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Question Booklet No. :		ARPA/2022									
		Register Number									

2022 ARCHITECTURE (Degree Standard)

Duration: Three Hours]

[Total Marks: 300

Read the following instructions carefully before you begin to answer the questions.

IMPORTANT INSTRUCTIONS

- 1. You will be supplied with this question booklet 15 minutes prior to the commencement of the examination.
- 2. This question booklet contains 200 questions. Before answering the questions, you shall check whether all the questions are printed serially and ensure that there are no blank pages in the question booklet. If any defect is noticed in the question booklet, it shall be reported to the invigilator within the first 10 minutes and get it replaced with a complete question booklet. If the defect is reported after the commencement of the examination, it will not be replaced.
- 3. Answer all the questions. All the questions carry equal marks.
- 4. You must write your register number in the space provided on the top right side of this page. Do not write anything else on the question booklet.
- 5. An answer sheet will be supplied to you separately by the room invigilator to shade the answers. Instructions regarding filling of answers etc., which are to be followed mandatorily, are provided in the answer sheet and in the memorandum of admission (Hall Ticket).
- 6. You shall write and shade your question booklet number in the space provided on page one of the answer sheet with BLACK INK BALL POINT PEN. If you do not shade correctly or fail to shade the question booklet number, your answer sheet will be invalidated.
- 7. Each question comprises of five responses (answers): i.e. (A), (B), (C), (D) and (E). You have to select ONLY ONE correct answer from (A) or (B) or (C) or (D) and shade the same in your answer sheet. If you feel that there are more than one correct answer, shade the one which you consider the best. If you do not know the answer, you have to mandatorily shade (E). In any case, choose ONLY ONE answer for each question. If you shade more than one answer for a question, it will be treated as a wrong answer even if one of the given answers happens to be correct.
- 8. You should not remove or tear off any sheet from this question booklet. You are not allowed to take this question booklet and the answer sheet out of the examination room during the time of the examination.

 After the examination, you must hand over your answer sheet to the invigilator. You are allowed to take the question booklet with you only after the examination is over.
- 9. You should not make any marking in the question booklet except in the sheets before the last page of the question booklet, which can be used for rough work. This should be strictly adhered to.
- 10. Failure to comply with any of the above instructions will render you liable for such action as the Commission may decide at their discretion.

SPACE FOR ROUGH WORK

1.	The	Buddhist halls for prayer are called	d	
	(A)	Vihara		
	(B)	Stupa		
	(C)	Torana		
	(D)	Chaitya Halls		
	(E)	Answer not known		
2.	The	accommodation of the Buddhist mo	nks is	s known as
	(A)	Viharas	(B)	Chaityas
	(C)	Stupas	(D)	Prastaras
	(E)	Answer not known		
3.	The	———— plan was the basis for	the cl	assical Greek temple planning.
	(A)	Linear	(B)	Cross
	(C)	Basilican	(D)	Megaron
	(E)	Answer not known		
ı.)	The	purpose of the pyramids in ancient	Egypt	is
	(A)	To protect the body of the pharaoh		
	(B)	To create a stairway from heaven		
	(C)	To create a memorial for the Phar		
	(D).	To provide jobs for the Egyptian pe	eople	
	(E)	Answer not known		
	The	diameter of the dome of the Pantheo	on, Ro	me is
	(A)	37.5 m	(B)	45 m
	(C)	39 m	(D)	43.2 m
	(E)	Answer not known		
			SO FINE SE	

