns, sides the forms can be removed within	4	2 to 4 days	12 to 24 days	2 to 4 hours	16 to 25 hours
633	Course of stone or P.C.C. which is laid at top wall so as to protect the wall from rain is known as	2	Lintel	coping	cornice	facing
634	A footing which supports two columns is known as	3	step footing	strip footing	combined footing	continuous footing
635	The minimum depth of the foundation below the ground in any soil is	4	200 cm	160 cm	120 cm	80 cm
636	Cavity wall is wall comprising of	1	Two parallel walls with space between them	two parallel walls	two perpendicular walls	none of these
637	Vicat apratus is used for	2	finest test	consistency test	setting time test	soundness test

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Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
638	M150 grade of concrete means	1	1:3:6 mix	1:1:2 mix	1:2:4 mix	1:1.5:3 mix
639	Workability of concrete is measured by	3	vicat apparatus test	minimum void method	slump test	none of these
640	The rock which is not calcareous is	3	limestone	chalk	laterite	mad
641	Construction joints are generally provided in concrete for	4	roads	retaining walls	lining of canals	all of these
642	A low wall built out into the sea more or less perpendicular to the coast line is called as	3	Break water	break wall	groins	shore wall
643	The operation of removing material from the sea or river bed is known as	1	Dredging	digging	picking	none of these
644	Depth of barings for soil investigation is generally kept below low water level	4	30 m	35 m	40 m	45 m
645	The important componant of a sea port is	4	Terminal building	the docks	the herber	all of these
646	The low water dotum for a lake is defined as the surface of the lake when it is at elevation	2	180 m above M.S.L.	180.5 m above MSL	170.5 m above MSL	200.0 m above MSL
647	A hydrographic map, the following features are shown	4	datum	high & low water lines	depth contours	all of these
648	Curing a concret for long period insures better	4	volume stability	strength	water resistance	all of these
649	For the construction of cement concret floor the maximum permisable size of aggrigate is	4	4 mm	6 mm	8 mm	10 mm
650	The process of proper and accurate measurement of concrete ingrediants for uniformity of propertion is known as	1	Batching	curring	mixing	grading
651	Transport of concrete by pumps is done for a distance of	4	100 m	200 m	300 m	400 m
652	The high strength of rapid heardning cement at urly stage is due to its	3	finer granding	burning at high temperature	increased lime cement	higher content of tricalcium
653	For road payments the cemet generally used is	2	Ordinary port land cement	rapid heardning cement	low heat cement	blast furnace cement

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Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
654	Which one of the following lines is used for tying a ship with a dock	4	bow line	stern line	spring line	all of the above
655	The minimum and maximum diameters of sewers shall preferably be	2	15 cm to 100 cm	15 cm to 300 cm	30 cm to 450 cm	60 cm to 300 cm
656	The construction estimate of a project is used by	4	the owner of the facility	the consulting engineer	the contractor	all of these
657	The wages of supervisors and material handlers are charged as	1	overhead	direct labour cost	indirect labour cost	none of these
658	I.S. recommends to provide certain minimum steel in a RCC beam	2	to insure compression failure	to avoid rupture of steel	to hold the stirrup steel in position	to provide enough ductility to the beam
659	Shear stress develops on a fluid element, if	4	The fluid is at rest	the fluid container is subject to uniform linear acceleration	The fluid is inviscid	The fluid is viscous & the flow is non uniform
660	The ruling minimum radius of horizontal curve of a national highway in plain terrain for ruling design speed of 100 km / hour with $e = 0.07$ & $F = 0.15$ is close to	2	250 m	360 m	36 m	300 m
661	consolidation in soils	3	is a function of the effective stress	does not depend on the present stress	is a function of the pore water pressure	is a function of the total stress
662	The minimum area of tension reinforcement in a beam shall be greater than	1	$0.85 \text{ bd} / f_y$	$0.87 \text{ bd} / f_y$	0.04 bd	$0.4 \text{ bd} / y$
663	In reinforced concrete, pedestal is defined as compression member whose effective length does not exceed its least dimension by	2	12 times	3 times	16 times	8 times

