- 1. Choose the correct answer
 - What does ICOMOS stands for?
 - (A) International Commissions on Monuments and Sites
 - (B) International Council on Museum and Sites
 - (C) International Council on Monuments and Sites
 - (D) International Committee on Museum and Open air Sites
 - (E) Answer not known
- 2. According to the 2006 Productivity Commission Inquiry Report of Australia, how does the Community generally view Heritage?
 - (A) As an unnecessary expense
 - (B) As a good thing to have
 - (C) As a barrier to development
 - (D) As a purely Academic Interest
 - (E) Answer not known
- 3. According to the SPAB, what was the major difference between Indian and European Medieval buildings?
 - (A) Indian used durable material
 - (B) Indian tradition partly alive
 - (C) Indian building more technological
 - (D) Indian building poorly documented
 - (E) Answer not known

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4.		ch ancient Indian site was pres ch by the Portuguese?	ented due to its conversion into a
	(A)	Konark Sun Temple	(B) Ajanta Caves
	(C)	Elephant Caves	(D) Fatehpur Sikri
	(E)	Answer not known	
5.	Wha	t does ICCROM stand for?	
	(A)	International Council for Monuments	Conservation of Regional
	(B)	International Center for Monuments	the conservation of Resource
	(C)	International Center for the Restoration of Cultural Prope	Study of the Preservation and rty
	(D)	International Committee for Monuments	or the Reconstruction of old
	(E)	Answer not known	
6.		t is the main goal of pruments/objects?	reservation of historic/heritage
	(A)	Rebuild damaged parts	(B) Keep existing state
	(C)	Add modern design	(D) Enhance visual appeal
	(E)	Answer not known	
7.		rding to Perry's model for hborhood unit was designed to	how many people the ideal accommodate?
	(A)	3,000	(B) 6,000
	(C)	9,000	(D) 12,000
	(E)	Answer not known	
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- 8. Which foundational planning document formally introduced Perry's Neighborhood unit concept to the broader public and professional discourse?
 - (A) CIAM charter of Athens
 - (B) The American Vitruvius
 - (C) Volume VII of the 1929 Regional Plan
 - (D) Housing and Town Planning Act -1909
 - (E) Answer not known
- 9. Which of the following characteristic is most commonly associated with the Bostan Central Peninsula area Studied?
 - (A) Grid layout, wide boulevards
 - (B) Flat hand, symmetrical zoning
 - (C) Crooked, paths, distinct district
 - (D) Uniformed design, same material
 - (E) Answer not known
- 10. Choose the correct answer:

What Urban Design element does Kevin Lynch describe as "The Channels along which the observer customarily, occasionally or potentially moves?

(A) Districts

(B) Edges

(C) Paths

(D) Landmarks

(E) Answer not known

- 11. Who is author of the book "The Radburn idea" published in 1957?
 - (A) Steen Filler Rasmussen
- (B) Clarence S. Stein

(C) Paul Zucker

- (D) Kevin Lynch
- (E) Answer not known
- 12. Who designed the Urban planning project Industrial City (Cite Industrielle)?
 - (A) Ebenezer Howard
- (B) Paul Zucker

(C) Tony Gainer

- (D) Steen Eiler
- (E) Answer not known
- 13. What does the "CRUTA" stand for?
 - (A) Conservation and Restoration of Urban Technology and Architecture
 - (B) Cultural Revival of Urban Traditional Architecture
 - (C) Conservation and Research of Urban Traditional Architecture
 - (D) Construction and Renovation of Urban Transit Area
 - (E) Answer not known
- 14. Choose the correct option:

Which best describes the spatial planning philosophy behind the Assembly hall and high court in Chandigarh's Capital Complex?

- (A) Alligned for Summer Solar gain
- (B) Visually Separated from Secretariat for Aesthetics
- (C) Symbolic Opposition showing democratic balance
- (D) Close to Governor's Palace for admin cohesion
- (E) Answer not known

15. Choose the correct answer:

The Urban land ceiling and Regulation Act was enacted in the year

(A) 1956

(B) 1966

(C) 1976

- (D) 1986
- (E) Answer not known

16. Choose the correct answer:

How is the Padmaka town plan best characterized?

- (A) Star shaped fort
- (B) Rectangular blocks around river
- (C) Radial roads from central Temple like Lotus petals
- (D) Bow shaped layout along river
- (E) Answer not known

17. Choose the correct answer:

According to Mansara Shilpa- Shastra, which of the following is not a factor considered in ancient town planning?

(A) Wind direction

- (B) Traffic density
- (C) Climatic conditions
- (D) Soil study
- (E) Answer not known

18. Reason and Assertion type.

Assertion [A] : The Swastika – type town plan symbolizes

movement and dynamic balance.

Reason [R] : In this plan, city layout consist of four arms

radiating from central node, allowing easy

division into functional zones.

(A) Both [A] and [R] are true and [R] is the correct explanation of [A]

- (B) Both [A] and [R] are true, but [R] is the not correct explanation of [A]
- (C) [A] is true, but [R] is false
- (D) [A] is false, but [R] is true
- (E) Answer not known

19. Choose the correct answer:

Why it is difficult to clearly trace the origin of Ancient Cities?

- (A) Most cities were built after the historical period
- (B) Ancient cities were too small to study
- (C) Critical changes occured before historical record begun
- (D) Urban Development begun in isolated forest
- (E) Answer not known

20. Choose the right answer from the statements given below:

Which of the following statement best explains why the Indus Valley civilization was established near the Indus River?

- (A) Rich in iron ore
- (B) Semi-arid soil suited wooden ploughts
- (C) Heavy Rainfall supported forming
- (D) Ideal for trade with West Asia
- (E) Answer not known
- 21. City Development plans are formulated for accessing funds under JNNURM. The terminology of 'City development plan' is renamed as
 - (A) City Investment Plan
 - (B) Comprehensive Development Plan
 - (C) City Vision Plan
 - (D) Comprehensive Investment Plan
 - (E) Answer not known
- 22. The town planning scheme that is popularly referred as 'land acquisition without tears' is known as
 - (A) Land pooling scheme
- (B) Land Acquisition Scheme
- (C) Land Reservation
- (D) Guided land development
- (E) Answer not known

23. In SEZ scheme, goods and services coming from SEZ into I treated as			s coming from SEZ into DTA are			
	(A)	Imports	(B) Exports			
	(C)	Inter-State supply	(D) Intra state supply			
	(E)	Answer not known				
24.	TDR	shall not apply to cases where	a private land is required for			
	(A)	Road widening				
	(B)	Constructing public bus stops				
	(C)	Construction of metro rail				
	(D)	Legalising illegal constructions				
	(E)	Answer not known				
25.		inter tidal zone i.e., the area be shall constitute under the class	etween low tide line and high tide			
	(A)	CRZ-IA	(B) CRZ-IB			
	(C)	CRZ-II	(D) CRZ-III A			
	(E)	Answer not known				
26.	In u	rban finance collection of Bette	rment Levy is under the head of			
	(A)	Taxes	(B) Surcharges			
	(C)	Charges	(D) Fees			
	(E)	Answer not known				