6.	The following are not the components of king post truss?							
	(A)	Tie beam	(B)	Two inclined principal rafter				
	(C)	Two struts	(Dy	Straining Beam				
	(E)	Answer not known						
	\$()							
7.		defect due to fungi in Timber, w	here th	e wood gets converted to a dry powder				
	(A)	Brown Rot	(B)	Heart Rot				
	(C)	Dry Rot	(D)	Wet Rot				
	(E)	Answer not known						
8.	The	following is not an additive used i	n concre	ete				
	(A)	Fibres	(B)	Silica fume				
	(C)	Glass wool	(D)	Plasticizers				
	(E)	Answer not known						
9.	In-	cement mortar is reinf	orced wi	ith chicken wire mesh.				
	(A)	Reinforced cement concrete	(B)	Fibre reinforced concrete				
	(C)	Ferro cement	(D)	High Density concrete				
	(E)	Answer not known						
10.		ing curing of concrete, the chemics place only when the percentage		ion between the constituents of cement umidity is				
	(A)	98%	(B)	95%				
	(C)	90%	(D)	84%				
	(E)	Answer not known						
11.	The	density of Aerated concrete is						
	-(A)	1000 – 1900 Kg/m ³	(B)	$480 - 800 \text{ Kg/m}^3$				
	·(C)	2200 – 2600 Kg/m ³	(D)	3300 – 3800 Kg/m ³				
	(E)	Answer not known						
	. \		STATE OF THE PARTY					

12.	At w	that stage of settlement planning a	city s	erves as a capital of state or region
	(A)	Metropolis	(B)	Polis
	(C)	Ecopolis	(D)	Megalopolis
	(E)	Answer not known		
13.		ording to the town planner Doxiadis, llel development of several Dynapol		development of the city which undergoes n different direction is called as
	(A)	Dynametropolis		
*	(B)	Ecumenopolis		
	(C)	Dynapolis		
	(D)	Dynamegapolis		
	(E)	Answer not known	1.4	
14.	The	"Broad Acre city" was conceived by		
	(A)	Le corbusier	(B)	Paolo solari
	(C)	F.L. Wright	(D)	Buckminster fuller
	(E)	Answer not known	,	
15.	Duri	ng 19 th century in Europe and USA	man	y new banks, hotels, libraries and other
		ic buildings were erected in the - nn ornamentations.		style with papyrus and lotus
	(A) V	Egyptian	(B)	Greek
	(C)	Rome	(D)	Byzantine
	(E)	Answer not known		
			- 4	
16.		Courtyard house is the most commod example of controlling.	on pro	ototype of vernacular dwelling which is
	(A)	Microclimate	(B)	Macroclimate
	(C)	Moisture	(D)	Wind
	(E)	Answer not known		

17.	To d	determine the boundaries and	aries and area of parcel of land is known as				
	(A)	Cadastral survey	(B)	Engineering survey			
	(C)	Route survey	(D)	Astronomical survey			
	(E)	Answer not known					
18.	In le	evelling, the measurements a	nyo takon in				
10.			(B)	Inclined plane			
	(C)	Horizontal plane	(D)	Vertical and Horizontal plane			
	(E)	Answer not known	(В)	vertical and Horizontal plane			
	(1)	1 Miswel Houkhown					
19.	The	ratio method of slope descrip	otion defines s	slope steepness as ratio of			
	(A)	Horizontal dimension to ve	ertical dimens	ion			
	(B)	Larger dimension to shorte	er elevation				
	(C)	Shorter dimension to vertice	cal elevation				
	(D)	Vertical elevation to horizo	ntal dimensi	n			
	(E)	Answer not known					
20.	Expa	ansion of "EIA" in Environme	ental Laws				
	(A)	Environmental Impact Ass	essment				
	(B)	Ecological Impact Assessm	ent				
	(C)	Environmental Identity As	sessment				
	(D)	Ecological Identity Assessm	nent				
	(E)	Answer not known					
21.	amo	particles are large unt of ionization.	e and travel	few centimeters in air causing large			
	(A)	Alpha rays	(B)	Beta rays			
	(C)	Gamma rays	(D)	Tungsten rays			
	(E)	Answer not known					