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Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
664	The permissible bending tensile stress in concrete for the vertical wall of an R.C. water tank made of M25 concrete is	4	8.5 N / mm ²	6 N / mm ²	2.5 N / mm ²	1.8 N / mm ²
665	In a compaction test, as the compaction effort is increased the optimum moisture content	1	decreases	remains the same	increased	none of these
666	Minimum value of camber provided for thin bituminous surface hill roads is	2	2.20%	2.50%	3.00%	3.50%
667	The external corners or angle of wall are called as	1	quoins	jambes	reveals	coping
668	The exposed vertical surface at right angle to the door and window frames are known as	3	heads	through stone	reveals	none of these
669	Course of stone or PCC which is laid at top wall so as to protect the wall from rain, is known as	2	cornice	coping	facing	lintels
670	When a canal is carried over a natural drain the structure provided is known as	2	siphon	aqueduct	super passage	all of the above
671	The main function of a diversion headworks of a canal from a river is	4	to remove silt	to control floods	to store water	to raise water level
672	The crest level of a canal diversion headwork depends upon	4	FSL of the canal	discharge perimeters	pond level	All of these
673	A river training work is generally required when the river is	1	Meandering	aggrading	degrading	All of these
674	The maximum area of tension reinforcement in beams shall not exceed	3	0.15%	1.5%	4%	0.0
675	The minimum number of main steel bars provided in RCC	4	rectangular columns is 4	circular columns is 6	octagonal columns is 8	All of these
676	An RCC column is treated as long if its slenderness ratio is greater than	4	30	35	40	50
677	Cantilever retaining walls can safely be used for a height not more than	4	3 m	4 m	5 m	6 m
678	For M150 mix concrete according to I.S. specification local bond stress is	2	5 kg / cm ²	10 kg / cm ²	15 kg / cm ²	20 kg / cm ²
679	The diameter of longitudinal bars of a column should never be less than	4	6 mm	8 mm	10 mm	12 mm
680	The design of a retaining wall assumes that the retained earth	4	is drip	is free from moisture	is not cohesive	All of these

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Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
681	The effective span of a siple supported slab is	2	distance between the centers of the bearings	Clear distance between the inner faces of the walls plus twice the thickness of the wall	clear distance between the inner faces of the slab	All of these
682	The number of treads in a flight is equal to	3	Rises in the fight	Risers plus one	Risers minus one	None of these
683	A foundation rests on	4	Base of the foundation	subgrade	foundation soil	both (2) and (3)
684	Beams composed of more than one material rigidly connected together so as to behave as one piece are known as	4	compound beams	indeterminate beams	determinate beams	composit beams
685	The asbestos cement pipes are generally laid	2	horizontal	vertical	at 30 ⁰ to the horizontal	None of these
686	Normal size of brick is	2	20x10x10 cm	19x9x9 cm	23x15x11 cm	None of these
687	When the brick are laid with their breadth or width paralalled to the face or front or direction of wall, the course is known as	4	queen closer	stretcher course	king closer	header course
688	The most commonly used deep foundation in buildings	2	raft foundation	pile foundation	gillage foundation	well foundation
689	A foundation could fail due to	4	uneual settlement of foundation	unequal distribution	horizontal movement of earth adjoining the stracture	any of these
690	The offset in the stepped strip footing in brick masonry is	1	5 cm	10 cm	15 cm	20 cm
691	The portion of wall between facing & backing of the wall is	4	jamb	frog	troating	hearling
692	A footing which supports two columns is known as	2	continous footing	combined footing	strip footing	step footing

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Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
693	The safe bearing capacity of soil can be improved by	4	increasing depth of foundation	grouting the soil	draining the soil if water table is very near to base of the footing	All the above
694	The minimum depth of the foundation below the ground in any soil is	3	120 cm	100 cm	80 cm	60 cm
695	A project ornamental course near the top of the wall and ceiling is known as	1	cornice	corbel	coping	crampe
696	A low height wall constructed along the dge of the roof is called	4	gable	plinth	string course	parapet
697	A wall constructed to divide the space within the building into room is called as	1	partitional wall	cavity wall	normal wall	plain wall
698	Form work of props to beams? Arches spanning upto 6.0 m can be removed after	2	7 days	14 days	24 hours	4 days
699	Floors are provided for	4	to divide a building into diferent levels	providing a clean, smooth, imervious level & a durable surface	prodiding support for the occupants furniture and equipment of the occupants	All of these
700	Which of the following material are employed for floor finish?	4	masaic	marble	Wood	All of these
701	What is dado?	1	tiles provided on the walls upto half or 3/4 height of wall	tiles provided on the walls upto 10 cm height of wall	tiles provided on the walls upto 15 cms of height of wall	All of these