27.	desi	The private contractor is selected through a building process, who designs and builds a facility for a fixed fee, rate or total cost in this type of contract?				
	(A)	Supply and management cont	cract			
	(B)	Turnkey				
	(C)	Concessions				
	(D)	Lease				
	(E)	Answer not known				
28.	In A	MRUT Scheme the abbreviation	n of CWAP is			
	(A)	City Water Action Plans				
	(B)	Country Water Action Plans				
	(C)	City Water Augmentation Pla	ns			
	(D)	Computed Water Augmentati	on Plans			
	(E)	Answer not known				
29.	effe	an urban e-governance environ ctive decision-making by enh ernment and citizens and within	ancing communication between			
	(A)	ICT	(B) Finance			
	(C)	Cluster	(D) Education			
	(E)	Answer not known				

30.	deve	lementation and governa	nce frame	assists in creating the ework under which heritage h advice and guidance on all
	(A)	National Advisory Comn	nittee	
	(B)	National Project Manage	ement Un	it
	(C)	HRIDAY National Empo	wered Co	mmittee
	(D)	National Mission Directo	orate	
	(E)	Answer not known		
31.	diffe		=	is photographed from two ne two perspective centres is
	(A)	Axis	(B)	Base
	(C)	Focus	(D)	Datum
	(E)	Answer not known		
32.		area of land, water and or ble from a fixed vantage (v		conmental elements that are
	(A)	Hill shade	(B)	Surface shed
	(C)	View shed	(D)	Watershed
	(E)	Answer not known	, ,	
33.		process of combining image		ate one large file by means of ag is known as
	(A)	Subsetting	(B)	Rubber sheeting
	(C)	Mosaicking	(D)	Stitching
	(E)	Answer not known		
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. Which of the following is correct in the Data editing process of GIS					
(i)	Pseudo nodes do not indicate a	an error			
(ii)	Pseudo nodes occur where a si	ngle line connects itself			
(iii)	Dangling nodes and pseudo no	odes are same			
(A)	(iii) only	(B) (i) and (iii) only			
(C)	(i) and (ii) only	(D) (ii) and (iii) only			
(E)	Answer not known				
	_	nents are true about aerial			
(i)	The cameras used in aerial photography are of short cycling time, fast lenses and efficient shutters				
(ii)	Aerial photographs are always vertical				
(iii)	Aerial cameras are capable of weather conditions	functioning under most extreme			
(A)	(i) only	(B) (i) and (iii) only			
(C)	(i) and (ii) only	(D) (ii) and (iii) only			
(E)	Answer not known				
36. The grid based GIS spatial data can be stored, man analysed and referenced basically in any one of three mode the below is not a such model.		· · · · · · · · · · · · · · · · · · ·			
(A)	GRID	(B) IMGRID			
(C)	MAP	(D) LAGI			
(E)	Answer not known				
	(i) (ii) (iii) (A) (C) (E) Which phot (i) (ii) (C) (E) The analy the k (A) (C)	 (i) Pseudo nodes do not indicate a si (ii) Pseudo nodes occur where a si (iii) Dangling nodes and pseudo not (A) (iii) only (C) (i) and (ii) only (E) Answer not known Which of the following statement photography? (i) The cameras used in aerial patime, fast lenses and efficient (ii) Aerial photographs are always (iii) Aerial cameras are capable of weather conditions (A) (i) only (C) (i) and (ii) only (E) Answer not known The grid based GIS spatial data analysed and referenced basically in the below is not a such model. (A) GRID (C) MAP 			

37.		The method of predicting unknown values using known values from neighboring locations to generate a raster grid is called					
	(A)	Pixelation	(B) Interpolation				
	(C)	Kriging	(D) Querying				
	(E)	Answer not known					
38.	cons	The science and art of determining the size and shape of objects as a consequence of analysing images recorded on film or electronic media is known as					
	(A)	Digitization	(B) Cartography				
	(C)	Photogrammetry	(D) Orthorectification				
	(E)	Answer not known					
39.	The	process of adding intelligence t	to the data file in GIS is called as				
	(A)	Tagging	(B) Digitizing				
	(C)	Buffering	(D) Rubber sheeting				
	(E)	Answer not known					
40.		use of coordinate reference at, line and area features is kno	system to define the location of own as				
	(A)	Rasterization	(B) Raster geocoding				
	(C)	Vector geocoding	(D) Vectorization				
	(E)	Answer not known					

41.		minimum length of fillet welcoize of the weld.	d sho	uld be tim	es
	(A)	2	(B)	2.5	
	(C)	3	(D)	4	
	(E)	Answer not known			
42.		cantilever type retaining wall e retained over a depth of	one	used in the case where ear	th
	(A)	Upto 10 m	(B)	Upto 5 m	
	(C)	Upto 2 m	(D)	Upto 3 m	
	(E)	Answer not known			
43.		ad carrying stiffener prevents concentrated load on the mem		of the web due	to
	(A)	Bending	(B)	Buckling	
	(C)	Shear	(D)	Twisting effect	
	(E)	Answer not known			
44.		boocket bases, the length of the land be greater thanion.			
	(A)	1.5	(B)	1.3	
	(C)	1.2	(D)	1.7	
	(E)	Answer not known			

45. The spacing between adjacent parallel line of f to the direction of load/stress is called			line of fasteners, transverse	
	(A)	Pitch	(B)	Gauge distance
	(C)	Edge distance	(D)	Staggered pitch
	(E)	Answer not known		
46.	Whi	ch mode of failure is considered	l in f	illet weld?
	(A)	Bending	(B)	Tension
	(C)	Shear	(D)	Buckling
	(E)	Answer not known		
47.	The	stress on a fillet weld is critical	l on	the throat and is represented
	(A)	f/0.707a	(B)	6f/0.708a
	(C)	2f/0.606a	(D)	2f/0.807a
	(E)	Answer not known		
48.	The is	load factor for dead load + imp	osed	load in ultimate load design
	(A)	1.7	(B)	1.5
	(C)	1.6	(D)	2.0
	(E)	Answer not known	. ,	

	batt	ens must be less				
	slen	derness of the column				
	(A)	0.5	(B) 0.2			
	(C)	0.3	(D) 0.7			
	(E)	Answer not known				
50.	Pres	stressed concrete bean	fails suddenly without warning d	ue to		
	(A)	Failure of concrete in	n compression zone			
	(B)	Failure of concrete in	n tension zone			
	(C)					
	(D)	Failure of buckling				
	(E)	Answer not known				
51.	The	stress in the steel of p	re stressed concrete is the product	of		
	(A)) Modular ratio \times Stress in concrete				
	(B)	Modular ratio \times Slenderness ratio				
	(C)	Strain in concrete × Load applied				
	(D)					
	(E)	Answer not known				
52.		average value of Poiss	son's ratio for pre-stressed concre	te taken		
	(A)	0.10	(B) 0.25			
	(C)	0.15	(D) 0.29			
		Answer not known				