22.	Whi	ch one of the following is	not a character	istic feature of an event	?
	(A)	Either the start or com	pletion		
	(B)	Acts as a controlling po	int in a project		
	(C)	Requires time and reso	urces		
	(D)	Does not require time a	and resources		
	(E)	Answer not known			
23.		have an activity where t			
		st start is week 14 and th 8 weeks			nis activity is
	(A)		(B)	6 weeks	
	(C) (E)	4 weeks Answer not known	(D)	18 weeks	
24.	In se	elf-climbing forms, ———	is placed	into a continuous climl	oing.
	(A)	Aggregate	(B)	Mortar	
	(C)	Cement	(D)	Concrete	
	(E)	Answer not known			
25.		eneral 1.0 cubic yard nat compaction.	cural conditions	soil can replace	—— cubic yard
	(A)	0.5 cubic yard	(B)	0.9 cubic yard	* * *
	(C)	1 cubic yard	(D)	1.25 cubic yard	
	(E)	Answer not known			
26.	The	process of calculating th	ne quantity of n	naterials required to b	uild a project is
	(A)	Measurements	(B)	Volume	
	(C)	Quantity survey	(D)	Quality survey	
	(E)	Answer not known			

27.	1	per COA guidelines, the third prize h built up area above 25,000 sq.m is	for	architectural competitions, for projects
	(A)	Rs.4 lakhs	(B)	Rs.3 lakhs
	(C)	Rs.2 lakhs	(D)	Rs.3.5 lakhs
	(E)	Answer not known		
28.		architect may exhibit his name outsi	de h	is office, provided the lettering does not
	(A)	Not exceeding 16 cms	(B)	Not exceeding 14 cms
	(C)	Not exceeding 12 cms	(D)	Not exceeding 10 cms
	(E)	Answer not known		
29.	The	council of Architecture – Statuary at	ithoi	rity constituted under the :
	(A)	The Architects Act, 1964	(B)	The Architects Act, 1970
	(C)	The Architects Act, 1972	(D)	The Architects Act, 1962
	(E)	Answer not known	*	
30.	This (i) (ii) (iii)	s function is NOT suitable in warm h Evaporative cooling Humidification Washing the air	umic	l climate?
	(A)	(i)	(B)	(ii)
	(C)	(iii)	(D)	(i) and (ii)
4,7	(E)	Answer not known		
31.	The	minimum fees for comprehensiv servation and retrofitting projects as p		rchitectural services in architectural COA is
	(A)	5.5% on the cost of works assigned		
	(B)	6.5% on the cost of works assigned		
	(C)	7.5% on the cost of works assigned		
	(D)	8.5% on the cost of works assigned		
	(E)	Answer not known		

32.	The	The instrument used to measure the shadow angles is called							
	(A)	Solar chart	(B)	Shadow angle protractor					
	(C)	Sun path diagram	(D)	Perimeter scale					
	(E)	Answer not known							
33.	The	factors that affect the thermal comf	ort of	people and energy use in buildings are					
	(A)	Temperature and humidity							
	(B)	Landform and vegetation							
	(C)	Time-lag and decrement factor							
	(D)	Thermal capacity and specific hea	t of b	uilding materials					
	(E)	Answer not known							
34.				sphere, which would in the absence o					
	radia	ation produce same effect as the atm	nosph	ere is called					
	(A)	Corrected temperature	(B)	Effective temperature					
i ida	(C)	Operative temperature	(D)	Predicted temperature					
	(E)	Answer not known							
35.	The	transmittance value (U Value) of a	mater	rial is expressed in					
	(A)	J/m³ degC	(B)	W/m² degC					
	(C)	J/m² degC	(D)	W/m³ degC					
	(E)	Answer not known							
36.	The	Angle hetween a line due South an	d the	shadow cast by a vertical rod on Earth					
JO.	A	fined as	iu ane	shadow east by a vertical for on Earth					
	(A)	Horizontal shadow angle							
	(B)	Cosine law							
	(C)	Altitude angle							
	(D)	Azimuth angle							
	(E)	Answer not known							

37.		is made of multiple centers that are cities, towns and villages each
	with	its own identifiable center.
	(A)	Monolopolis
	(B)	Metropolis
	(C)	Dyanamopolis
	(D)	Cosmopolis
	(E)	Answer not known
38.	The	process of settlement formation, expansion and change is called
	(A)	Population shift
*	(B)	Urbanisation
	(C)	Post modern expansion
	(D)	City growth
	(E)	Answer not known
39.	Moh	allas in walled city of Delhi is also referred as
4	(A)	Neighbourhood centre
	(B)	Commercial centre
	(C)	Religious centre
	(D)	Industrial centre
	(E)	Answer not known
40.	A me	asurement of all travel in and out of a defined area is
	(A)	Travel count
	(B)	Transit count
	(C)	Cordon count
	(D)	Pardon count
	(E)	Answer not known