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Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
702	A flooring which are made of thin laminated stone slabs of regular geometric shape laid on concrete bedding is called	1	flag stone flooring	tiled flooring	granolithic flooring	stone block flooring
703	Roofs are classified as	4	flat or terraced roof	pitched or sloped roofs	shell and dome type roofs	all of these
704	Terrazzo flooring is obtained by	1	using marble chips as aggregate	spreading	mixing marble	none of these
705	A roof truss is a frame work of triangles designed to support the	4	roof covering	ceiling	battens	all of these
706	To provide light ventilation better vision, the provision made in the wall is termed as	2	door	window	ventilator	none of these
707	Purposes served by the door are	4	access	connecting link	security & privacy	all of these
708	Reveals represent the side of vertical member of the frame	2	inner	outer	Both (1) and (2)	none of these
709	The members of shutter maintaining the privacy but allowing air to pass are	2	panel	louvers	transom	none of these
710	For security of protected windows is provided	2	grills attached of frame	box type grills	Both (1) and (2)	none of these
711	The highest point on extrados of arch is	4	piers	voussoirs	key stone	crown
712	The colour of granite is	4	grey	brown	green	all of these
713	In a compaction test, as the compaction effort is increased the optimum moisture content	1	decreases	remains same	increases	increases first & thereafter decreases
714	The purpose of seasoning of timber is to	4	change of direction of grains	remove voids	reduce moisture content	all of these
715	The full form of SBC is	2	safe bearing capacity	safe bearing capacity	safe bearing capacity	safe bearing content
716	Safe permissible load for brick masonry in cm first class	2	75 ton/m ²	88 ton/m ²	95 ton/m ²	100 ton/m ²
717	base course of lean concrete below spread footing is the proportion	2	1:2:4	1:4:8	1:8:16	1:3:6

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Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
718	Form work of props to slabs spanning upto 4.5 m can be removed after	2	10 days	7 days	10 hours	24 hours
719	Minimum depth of foundation is	2	80 cm	90 cm	100 cm	120 cm
720	Stetcher bond is possible only in	3	one brick wall	wall of any thickness	half of brick wall	one & half brick wall
721	Expansion joints in masonry walls are provided if length of wall exceeds	4	10 m	25 m	30 m	40 m
722	The bond in which each course consists of alternate stretchers and headers is known as	4	dutch bond	flemish bond	ranking bond	a english bond
723	Suctable temperature range of water for curring is	3	0 to 10 ⁰ C	10 to 15 ⁰ C	10 to 40 ⁰ C	none of this
724	The number of vertical posts in a queen posts truss is	1	2	1	more than two	any number
725	Average weight of mangalore tiles should be between	1	3 to 6 kg.	1 to 1.5 kg.	2 to 5 kg.	5 to 8 kg.
726	The horizontal distance measured perpendiculae to the front and back faces of arch is called as	4	span	height	depth	breather thickness
727	The combination of king post truss and queen post truss is used when the span is	3	> 12 m	5 to 8 m	8 to 12 cm	> 5 m
728	Which of the following material required for stone masonry	4	stones & mortar	stones & lime	stones & mud	all of these
729	Single stone passing from front to back face and acts as a bond is known as	1	through stone	jamb	cornice	quoins
730	Flooring in the bathroom and kitchens of posh residential building is	2	msaic flooring	marbal flooring	granolithic flooring	glass flooring
731	Area enclosed between styles and rails & made up of glass or timber is	1	panel	louvver	putty	architrave
732	Parlimentary heige provides rotation through	2	90 ⁰	180 ⁰	270 ⁰	none of these
733	Usual locations of siding windows are in case of	4	shops	residences	banks	all of these
734	The usual concret mix for RCC lintels is	3	1:1:2	1:3:6	1:2:4	1:4:8
735	In RCC lintel minimum number of reinforcement bars should be	3	2	3	4	6
736	Spring hinge provides to door	4	lift	pull	push	swing
737	A section with more steel reinforcement than balanced section is called	2	Balanced	over reinforce	under reinforce	none of this