53. As per Indian code practice minimum grade of concrete pre-tensioned pre stressed concrete is			n grade of concrete used for	
	(A)	M 40	(B)	M 50
	(C)	M 45	(D)	M 30
	(E)	Answer not known		
54.	The	external pre stressing of t	he concre	te can be best obtained from
	(A)	Flat jacks	(B)	Mechanical jack
	(C)	Hydraulic jack	(D)	Anchor cones
	(E)	Answer not known		
55.	The	provision of column head,	in flat sla	abs, is to increase
	(A)	Punching resistance	(B)	Torsional resistance
	(C)	Tensile resistance	(D)	Bending resistance
	(E)	Answer not known		
56.	-	per IS 456-2000 the ratio one volume of the core shall		ume of helical reinforcement
	(A)	$0.45 \; ((Ag/Ac) - 1) \; (f_{ck}/f_y)$	(B)	$0.30 \ ((Ag/Ac) - 1) \ (f_{ck}/f_y)$
		$0.52 \ ((Ag/Ac) - 1) \ (f_{ck}/f_y)$		·
	(E)	Answer not known		
57.		distribution of stress and be found by using		concrete between the cracks
	(A)	No shop theory	(B)	Theory of elasticity
	(C)	Crack theory	(D)	Curvature-area theorem
	(E)	Answer not known		
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58.		design strength of a material is obtained by dividing acteristic strength of that material by		
	(A)	Partial safety factor	(B) Serviceability limit	
	(C)	Total safety factor	(D) Characteristic load	
	(E)	Answer not known		
59.	The	two principal types of limit sta	ate are	
	(i)	limit state of collapse and lim	nit state of fatigue	
	(ii)	limit state of collapse and lim	nit state of vibration	
	(iii)	limit state of collapse and lim	nit state of serviceability	
	(iv)	limit state of fatigue and limi	it state of vibration	
	(A)	(i)	(B) (ii)	
	(C)	(iii)	(D) (iv)	
	(E)	Answer not known		
60.	_	total strains due to shrinkag een the range	ge of concrete being generally in	
	(A)	0.0002 - 0.0006	(B) $0.0002 - 0.0003$	
	(C)	0.0001 - 0.0005	(D) 0.0001 – 0.0006	
	(E)	Answer not known		
61.		ssibility of bus stops at hbourhood.	metres distance from	
	(A)	100	(B) 200	
	(C)	300	(D) 400	
	(E)	Answer not known		
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62.	degr	Due to rising rate of deforestation and the resulting environmental degradation, the Central Government enacted the in 1980.					
	(A)	EIA	(B)	Forest Conservation Act			
	(C)	Environment Protection	(D)	Noise Pollution			
	(E)	Answer not known					
63.		are those where ed	ono	mic growth and development			
		estering, that reduce negative act on natural resources and the					
	(A)	Sponge city	(B)	Green city			
	(C)	Eco-city	(D)	Compact city			
	(E)	Answer not known					
64.		ny development is focused arou e of access to the transit facility					
	(A)	Transit oriented development	(B)	Sustainable planning			
	(C)	Compact city	(D)	Green city			
	(E)	Answer not known					
65.	Hea of	lth, Security, Vigor and Sustai	nab	ility are the basic principles			
	(A)	Sustainable planning	(B)	Green city			
	(C)	Smart city	(D)	Eco-city planning			
	(E)	Answer not known					

66.		ch e-services of a ortunities, training ma	=		listant learning
	(A)	e-Learning	(B)	e-Security	
	(C)	e-Business	(D)	e-Health an	d Tele-care
	(E)	Answer not known			
67.		is a	compact and	integrated	transportation
	deve	elopment, which is inc	orporated in c	ompact cities	5.
	(A)	Compact city			
	(B)	Transit oriented dev	relopment		
	(C)	Eco city			
	(D)	Smart city			
	(E)	Answer not known			
68.	The deve	EIA notification elopmental sectors, wh		notified	
	(A)	30	(B)	39	
	(C)	34	(D)	36	
	(E)	Answer not known			
69.	Stat	utory Towns means			
	(A)	First category of urb	an units		
	(B)	Second category of t	owns		
	(C)	First category of me	dium town		
	(D)	Second category of la	arge city		
	(E)	Answer not known			

70.	Exp	ansion of URDPFI			
	(A)	Urban and Regional Planni	ng		
	(B)	Rural Planning			
	(C)	Urban and Regional Dev Implementation	elopment Plans	s Formulation	and
	(D)	Urban and Rural Devel Implementation	opment Plans	Formulation	and
	(E)	Answer not known			
71.	In cons	EIA process,sideration in the decision mak	are adeq	uately taken	into
	(A)	Scoping			
	(B)	Screening			
	(C)	Decision making			
	(D)	Public consultation and par	rticipation		
	(E)	Answer not known			
72.	fron	EIA process n all of a projects possible im could be addressed.			
	(A)	Decision making	(B) Scoping		
		Public participation	(D) Screening	ng	
	(E)	Answer not known			

73.		is a second type of agglomerative economy which				
		rs if the production output of the urba			ual firm decreas	ses as the
	(A)	Urbanization econ	omies	(B) Loc	calization econo	mies
	(C)	Agglomerative eco	nomy	(D) Eco	onomic base stu	dy
	(E)	Answer not known	1			
74.		limitation of area	and height	of buil	ldings shall be	specified
	(A)	Development Cont	rol Regulati	ons		
	(B)	Floor Area Ratio				
	(C)	Open Space Ratio				
	(D)	Set backs				
	(E)	Answer not known	1			
75 .	Econ	nomic base study me	eans			
	(A)	For projecting emp	oloyment gro	wth		
	(B)	For economic grow	vth			
	(C)	For multiplier effe	ect			
	(D)	For labour demand	d			
	(E)	Answer not known	n			
76.	The the o	lab	our sells its	produc	cts to consumer	rs outside
	(A)	Local		(B) Ins	side	
	(C)	Export		(D) Im	port	
	(E)	Answer not known	1			