- 41. Identify the false statement when air conditioning a guestroom in a large Hotel. The sensible heat load of a room is generally low (A) (B) Prevention of transmission of noise from one room to another must be considered Each room need not have an independent temperature control (C)

 - (D) Transmission of odours from one room to another should be avoided
 - (E) Answer not known
- 42. Passive design strategies, not suitable for hot-dry climates
 - (A) An enclosed compact plan
 - (B) Shading devices
 - (C) Small enclosed courtyards
 - Large openings during day (D)
 - (E) Answer not known
- The desirable minimum Airchanges Per Hour (ACH) for a class room as per NBC 43. 2016 is

 - 15-20 (B)
 - (C) 30-35
 - (D) 3-5
 - (E) Answer not known
- The Electrical distribution, which offers for flexibility for future-replanning and in 44. large office spaces where desks are placed remote from walls, is
 - (A) Duct-tube system
 - Floor-trunking system (B)
 - (C) Over head distribution system
 - (D) Skirting trunking system
 - (E) Answer not known

45.		oncrete masonry unit with traight is called	ansvers	e op	enings to permit	ventilation	excluding
	(A)	Camboge		(B)	Calyon		
	(C)	Callotte		(D)	Calyx		
	(E)	Answer not known					
46.		ch the philosophies of archite up B	cts in G	roup	A with the arcl	nitect who qu	uoted it in
	GIO.		Group E	3			
	(a)	Architecture is the play of forms under	l. F.L.		ht		
	(b)	light Function follows form	2. Char	loc (Correa		
	(c)				de Rohe		
	(d)	Concept of unity in nature 4	Le Co	rbus	sier	+	
		(a) (b) (c) (d)					
	(A)	2 1 4 3					
	(B)	2 1 3 4					
	(C)	$\begin{array}{cccccccccccccccccccccccccccccccccccc$					
	(D) (E)	Answer not known				\$ 6 - 1 F \$ 1	
47.		ospheric perspective refers to	the pro	ores	sive muting that	occur with	increasing
		stance from the observer.	one pro	91 CD.	inc macing, ma	Coccar with	inor cubing
	(A)	of hues, tonal value and con	trast	(B)	of point, line an	d texture	
1.	(C) (E)	of colour, tones and texture Answer not known		(D)	of spacing, textu	ire and dens	ity
48.	A ra	ised platform, approached by	steps at	the	entrance of hous	e is called	
		Courtyard			Stoop		
	(C)	Fore court		(D)	Piloti		
	(E)	Answer not known					
49.		nnique for rendering atmosphe soften contrast, which will	eric pers	pect			ten values
	(A)	move objects back		(B)	move objects for		
	(C) (E)	move objects both back and fo Answer not known	orward	(D)	move objects sid	ewards	
50.	The	form of a circulation space var	ries acco	ordin	g to how		
	1.	its boundaries are defined	6.1				
	2. 3.	its forms relates to the form entrances open onto it.	of the s	pace	it links		
*	(A)	1 and 2 are true, 3 is false		(B)	1 and 3 are false		
	(C) (E)	1, 2 and 3 are true Answer not known		(D)	1 is false, 2 and	3 are true	

51.	Ider	ntify the buildings designed by Cha	rles Co	orrea?
	(A)	I.I.M. Bangalore	(B)	Asiad Village, New Delhi
	(C)	University of Jodhpur Campus	(D)	Tara group Housing, New Delhi
N	(E)	Answer not known		
			* 1	
52.	Cork	ousier was inspired by the cooling	towers	of the power stations of Ahmedabad fo
		design of the ———— in Chand		
	(A)	Secretariat Building	(B)	City Centre
	(C)	High court	. (D)	Assembly Building
	(E)	Answer not known		
53.	Tude	or Arch is essentially a ————	- center	red arch.
	(A)	Three	(B)	Four
	(C)	Two	(D)	Five
	(E)	Answer not known		
54.	Who	designed New Delhi, the current c	apital (of India?
	(A)	E.B. Havell	(B)	Louis Kahn
	(C)	Sir Edwin Landseer Lutyens	(D)	Le Corbusier
	(E)	Answer not known		
55.	CIAN	M stands for		
	(A)	Congre's International Architectu	ire Mod	lerne
	(B)	Competition of International Arch		
	(C)	Cities of International Architectu		
	(D)	Culture of International Architect		
	(E)	Answer not known		

