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Maximum: 100 marks

Time: 1 hour and 15 minutes

1.	Most chemically active concrete aggregate are from:						
	(A)	Igneous rock	(B)	Sedimentary	rock		
	(C)	Metamorphic rock	(D)	Sand stones			
2.	Common sugar added to concrete:						
	(A)	Increases the strength of concrete	(B)		etting of concrete		
	(C)	Accelerates the setting of concrete	(D)	Gives colour t	co concrete		
3.	Air perme	eability test is done to measure:					
	(A)	Setting time of cement	(B)	Soundness of	cement		
	(C)	Chemical composition of cement	(D)	Fineness of ce	ement		
4.	ASCU is :						
	(A)	A damp proofing material for concrete	(B)	A preservative	e for timber		
	(C)	A type of brick bond	(D)	A type of build			
5.		ete exposed to dry conditions, the minin					
	(A)	5 days	(B)	7 days			
	(C)	10 days	(D)	14 days			
6.	A window	that projects outside the external wall	s of a	room is:			
	(A)	Gable window	(B)	Sash window			
	(C)	Dormer window	(D)	Bay window			
7.	A floor sla	ab supported directly on column is calle	d :				
	(A)	Ribbed slab	(B)	Flat slab			
	(C)	Flat plate	(D)	Grid floor			
8.	Service pl	lan:					
	(A)	e plan					
	(B)						
	(B) include layout of existing water supply system (C) shows predominant wind direction						
	(D)	all the above					

9.	The notational colour for existing hazardous building in a site plan is:					
	(A)	Black	(B)	Red		
	(C)	Purple	(D)	Dark blue		
10.	For a rectangular foundation of width b, eccentricity of load should not exceed:					
	(A)	b/2	(B)	b/3		
	(C)	b/5	(D)	b/6		
11.	The projecting ornamental course at the junction of a wall and ceiling:					
	(A)	Coping	(B)	Corbel		
	(C)	Cornice	(D)	Parapet		
12.	Group B l	ouildings are :		a library Constitution with this property of the		
	(A)	residential	(B)	institutional		
	(C)	assembly	(D)	educational		
13.	Roof truss	ses are generally used when the sp	an exceed	s:		
	(A)	3m	(B)	5m		
	(C)	10m	(D)	15m		
14.	In struck	pointing, the face of the pointing i	s:			
	(A)	flat	(B)	sloping outwards		
	(C)	vertical but pressed inside	(D)	grooved		
15.	Minimum	period before striking soffit form	work to sla	bs:		
	(A)	21 days	(B)	7 days		
	(C)	3 days	(D)	1 day		
16.	The line j	oining the optical centre of object	glass to the	e centre of eye- piece of a telescope is:		
	(A)	Line of collimation	(B)	Line of sight		
	(C)	Axis of bubble tube	(D)	Axis of telescope		
17.	The line r	normal to the plumb line at all poin	nts:			
	(A)	Vertical line	(B)	Horizontal line		
	(C)	Datum line	(D)	Level line		
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18.	18. The staff readings taken at stations A, B, C, D from a single setup of the le 1.105, 2.155, 1.785. The station B is:						
	(A)	Below A and D	(B)	Above C and D			
	(C)	Between C and D	(D)	None of the above			
19.	. The BS is 6.655 taken on BM of RL 400.000. If FS is 1.45, RL of the last station is :						
	(A)	394.795	(B)	401.450			
	(C)	405.205	(D)	406.655			
20.	The horizontal angle between the true meridian and magnetic meridian is known as:						
	(A)	Declination	(B)	Dip			
	(C)	Bearing	(D)	Local attraction			
21.	The fore and back bearing of a line differ exactly by :						
	(A)	360°	(B)	180°			
	(C)	90°	(D)	45°			
22.	The angles of elevation from A to the top and bottom of a rod of length 2 m held vertically at B are 45° and 30° respectively. The horizontal distance AB is:						
	(A)	4.732 m	(B)	1.268 m			
	(C)	3.464 m	(D)	0.789 m			
23.	The sun is	s at the Autumnal Equinox on :					
	(A)	March 21	(B)	June 21			
	(C)	September 21	(D)	December 21			
24.	Subsidiar	y station established as near the true tr	riangu	llation station as possible is known as:			
	(A)	Satellite station	(B)	Principal station			
	(C)	Central station	(D).	Pivot station			
25.	A ladder of weight W is resting against a smooth vertical wall and a smooth floor. The minimum force to be applied at the floor end to keep it in equilibrium at angle θ with floor is:						
	(A)	$\operatorname{Wtan} \theta$	(B)	$0.5 \mathrm{W} \tan \theta$			
	(C)	$W \cot \theta$	(D)	$0.5\mathrm{W}\cot heta$			
26.		e of gravity of a right circular hollow stance of — from the base.	cone	of diameter d and height h lies at a			
	(A)	h/2	(B)	h/3			
	(C)	h/4	(D)	h/6			