77.	There are two types of Agglomerative economies. They are				
	(A)	Localization economies and u	rbanization economies		
	(B)	Import and export economies			
	(C)	Scale economies			
	(D)	Trade			
	(E)	Answer not known			
78.		ording to theo nomic base of the urban econom	ry, the export industries form the		
	(A)	Economic growth	(B) Economic base theory		
	(C)	Base study	(D) Economics		
	(E)	Answer not known			
79.		lomeration economics can b gories.	e described in		
	(A)	Sharing, matching and learn	ing		
	(B)	Land economics			
	(C)	Sharing and matching			
	(D)	Learning			
	(E)	Answer not known			
80.		er which land use category gorized?	does the retail shopping zone		
	(A)	Industry	(B) Commercial		
	(C)	Residential	(D) Public and semi-public		
	(E)	Answer not known			

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81.	The	e frequency range of		
	(A)	20 to 50 Hz	(B)	200 to 500 Hz
	(C)	$2,000$ to $5,000~\mathrm{Hz}$	(D)	600 Hz to 1,500 Hz
	(E)	Answer not known		
82.		_	n the	waste water contains either
	exce	ss alkali (or) acid.		
	(A)	Demonstration	(B)	Chemical treatment
	(C)	Biological treatment	(D)	Neutralization
	(E)	Answer not known		
83.		industrial installations for collution.	the	sources of
	(A)	Square	(B)	Mobile
	(C)	Line	(D)	Stationary
	(E)	Answer not known		
84.	_	anic matter in the solid was ous and stable mineral compou		
	(A)	Pulverisation	(B)	Composting
	(C)	Incineration	(D)	Dumping
	(E)	Answer not known		

85.		is installed in the	hou	ise drainage to preserve the
	wate	er seal of traps.		
	(A)	Vent pipe	(B)	Soil pipe
	(C)	Antisiphonage pipe	(D)	Waste pipe
	(E)	Answer not known		
86.		digestion is a pro	ocess	s in which micro organisms
		in energy by endogenous (or) oplasm.	auto	o oxidation of their cellular
	(A)	Anaerobic	(B)	Sludge
	(C)	Aerobic	(D)	Elutriation
	(E)	Answer not known		
87.		nineralisation is a te water treatment.		in unit operation in
	(A)	Preliminary process	(B)	Primary treatment process
	(C)	Secondary treatment process	(D)	Tertiary treatment process
	(E)	Answer not known		
88.		is the physical	unit	operation in waste water
	trea	tment.		-
	(A)	Sedimentation	(B)	Plug flow
	(C)	Adsorption	(D)	Disinfection
	(E)	Answer not known		

89.	hotu	is constructed on a sewer line to provide connection between a high level branch sewer to a low level main sewer.				
		C				
	(A)	Clean outs	(B) Lamp hole			
	(C)	Access hole	(D) Drop man hole			
	(E)	Answer not known				
90.	At		ty the solid particles will remain in at the bottom of the sewer.			
	(A)	Maximum	(B) Self cleansing			
	` /	Peak flow	(D) Dry weather flow			
	` /	Answer not known	(B) Bij weddiel liew			
91.	The	approximate optimum m/sec.	n velocity for 15 cm diameter pipe is			
	(A)	1.020	(B) 1.0020			
	(C)	120	(D) 1.20			
	(E)	Answer not known				
92.		_	of supply, water is supplied only for the			
	peal	x periods during mornin	g and evening.			
	(A)	Continuous supply	(B) Intermittent supply			
	(C)	Rotational supply	(D) Mod flow			
	(E)	Answer not known				

93.	Grid	d iron system is also kn	own as
	(A)	Reticulated system	(B) Tree system
	(C)	Line system	(D) Radial system
	(E)	Answer not known	
94.	$\frac{1}{\text{dist}}$	valves a	re placed at the low points in the
	(A)	Sluice valves	(B) Air valves
	(C)	Drain valves	(D) Pressure relief valves
	(E)	Answer not known	
95.		sea water is the most	evident example of salt water. Sea water percent of salt.
	(A)	0.0	(B) 1.0
	(C)	3.5	(D) 1.5
	(E)	Answer not known	
96.	— pipe	-	roduced when the velocity of water in the sudden closure of valve.
	(A)	Ct	(B) Internal pressure
	(A)	Stresses of bends	(b) Internal pressure
	(A) (C)	Water hammer	(D) Longitudinal stress

97.		bacterias can sur	rvive between the temperature of
	20° t	to 40°C.	•
	(A)	Thermophilic	(B) Mesophilic
	(C)	Faecal	(D) Pshychrophilic
	(E)	Answer not known	
98.		bacteria can sı	urvive without the presence of
	oxyg	gen.	
	(A)	Aerobic	(B) Thermophilic
	(C)	Mesophilic	(D) Anaerobic
	(E)	Answer not known	
99.	titra	ners method to determine ation with a standard solution age as indicator.	hardness by hordness by of sulphuric acid using methyl
	(A)	Total	(B) Calcium
	(C)	Permanent	(D) Temporary
	(E)	Answer not known	
100.	Odo	ur test can be carried out by	instrument.
	(A)	Nephlometers	(B) Calorimeter
	(C)	Osmoscope	(D) Dissolved oxygen meter
	(E)	Answer not known	

101.	Lighting condition are usually described in terms of illumination on a given plane most often the horizontal working plane known as				
	(A)	Scalar illumi	ination	(B) Planar illumination	
	(C)	Vegor illumi	nation	(D) Spherical illumination	
	(E)	Answer not l	known		
102.	Asse	rtion [A] :		shelter found in most desert by walls of earth, brick or stone ame material.	
	Reas	on [R] :	•	rovide good thermal capacity as and protection against noise.	
	(A)	[A] and [R] a	re false		
	(B)	[A] and [R] a [A]	are true, but [R]	is not the correct explanation of	
	(C)	[A] and [R] a	re true, but [R] is	the correct explanation of [A]	
	(D)	[A] is true bu	at [R] is false		
	(E)	Answer not l	known		
103.	•	conditions ar s except durin		in warm-humid climatic	
	(A)	Clear		(B) Dark	
	(C)	Cloudy		(D) Dull	
	(E)	Answer not l	known		

- 104. Following are site planning strategies to be used for HOT ARID regions.
 - 1. Use moisture conserving plants.
 - 2. Trap cool air for convection.
 - 3. Avoid heat absorbing materials.
 - 4. Promote solar gain in winter season.
 - (A) 1, 2, 3, are correct
- (B) 1, 3, 4 are correct
- (C) 2, 3, 4 are correct
- (D) All are correct
- (E) Answer not known
- 105. Which of the following is NOT a key strategy for site design in temperated and cold regions?
 - (A) Promote solar gain in winter season
 - (B) Avoid tall solid walls that block winds
 - (C) Maintain openings for cooling summer breezes
 - (D) Provide afternoon shade with deciduous trees
 - (E) Answer not known
- 106. Following are the advantages of providing a water feature in Urban Landscape?
 - 1. Aesthetics
 - 2. Functional reasons
 - 3. Psychological
 - 4. Utilitarian
 - (A) 1, 2, are correct