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56.	The	base of Early greek temples are call	eu as					
	(A)	Stereobate	(B)	Stereobase				
	(C)	Stylobate	(D)	Stylobase				
	(E)	Answer not known						
57.	The origi	columns of the old Kingdom of And	cient l	Egypt had decorations of a				
	(A)	Animal	(B)	Inscriptional				
	(C)	Vegetative	(D)	Human				
	(E)	Answer not known						
58.		The geological name given to a group of hydrated, laminar materials which are aluminium-iron-magnesium silicates and resemble mica in appearance is known as						
	(A)	Asphalt	(B)	Bitumen				
	(C)	Vermiculite	(D)	Balata				
	(E)	Answer not known						
59.	Mine then		re coa	ted with oil and phenolic resin to make				
	(A)	Fire resistant	(B)	Water repellent				
	(C)	Chemical resistance	(D)	Non-Combustile				
	(E)	Answer not known	1					
60.		Most popular system of foundation in India, normally done by local masons without consulting professionals						
	· (A)	Strip foundation						
	(B)	Raft foundation						
	(C)	Pile foundation						
	(D)	Shot-bored pile foundation						
	(E)	Answer not known						
			XI - 1 - 1 - 1					

61.	Rocks formed due to the actions of earth movements, temperature changes liquid					
	(A)	Sedimentary rock	(B)	Plutonic rock		
	(C)	Metamorphic rock	(D)	Stratified rocks		
	(E)	Answer not known				
62.		safe allowable compressive str tars is ——————————————————————————————————	ength fo	or brick masonry in 1:3 or 1:4 cement		
	(A)	125	(B)	175		
; ; [*	(C)	200	(D)	225		
	(E)	Answer not known				
63.	Identify one Characteristics which does NOT fall under the disadvantages of urban sprawl					
	(A)	High car dependence	4.			
	(B)	Inadequate facilities eg. cultur	al, emerg	gency		
	(C)	Low public support for sprawl				
	(D)	Low per person Infrastructure	costs			
	(E)	Answer not known				
64.	Name the tool that guides the development of the new areas in accordance with the Land use plan					
	(A)	Sub-division regulations	(B)	Density population		
	(C)	FSI	(D)	Plot coverage		
	(E)	Answer not known				
65.		tor in which Rural to urban mi lation pressure and lack of resou		s happening on a massive scale due to iral areas.		
	(A)	Push factor	(B)	Pull factor		
	(C)	Both push and pull factor	(D)	Drought		
	(E)	Answer not known				
	Part Part					

66.		er the traditional town planning ch of the following	principl	es Nandyavarta (Tov	vn plan) resembles				
	(A)	Flower shaped	(B)	Lotus shaped					
	(C)	Bow shaped	(D)	Star shaped					
	(E)	Answer not known							
67.	In A	ncient planning text, the measur	ement of	10 dandas =	feet				
	(A)	100	(B)	60					
	(C)	80	(D)	40					
	(E)	Answer not known							
68.		ntify the Bi-lateral agency which government.	n provide	es aid to developing	countries from its				
	(A)	(A) Organization for Economic Cooperation and Development (OECD)							
	(B) US Agency for International Development(USAID)								
	(C)	Asian Development Bank (ADI	3)						
	(D)	World Bank							
	(E)	Answer not known			*				
69.	Ran	k the following in terms of run-of	ff retenti	on					
	(i)	Thin extensive green roofs							
	(ii)	Intensive green roofs							
	(iii)	Brown roofs							
	(A)	(i), (ii) and (iii)	(B)	(ii), (i) and (iii)					
	(C)	(iii), (ii) and (i)	(D)	(ii), (iii) and (i)					
	(E)	Answer not known							
70.	The vertical section of the layers of soil is known as soil								
	(A)	Horizon	(B)	Lamina					
	(C)	Profile	(D)	Strata	* 1				
	(E)	Answer not known	i i						