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Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
738	The vertical distance between the wall plate & top of the ridge is called of roof	1	gable	pitch	templet	rise
739	The full form of MD.D.L.	3	maximum draw down level	maximum drawing drought level	minimum draw down level	minimum drawing drought level
740	The horizontal members at the top of the frame is called as	3	sill	horn	head	None of this
741	Which of the following roofs are sloping roofs?	4	lean of roof	couple closed roof	queen post truss	All of these
742	The fullform of OMC	3	ordinary moisture content	optimum metal content	optimum moisture content	optimum metal concrete
743	Concrete consists of	4	cement	aggrigates	sand	all of these
744	If the soil is water logged is bearing capacity may be improved by	1	drinage	grouting	compaction	chemical treatmnet
745	Stress in SI units is expressed in	4	kg per sq cm	kg per sqmm	newton per sq cm	newton per sqm
746	A beam is defined as a structural member subjected to	2	axil loading	transverse loading	axial & transverse loading	none of these
747	The process of taking out stones of various sizes from natural rocks is known as	1	quarrying	dressing	seasoning	pitching
748	A structural member subjected to compressive stess in a direction parallel to its longitudinal oxis is generally known as	4	column	post	strut	all of these
749	Live load	4	varies in magnitude	varius in position	is expressed as uniformly distributed load	all of these
750	If the depth of two column sections are equal, then the column splice is provided	4	with filler plates	with bearing plates	with filler & hearing plates	none of these

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Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
751	The ratio of longitudinal stress to strain within elastic limit, is known as	1	modulus of elasticity	shear modulus of elasticity	bulk modulus of elasticity	none of this
752	The grade of concrete generally not used in the reinforced concrete is	1	M10	M15	M20	M40
753	High pressure grouting is generally restored for concreting in the lining if the rock strata is	4	high fissured	poor	likely to get seepage of water	all of these
754	Distemper is used to coat	2	external concrete surfaces	interior surfaces not exposed to weather	wood work	compound walls
755	A reinforced concrete slab is 75 mm thick the maximum size of reinforcement bar that can be used is	3	12 mm diameter	10 mm diameter	8 mm diameter	6 mm diameter
756	The surface runoff is the quantity of water	4	absorbed by soil	intercepted by buildings and vegetative cover	required to fill surface depressions	that reaches the stream channels
757	The vertical member used to subdivide the shutter is termed as	1	mullion	post	holdfast	transom
758	The minimum width of lock & bottom rail is mm	3	100	175	150	200
759	The best curing method for concrete is	2	fooding	ponding	plastic sheet	moist fabric cover
760	In king post truss there will be	2	only two vertical post	only one vertical post	more than two vertical post	any one of vertical post
761	The lower surface of bricks or stone of each course is called as	1	bed	bank	face	front
762	The process of giving definite & regular shape with smooth face is known as	3	pitching	seasoning	dressing	quarrying
763	When brick is cut into two halves longitudinally, one part is known as	2	king closer	queen closer	cornice brick	vousoir
764	Which tests are carried out on bricks to test its quality?	4	water absorption	compressive strength	soundness	all of these

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Question No.	Question Text	Correct Option	Option 1	Option 2	Option 3	Option 4
765	When two or more individual column footing are joined by beam it is called	2	strip footing	strap footing	step foot	combined footing
766	The covering of exposed top of wall is called	2	cornice	coping	corbel	cramp
767	A tool used by mason for filling & spreading mortar and to cut bricks is	3	hammer	scotch	trowel	bolster
768	Thumb rule for sill height for residential building is that the sill height should be between	1	0.1 to 1.5	0.1 to 1.0	0.1 to 0.6	none of these
769	To receive and hold glass is used in shutter	4	louver	mussion	architecture	sash bar
770	G.T. sheets are fixed with special screw & washer driven through the hole drilled in	1	crowns of corrugations	bottom of corrugations	side of corrugations	all of these
771	In case of swing door following type of hinge is provided	1	butt	strap	spring	none of these