(B) 2, 3, are correct

(C) 3, 4, are correct

- (D) All are correct
- (E) Answer not known

- 107. Which of the following is NOT a factor to consider when determining widths for bikeways?
 - (A) Spatial dimensions of Bicycle
 - (B) Maneuvering space for balancing
 - (C) Anticipated volume of traffic
 - (D) Adjacent landscape strip width
 - (E) Answer not known
- 108. Which of the following is NOT a general site design strategy for HOT ARID regions?
 - (A) Use moisture conserving plants
 - (B) Deflect hot winds
 - (C) Allow for escape of cool air
 - (D) Prevent heat build up
 - (E) Answer not known
- 109. The environmental benefits of GREEN ROOFS are
 - 1. Improves thermal insulation
 - 2. Reduces urban heat Island
 - 3. Produces oxygen
 - 4. Provided habitat for wildlife
 - (A) 1 and 2 only

(B) 1, 2, 3 only

(C) 1, 4 only

- (D) all the above
- (E) Answer not known

110.	Whic	Which of the following is NOT a green way?				
	(A)	Bicycle routes	(B) Wildlife corridors			
	(C)	Tree shaded foot paths	(D) Parking lots			
	(E)	Answer not known				
111.		ision of horizontal sashes incli opriate direction helps to prom	_			
	(A)	30°	(B) 60°			
	(C)	45°	(D) 120°			
	(E)	Answer not known				
112.		is the metric used to measu	are performance of a cool roof.			
	(A)	Solar Reflective Index	(B) Solar Radiation Index			
	(C)	South Radiation Index	(D) Surface Reflexive Index			
	(E)	Answer not known				
113.		facing spaces will rece	eive daylight throughout the day			
		most of year.				
	(A)	North	(B) South			
	(C)	East	(D) West			
	(E)	Answer not known				

the ceiling due to the principle of buoyancy. (A) Move (B) Fall (C) Rise (D) Stay (E) Answer not known	
(C) Rise (D) Stay	
` ', '	
(E) Answer not known	
115. Assertion [A]: Choosing the optimum orientation to daylight and to minimize summer hea winter heat loss can have a significant energy efficiency.	t gain and
Reason [R]: North facing windows suffer very little and benefits are often gained by havir axis pointing east/west.	_
(A) [A] is true but [R] is false	
(B) [A] is false, [R] is true	
(C) Both [A] and [R] are true but [R] is the correct exp [A]	olanation of
(D) Both [A] and [R] are true, but [R] is not t explanation of [A]	the correct
(E) Answer not known	
116. Parking bays reserved for the handicapped should be width.	in
(A) 2.5 m (B) 3 m	
(C) 3.5 m (D) 4 m	
(E) Answer not known	

117.	_	is the art of arranging structures, on the land and shaping the spaces between them, an art linked to architecture, engineering, landscape architecture and city planning.							
	(A)	Site analysis	(B)	Site planning					
	(C)	Site inventory	(D)	Site surveying					
	(E)	Answer not known							
118.		Which of the following is an aspect of neighbourhood context in site analysis?							
	(A)	Location of the city							
	(B)	Existing and projected building use in the neighbourhood							
	(C)	Dimensions of the site							
	(D)	Drainage pattern of the site							
	(E)	Answer not known							
119.	Which of the following is NOT a HARD DATA for site analysis?								
	(A)	Location	(B)	Dimentions					
	(C)	Climate	(D)	Noise					
	(E)	Answer not known							
120.	Based on the object of survey, which of the following is NOT a method of object of survey?								
	(A)	Engineering survey	(B)	Military survey					
	(C)	Geological survey	(D)	Triangulation survey					
	(E)	Answer not known							

- 121. Identify the correct attributes which contributes to the transport model from the following?
 - (i) Destination
 - (ii) Population
 - (iii) Route
 - (iv) Transport mode
 - (v) Mobility
 - (vi) Location
 - (A) (i) (iii) (iv) (v) and (vi)
- (B) (i) (ii) (iii) (iv) and (v)
- (C) (ii) (iii) (iv) (v) and (vi)
- (D) (i) (ii) (iii) (v) and (vi)
- (E) Answer not known
- 122. Which of the following statement is correct?
 - (1) Advanced mapping and statistical techniques are used for calculating land suitability.
 - (2) Suitability analysis in the process to assign weightage and overlay the factors
 - (3) All factors are assign with same weightage.
 - (A) Only (1) is correct
- (B) (1) and (2) are correct
- (C) (2) and (3) are correct
- (D) (1) and (3) are correct
- (E) Answer not known

123.	Assertion [A]:		Land suitability refers to the ability of a particular type of land to support a specific use.					
	Reasons [R]:		Land suitability can be used in planning process the finalize most appropriate land for particular land use.					
	(A)	Both [A] a	and [R] are correct					
	(B)	[A] is true	e [R] is false					
	(C)	[A] is false	e [R] is true					
	(D)	Both [A] a	and [R] are false					
	(E)	Answer n	ot known					
124.	24. In transportation planning, while developing the trip distribumodels. Identify the models which employs a more rational synthetic methods from the following?							
	(i)	Gravity M	Iodel					
	(ii)	Tanner M	lodel					
	(iii)	Fratar Me	ethod					
	(iv)	Furness N	Method					
	(A)	(i) and (ii)		(B)	(i), (ii) and (iv)			
	(C)	(iii) and (i	v)	(D)	(ii), (iv)			
	(E)	Answer n	ot known					
125.	developed an urban land use model that was built around two gravity model structures, one for residential and another for retail service feedbacks.							
	(A)	Lowry		(B)	Zipf			
	(C)	Homer Ho	oyt	(D)	Mumford			
	(E)	Answer n	ot known					

126.	6. Which of the following statement is correct?									
	(1)	Focused Group collection and rese			(D)	is	a	qualitative	data	
	(2)	-								
(3) FGD is used to explore meaning of survey.										
	(A)	Only (1) is correct		(B)	(1)	and	(2)	are correct		
	(C)	(2) and (3) are corr	rect	(D)	(1)	and	(3)	are correct		
	(E)	Answer not known	n							
127.	7. In transportation planning, model takes the trip produced at one zone and distributes to other zones based on bot the size of the other zones (as measured by their trip attraction) an composite cost (travel time, distance or cost for all modes available to other zones.							both and		
	(A)	Gravity		(B)	Lov	wry				
	(C)	Sector		(D)	Sin	nula	tio	n		
	(E)	Answer not known	n							
128.	Which of the following statement are correct as per the Variable Index Method?									
		Fixed weights are Variable weights a	_							
	(3) Weight is given to each activities									
	(A)	Only (2) is correct		(B)	On	ly (3	3) is	s correct		
	(C)	(2) and (3) are cor	rect	(D)	(1)	and	(2)	are correct		
	(E)	Answer not known	n							