71.	The	e liquid form of aerosol is		
	(A)	Dust		
	(B)			
	(C)			
	(D)			
	(E)			
	(2)	THIS WOLLDON KNOWN		
72.	The	e disposal method of pyrolysis follows the pro	ocesses of	
	(A)	Evaporation		
1 3	(B)			
	(C)	Distillation		
	(D)			
	(E)	Answer not known		
	(12)	Answer not known		
73.		e term 'Noosystem' was used by	in 1978.	
7	(A)	Barrett		
•	(B)	Lock whistler		
	(C)	Locks wheeler		
	(D)	Tansley. A		
	(E)	Answer not known		
74.	In pi	project management, The process of establis	hing a structural relation	onship among
		ctions of people is called		
	(A)	Planning		
	(B)	Leading		
	(C)	Organising		
	(D)	Staffing		
	(E)	Answer not known		

75.	Cont	traction joint allows		100	
	(A)	Prope bond between old an	d new concrete		
	(B)	Expansion movement			
	(C)	Shrinkage movement			
	(D)	Higher strength or concrete	•		
	(E)	Answer not known			
76.	Rene	ewal of the foundation is carr	ied out by		
	(A)	Shoring method			
(a x ind v	(B)	Scafolding method			•
	·(C)	Underpinning method			
	(D)	Tremie method			
	(E)	Answer not known			
77.	In to	wer crane, the diameter of co	oil is cable way		
	(A)	75 mm	(B) 25 mm		
	(C)	50 mm	(D) 100 mm		
	(E)	Answer not known			
78.		struction method in which for ess and generally used to con			
	(A)	Engineered Formwork met	hod		
	(B)	Flexible Formwork method			
	(C)	Slip forming Formwork me	thod		
	(D)	Re-usable plastic Formworl	k method		
	(E)	Answer not known			
	1				

79.		is a right which the ov	vner c	or occupier of certain land possesses for				
	n Visit	benefit enjoyment of land.						
	(A)	Dispute	(B)	Right to act				
	(C)	Easement	(D)	Arbitration				
	(E)	Answer not known						
80.	NBO	O is an abbreviation of						
	(A)	National Building Organisation	(B)	Network Building Organisation				
	(C)	Native Building Organisation	(D)	National Building Operation				
	(E)	Answer not known						
81.	Wha and	at is the possible temperature depre clear nights?		of radiant cooling during Humid nights				
	(A)	7° F and 10° F	(B)	7° F and 12° F				
	(C)	10° F and 12° F	(D)	10° F and 14° F				
	(E)	Answer not known						
82.	Expa	ansion of 'ASHRAE'.						
	(A)	The American Society of High Rise	Buile	dings and Environment				
	(B)			Refrigerating and Air Conditioning				
	(C)							
	(D)							
	(E)	Answer not known						
83.	The 1	passive solar elements can be divide	d into	two groups as				
	(A)	The passive heating and passive co	oling	elements				
	(B)	Trombe wall systems and Earth Cl	hanne	ls				
	(C)	Passive and Active Solar systems	10 m / 10					
	(D)	Heat collectors and heat transporte	ers					
al (u	(E)	Answer not known	1.					
1								