129. Match the following Region.

- (1) The Great Mountain Wall Kutch Peninsula
- (2) The Great Plain Aravalli Hills
- (3) The Great Plateau Punjab
- (4) Coastal Plains Darjeeling
- (A) 4, 3, 2, 1 (B) 1, 2, 3, 4
- (C) 2, 3, 4, 1 (D) 3, 2, 1, 4
- (E) Answer not known

130. Match the following:

- (1) Macro Region Division of a State
- (2) Meso Region Zonal Councils
- (3) Micro Region Grass-root planning
- (4) Micro-Minor Planning Metropolitan area
- (A) 2, 1, 4, 3 (B) 1, 2, 3, 4
- (C) 2, 3, 4, 1 (D) 3, 4, 1, 2
- (E) Answer not known

131. Assertion [A]: Nodal region is heterogeneous region.

Reason [R]: Interdependence is a rule in heterogeneous region.

- (A) Both [A] is true and [R] is true
- (B) [A] is false and [R] is true
- (C) [A] is true and [R] is false
- (D) Both [A] and [R] are false
- (E) Answer not known

132. Match the following:

- (1) World level Ecological development
- (2) National level Social development
- (3) Subnational level Regional disparities in development
- (4) Local level Economic development
- (A) 4, 2, 3, 1 (B) 3, 4, 2, 1
- (C) 2, 1, 3, 4 (D) 1, 2, 4, 3
- (E) Answer not known

133. Match the plans and projects which are correct?

- (1) Metro Rail NMV facility plan
- (2) Freight terminals Intermodal facility
- (3) Parking Regulatory measures
- (4) Railway crossing Public transport improvement plan
- (A) (1) and (2) are correct
- (B) (2) and (3) are correct
- (C) (3) and (4) are correct
- (D) (1) and (4) are correct
- (E) Answer not known

134.	Mate	h the following plan with a	pproving authority.
	(1)	Perspective plan –	Jn NURM
	(2)	Development plan –	Municipal Council
	(3)	Annual plan –	Municipal Corporation
	(4)	City Development plan -	State Government
	(A)	4, 3, 2, 1	(B) 3, 2, 1, 4
	(C)	2, 1, 4, 3	(D) 1, 4, 3, 2
	(E)	Answer not known	
135.	Matc	h the following plan with t	heir scope and purpose.
	(1)	Perspective plan – C	omprehensive plan of rural areas
	(2)	Regional plan – S	patio-economic development policies
	(3)	Master plan – T	heme based development
	(4)	Special purpose plan – D	evelopment plan
	(A)	3, 4, 2, 1	(B) 2, 3, 4, 1
	(C)	1, 2, 3, 4	(D) 2, 1, 4, 3
	(E)	Answer not known	
136.	Asse		ensus the number of census town 51. Whereas the number of statutory ased by 6.3%.
	Reas		that a number of rural settlements rban characteristics.
	(A)	[A] is true and [R] is true	(B) [A] is false and [R] is true
	(C)	[A] is true and [R] is false	(D) [A] is false and [R] is false

(E) Answer not known

137.	Mate Regio		lowing Auth	or 1	to Criteria used for classification of
	(1)	V. Nath		_	Energy of power
	(2)	Bhat and	l Rao	_	Population density
	(3)	Sen Gupt	ta	_	Natural resources
	(4)	K.L. Vij a	and Chandra	_	Topography, Land use
	(A)	3, 2, 1, 4			(B) 2, 3, 4, 1
	(C)	1, 2, 3, 4			(D) 4, 3, 2, 1
	(E)	Answer r	not known		
138.		(C) [A] is true and [R] is false (D) [A] is false and [R] is false			
139.	9. Assertion [A]: The aim of town design is to see that the urb elements not only function properly but also in pleasing way.				
	Ticas	on [R] :			considered in the civic design.

(A)

(C)

(E)

[A] is true [R] is true

[A] is true [R] is false

Answer not known

(B) [A] is false [R] is true

(D) [A] is false [R] is false

140.	Matc	ch the following:		
	(1)	Mohenjo-Daro -	- Hara	рра
	(2)	Indus-valley civilisation -	- Hill o	of the Dead
	(3)	Viswakarmaprakash -	- Swas	tika, Padmaka
	(4)	Mansara Silpashastra -		layout the towns and then of the town
	(A)	2, 1, 4, 3	(B)	1, 2, 3, 4
	(C)	4, 3, 2, 1	(D)	3, 4, 1, 2
	(E)	Answer not known		
141.		are wide stor where strips can be tied up		built along edge or out into ad goods.
	(A)	Pontoon	(B)	Wharves
	(C)	Shoreline	(D)	Hexapods
	(E)	Answer not known		
142.		long excavated chamber ha and floor known as	aving si	de walls, a semi circular end
	(A)	Graving dock	(B)	Wet dock
	(C)	Jettie	(D)	Channel buoys
	(E)	Answer not known		

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143.			refers to sh	neltered sl	heet of water where vess	sels
		anchored.				
	(A)	Waves		(B)	Tides	
	(C)	Sea		(D)	Harbour	
	(E)	Answer not	known			
144.			consists of	the stri	ip of pavement joining t	the
	runv	vay to Apron.				
	(A)	Air mail				
	(B)	Heli port lig	hting			
	(C)	Bearing cap	acity of soil			
	(D)	Taxi ways				
	(E)	Answer not	known			
145.		airport site ection to the	selected sho	ould be su	uch that it provides natu	ıral
	(A)	Roads		(B)	Area from air raids	
	(C)	Fuel spillage	e	(D)	Drop holes on airport	
	(E)	Answer not	known			
146.		ir	ndicates the	configura	tion locations and size of	all
	phys	ical facilities	•			
	(A)	Airport Acce	ess plan	(B)	Terminal Area Plan	
	(C)	Land use Pl	an	(D)	Airport layout plan	
	(E)	Answer not	known			