84.	Environmental factors that determine human thermal comfort include air temperature, air velocity, relative humidity and							
	(A)	Radiant temperature	(B)	Clothing				
	(C)	Metabolic Rate	(D)	Activity				
	(E)	Answer not known	X -0 8 = 3					
85.	Inst	rument used for measuring relati	ive humi	dity is				
	(A)	Thermometer	(B)	Hygrometer				
	(C)	Anemometer	(D)	Pyranometer				
	(E)	Answer not known						
86.		s is of least importance in an i dings	nventory	sheet used for	documenting heritage			
	(A)	Name, photo and age of the building						
	(B)	3) Address of the building with location map						
	(C)	(C) Name of the documenting person and date of documentation						
	(D)	(D) Photo of person who had documented the site						
	(E)	Answer not known						
87.	The	term "ICOMOS" refers to						
	(A)	(A) International council of Monuments and sites						
	(B)							
	(C)	International council in Monuments and sites						
	(D)							
	(E)	Answer not known						
	```							
88.		existing sound buildings are plication of certain bye-laws and or	14					
	(A)	Conservation	(B)	Modification				
	(C)	Maintenance	(D)	Protection				
	(E)	Answer not known						

89.	The	physical material of a building or artefact is called	
	(A)	Texture	
i sa iv	(B)	Cloth	
	(C)	Fabric	
	(D)	Delude	
	(E)	Answer not known	
90.	Carv	ved male figures used as a column in classical architecture is called	
	(A)	Atlantes	
	(B)	Caryatid	
	(C)	Andron	
	(D)	Nebulos	
	(E)	Answer not known	
91.	•	are the meaning associated with an object or a phenomeno	n, or
	class	ses of objects and phenomena.	
	(A)	Concrete meaning	
	(B)	Symbolic meaning	
	(C)	Visual meaning	
	(D)	Haptic meaning	
	(E)	Answer not known	
92.		special use areas, which are necessarily dominated by a single primary ac egional level is	tivity
	(A)	Districts	
	(B)	Centers	
	(C)	Preserves	
	(D)	Corridor	
	(E)	Answer not known	

93.	The switches used in a lighting load sub-circuit in a domestic supply, must be of rating						
	(A)	5A, 200V					
	(B)	5A, 250V					
	(C)	15A, 200V					
	(D)	15A, 250V					
	(E)	Answer not known					
94.		capping wiring system, the casing is generally kept at a distance of 3.2 mm y from the wall or ceiling, mainly to					
	(A)	to protect the casing from dampness					
,	(B)	to protect the casing from fire					
	(C)	to protect the casing from mechanical shocks					
	(D)	to protect the casing from cracking due to structural damages					
	(E)	Answer not known					
95.	A se	ptic tank functions on the principle of					
	(A)	Bio-chemical reaction by Anaerobic digestion					
	(B)	Incineration					
	(C)	Composting					
	(D)	Biological treatment unit based on Aerobic digestion					
	(E)	Answer not known					
96.	BOD	of sewage refers to					
	(A)	Biological Oxygen Demand					
	(B)	Biophysical Oxygen Demand					
	(C)	Biochemical Oxygen Demand					
	(D)	Biological Oxygen Disposal					

(E) Answer not known

97.	A be	am supporting the weight above a d	loor o	r window opening is
	(A)	Loggia	(B)	Mactrasah
	(C)	Lintel	(D)	Harmony
	(E)	Answer not known		
98.	The	configuration of surface features of	a plot	of land is called
	(A)	Geology	(B)	Paleo geography
13	(C)	Topography	(D)	Historicity
	(E)	Answer not known		
( * = =				
99.		refers to the measuremen	ts of	the size and proportions of the human
	body			
	(A)	Trignometry	(B)	Ergonomics
	(C)	Anthropometry	(D)	Design thinking
V. 1	(E)	Answer not known		
	1			
100.			olume	of reference to which other elements in
		nposition can relate	(ID)	
	(A)	form	(D)	unity
	(C)	hierarchy	(DX	datum
	(E)	Answer not known	, i	
101.	An e	qual distribution of weight, relation	ship o	or forces
	(A)	Equipoise	(B)	Equilibrium