147.	The o	drainage system in a railway tr	ack	is a	element.					
	(A)	Vertical	(B)	Critical						
	(C)	Long layer	(D)	Easy						
	(E)	Answer not known								
148.	The s	The specialty of "Rack railway" is								
	(A)	It has special locomotive								
	(B)	It has special engine								
	(C)									
	(D)	All of the above								
	(E)	Answer not known								
149.	Choo	se the correct statement regard	ding	creep						
	(i)	Creep is greater on curves than on rails tangents								
	(ii)	Creep is new rails is more tha	n th	at in old rail						
	(iii)	Creep is more on steep gradien	nt th	nan on level track						
	(A)	Only (i)	(B)	Only (ii)						
	(C)	Only (iii)	(D)	All of above						
	(E)	Answer not known								
150.	Wha	t is the maximum speed of train	n in	standard III Interlo	ocking?					
	(A)	120 kmph	(B)	125 kmph						
	(C)	130 kmph	` ,	140 kmph						
	(E)	Answer not known	` /	•						

- 151. Which one is not special types of signals?
 - (A) Repeater Signals
 - (B) Detonating Signals
 - (C) Point Indicators
 - (D) Routing Signals
 - (E) Answer not known
- 152. Traffic Index can be calculated by
 - (A) 1.35 (EWL)^{0.11}
 - (B) 1.25 (EWL)^{0.11}
 - (C) 1.35 (EWL)^{0.21}
 - (D) 1.25 (EWL)^{0.21}
 - (E) Answer not known
- 153. Alligator cracking causes due to
 - (A) Repeated application of loads
 - (B) Allow surface water to seep through in it
 - (C) Relative movement of pavement layer material
 - (D) Inherent weakness of the pavement mixtures
 - (E) Answer not known

154.	Benkelman	beam is	a	device	used to) measure	the
TO 1.	Dominical	occiti io	a			, iii cas ai c	

- (A) Consistency of the pavement
- (B) Mix ratio of the pavement
- (C) Rebound deflection of the pavement
- (D) Flukiness of the pavement
- (E) Answer not known

155. As per IRC specification, the maximum spacing of contraction joint in unreinforced CC slab is

- (A) 4.5 m
- (B) 3.5 m
- (C) 4.0 m
- (D) 2.5 m
- (E) Answer not known

156. Recommended valve of camber for water bound macadam roads of heavy rainfall.

- (A) 1 in 30
- (B) 1 in 36
- (C) 1 in 48
- (D) 1 in 60
- (E) Answer not known

157. The length of the transition curve depends on

- (A) SSD and design speed
- (B) Camber and design speed
- (C) Radius and design speed
- (D) Kerb and design speed
- (E) Answer not known

158. Intellection time is

- (A) Time required for final action
- (B) Time required for emotional sensation
- (C) Time required for perceive an object
- (D) Time required for understanding situation
- (E) Answer not known

159. Kerb indicates the boundary between

- (A) Pavement and camber
- (B) Pavement and shoulder
- (C) Pavement and crown
- (D) Pavement and Frontage
- (E) Answer not known

160. PCU stand's for

- (A) Passenger Car Unit
- (B) Practical Car Unit
- (C) Passenger Cart Unit
- (D) Practical Cart Unit
- (E) Answer not known

161. SVAMITVA stands for

- (A) Systematic Validation and Mapping of Indian Territories via Aerial Vehicles
- (B) Smart Village Asset Mapping and Information Technology for Value Administration
- (C) Survey of Villages and Mapping with Improvised Technology in Village Areas
- (D) Satellite and Visual Assessment for Mapping and Integration of Territorial Village Assets
- (E) Answer not known
- 162. Identify the following that is NOT included in the calculation of Carpet Area?
 - (A) Balcony area
 - (B) Service area
 - (C) Area of Walls
 - (D) Toilet area
 - (E) Answer not known

163.		rding to Tamil Nac s 2019, "High Rise height.		-	_		
	(A)	10.5 m	(B)	11.5 m			
	(C)	15.3 m	(D)	18.3 m			
	(E)	Answer not known					
164.	Iden	tify the following tha	t is NOT a tier	of Panchayat	i Raj?		
	(A)	Gram Panchayat					
	(B)	Panchayat Samiti					
	(C)	Zilla Parishad					
	(D)						
	(E)	Answer not known					
165.	The state	74 th Constitutional as to	Amendment	Act provides	Constitutional		
	(A)	Panchayats	(B)	Municipalitie	es		
	(C)	District Courts	(D)	Gram Sabhas	8		
	(E)	Answer not known					

166.	Which	of	the	following	is	'NOT'	a	multilateral	organization	that
	provide	e ai	d/fur	nds to othe	er c	ountrie	s?			

- (A) World Bank
- (B) Organization for Economic Cooperation and Development (OECD)
- (C) Asian Development Bank
- (D) US Agency for International Development (USAID)
- (E) Answer not known
- 167. According to URDPFI, the purpose of ______ plan is to develop vision and provide a policy framework for urban and regional development and further detailing.
 - (A) Regional
 - (B) Development
 - (C) Perspective
 - (D) Local area
 - (E) Answer not known
- 168. The Chairperson of CUMTA (Chennai Unified Metropolitan Transport Authority) is
 - (A) Minister of Transport
 - (B) Mayor of Chennai
 - (C) Chief Secretary of Tamil Nadu
 - (D) Chief Minister of Tamil Nadu
 - (E) Answer not known

- 169. Choose the 'Correct' statements from the following list.
 - (a) For a residence with floor area above 75 sq.m, 1 car space have to be provided
 - (b) For a shopping centre with a floor area upto 50 sqm. no car space need to be provided
 - (c) For an auditorium/Kalyana Mandapam, 1 car space and 1 two wheeler space have to be provided for every 10 sq.m
 - (d) For a hospital with floor area above 3000 sq.m, 1 car space and 1 two wheeler space have to be provided for every 50 sq.m.
 - (A) (a) and (b)
 - (B) (a), (b) and (c)
 - (C) (b), (c) and (d)
 - (D) (c) and (d)
 - (E) Answer not known

170. Explain the full form of CUMTA

- (A) Chennai Unified Metro Transport Authority
- (B) Chennai Urban Mobility and Transit Authority
- (C) Chennai Unified Metropolitan Transport Authority
- (D) Chennai Urban Multi-Modal Transport Association
- (E) Answer not known

- 171. In transportation planning Delphi method is used for
 - (A) Judgemental Forecast
 - (B) Time-Series forecast
 - (C) Associative model
 - (D) Time-space method
 - (E) Answer not known
- 172. Principles of Transit Oriented Development (TOD) is
 - (A) To encourage urban sprawl
 - (B) To promote development around public transit hubs
 - (C) To reduce public transportation usage
 - (D) To create isolated residential areas
 - (E) Answer not known
- 173. Choose the following which is not used for route assignment technique?
 - (A) Intervening opportunity model
 - (B) All or nothing method
 - (C) Diversion curve technique
 - (D) Multiple route assignment technique
 - (E) Answer not known

- 174. This type of survey does not give information about the trip purpose or origin and destination of trip
 - (A) Post card survey
 - (B) Road side interview method
 - (C) Household survey
 - (D) License plate survey
 - (E) Answer not known
- 175. Choose the right answer which is not the method for trip generation analysis?
 - (A) Multiple linear regression analysis
 - (B) Aggregated and disaggregated analysis
 - (C) Diversion curve method
 - (D) Category analysis
 - (E) Answer not known
- 176. Parking index is expressed as
 - (A) Turnover curve
 - (B) Accumulation curve
 - (C) Vehicle hours
 - (D) No. of bays occupied/ theoretical number of \times 100 bays available
 - (E) Answer not known

177.	7. Bus Rapid Transit System is preferable when but per hour per direction (bphpd) use the bus way.							
	(A)	More than 100	(B) Less than 100					
	(C)	In between 50 to 100	(D) More than 50					
	(E)	Answer not known						
178.		se any one of the following wh stination survey?	ich is NOT an objective of	origin				
	(A)	To determine the amount of by	y passable traffic					
	(B)	To develop trip generation and trip distribution models						
	(C)	To assess the adequacy of parking facilities						
	(D)	To assess the pedestrian pattern						
	(E)	Answer not known						
179.		mmended sample size for Hong ng population over 10,00,000	me Interview survey of an	area				
	(A)	1 in 10 households	(B) 1 in 15 households					
	(C)	1 in 20 households	(D) 1 in 25 households					
	(E)	Answer not known						
180.		rge study of transportation preed in form of	rojects, the study area has	to be				
	(A)	Zones	(B) Sub-zones					
	(C)	Sectors	(D) Land parcels					
	(E)	Answer not known						

181.	archi	_	chimneys parapet walls and g in height shall building.
	(A)	1 m	(B) 1.2 m
	(C)	1.5 m	(D) 1.8 m
	(E)	Answer not known	
182.		podium is permitted in a plo nt shall not exceed	t of area 1500 m 2 or more, the
	(A)	10 m	(B) 15 m
	(C)	20 m	(D) 30 m
	(E)	Answer not known	
183.		norizon, on the great circle pa	f celestial sphere, measured from ssing through the body and the
	(A)	Azimuth	(B) Altitude
	(C)	Latitude	(D) Longitude
	(E)	Answer not known	
184.		rding to TNCD & BR 2019, the ucational Institution is	e minimum width of staircase for
	(A)	0.75 m	(B) 0.90 m
		1.5 m	(D) 2.00 m
	(E)	Answer not known	

185.		rding to TNCD & BR 2019, stries when the abutting road v			age			
	(A)	6.0 m	(B)	4.5 m				
	(C)	3.0 m	(D)	1.5 m				
	(E)	Answer not known						
186.	plan	the application for planning pedraw should be to the scale of equiposite upto one hectare.						
	(A)	1:200	(B)	1:500				
	(C)	1:1000	(D)	1:2000				
	(E)	Answer not known						
187.	Conn	naught place, New Delhi was de	esign	ned by				
	(A)	Mehrotra	(B)	W.H. Nicholas				
	(C)	Edwin Lutyens	(D)	Sir Hebert Baker				
	(E)	Answer not known						
188.	The first Architecture school in India							
	(A)	Architectural Academy, Bomb	ay					
	(B)	The Nagpur School of Architec	cture	,				
	(C)	Sir J.J. School of Architecture						
	(D)	Delhi Polytechnic						
	(E)	Answer not known						

189.	89. Arrange the post modern Architects in the chronological order				
	(i)	Gehry			
	(ii)	Walker			
	(iii)	Aalto			
	(iv)	Venturi			
	(A)	(iii), (iv), (i), (ii)	(B)	(iv), (iii), (ii), (i)	
	(C)	(iii), (iv), (ii), (i)	(D)	(iv), (iii), (i), (ii)	
	(E)	Answer not known			
190.	IIT E	Boiler House was designed by			
	(A)	Mies Vander Ruhe	(B)	F.L. Wright	
	(C)	Le Corbusier	(D)	C.F. Morphay	
	(E)	Answer not known			
191.		ne Universal Design and Barring Distance is upto 7 metres t			
	(A)	$60 \text{ mm} \times 60 \text{ mm}$	(B)	$100 \text{ mm} \times 100 \text{ mm}$	

(C)

(E)

 $200~\text{mm} \times 200~\text{mm}$

Answer not known

(D) $450 \text{ mm} \times 450 \text{ mm}$

192. Match the following – Size of Letters in signages. Height of letters Viewing Distance (a) 6 meters 1. 130 mm 2. (b) 12 meters 80 mm 3. (c) 15 meters 50 mm (d) 25 meters 4. 40 mm 5. 25 mm 6. 20 mm (b) (a) (c) (d) (A) 5 2 3 4 2 (B) 6 4 3 (C) 6 3 5 4 (D) 5 4 3 2 (E) Answer not known 193. If the sign Background is Red Brick the colour contrast of Sign Boards should be (A) White (B) Black (D) Green Yellow (C) (E) Answer not known 194. The minimum wheelchair Manoeuvring space on the pull side of the door handle should be 650 mm (B) 700 mm (A) 750 mm (D) 800 mm (C) Answer not known (E)

195.	Under the category of Assembly Halls the number of spaces designated for wheelchair users in a seating area when the no. of seats in the seating area is upto 1000							
	(A)	6	(B) 8					
	(C)	10	(D) 12					
	(E)	Answer not known						
196.	An area used for a stroll or walk, especially in a public place, as for pleasure or play.							
	(A)	Pylon	(B) Promenade					
	(C)	Portico	(D) Propylon					
	(E)	Answer not known						
197.	The articulation of the importance or significance of a form or space by its size, shape or placement relative to the other forms and spaces of the organization							
	(A)	Rhythm	(B) Axis					
	(C)	Symmetry	(D) Hierarchy					
	(E)	Answer not known						
198.	"Architecture is the masterly, correct and magnificent play of masses brought together in light. Our eyes are made to see forms in light; light and shade reveals the form is a saying by							
	(A)	Le Corbusier	(B) Frank Lyoid Wright					
	(C)	Mies Van-rohe	(D) Alvar Alto					
	(E)	Answer not known						

199.	The forms which the Habitat Montreal designed by Moshe Safdie depicts is							
	(A)	Radial Form	(B)	Clustered f	forn	1		
	(C)	Linear form	(D)	Grid form				
200.		This element can articulate the penetrable boundaries of spatial zones which mesh easily with adjacent spaces? (A) Architrave (B) Beams						
	(C)	Columns		Archs				
	(E)	Answer not known	(D) .	110113				