	(C)	Counterpoise	(D)	Equality
	(E)	Answer not known		
102.	-	shadows are generally da	rkest	where they meet a surface in shade
	becon	ming lighter towards its outer edge		
	(A)	Rendered	(B)	Non linear
	(C)	Linear	(D)	Cast
	(E)	Answer not known		

103.	"	is associated with the eme	rgenç	e of new materials like steel, concrete an
	glass	s, which enabled the construction of sky	y scra	pers.
	(A).	Cubism		
	(B)	Modernism		
	(C)	Contemporary		
	(D) -	TEAM X		
	(E)	Answer not known		
104	mı.			
104.		ous called	the (	Qutb Minar has stepped battlements or
	(A)	Kanjuras	(B)	Hirah
	(C)	Chajja	(D)	Chadar
	(E)	Answer not known		
	F 11			
105.	The	important features of Indo Islamic A	Archit	ecture are
	(A)	Massive columns with Broader cap	oitals	
	(B)	Precise and Harmonious patterns		
	(C) <b>V</b>	Elaborate Geometric Decorations		
	(D)	Square and Grid ground plans		
	(E)	Answer not known		
106.	The A	Arabic script that is simple, cursive	and g	generally without diacritical marks?
-, -	(A)	Kufic		
	(B)	Maghribi		
	(C)	Hijazi		
	(D)	Andalusi		
	(E)	Answer not known		
	<b>-</b> /			

107.		——— are added to the pa	aint to make	it	thin so that it can be	e easily annlied o
	the	surface.			one is the car of	cashy applied o
	(A)	Solvent	(B)	).	Base	
	(C)	Binder	(D)	)	Drier	
	(E)	Answer not known				
	w. * . * . * . * . * . * . * . * . * . *					
108.	One	of the following is not a carr	rier in the ing	gr	edient of paints	
	(A)	Linseed oil	est est			
	(B)	Poppy oil				
	(C)	Nut oil				
	(D <b>)</b>	Naptha oil				
	(E)	Answer not known				
			*			
109.	The	asphalt that cannot be used	for water pro	00	fing?	
	(A)	Asphaltic cement				
	(B)	Asphaltic emulsion				
	(C)	Cut-back Asphalt				
	(D)	Mastic Asphalt				
	(E)	Answer not known				
	y (1.20)					
110.	The	glass that provides undistor	ted vision			
	(A)	Float glass	(B)	I	Frosted glass	
	(C)	Wired glass	(D)		Fibre glass	
	(E)	Answer not known				
	4					
l11.	In m	edium carbon steel, the perc	entage of car	bo	on content is	
	(A)	0.3 - 0.8	(B)		0.8 – 0.14	
#	(C)	0.15 - 0.3	(D)		0.2 - 0.25	

CB

112.		resources like railways, irrigations, etc suggests the setting up of whi		ojects, heavy industries, hydroelectric rms of planning			
	(A)	National planning	(B)	International planning			
	(C)	Country planning	(D)	Regional planning			
	(E)	Answer not known					
113.	India level	a taking into account the extent of	the	has been demarcated by the survey of flooding on the land area due to water changes (erosion or accretion) occuring			
	(A)	Hazard line	(B)	Demarcation line			
	(C)	Buffer line	(D)	High Tide line			
	(E)	Answer not known	•				
114.	The	maximum travel distance to exists	n a fl	oor for educational institutions is			
	(A)	22.5 m	(B)	30.0 m			
	(C)	150 feet	(D)	200 feet			
	(E)	Answer not known					
115.	Acco	rding to CRZ-I, No new construction	shal	l be permitted except			
	(A)	(A) Projects relating to department of atomic energy					
	(B)	Resort projects					
	(C)	Institutional projects					
	(D)	Recreational projects					
	(E)	Answer not known					
116.	whic			removal of buildings from blighted area			
	(A)	Redevelopment	(B)	Rehabilitation			
	(C)	Restoration	(D)	Renovation			
	(E)	Answer not known					
	and the second second second						

117.	Plan	nting in landscape design refers to						
	(A)	Plants	(B)	Stone				
	(C)	Street	(D)	Water				
	(E)	Answer not known						
118.	Tree	Trees organised on a grid in French formal gardens is known as						
	(A)	Bosquet	(B)	Buxus				
	(C)	Grove	(D)	Plantation				
	(E)	Answer not known						
119.	The	modification of landform is termed	as					
	(A)	Grading	(B)	Leveling				
	(C)	Resculpting	(D)	Regrading				
	(E)	Answer not known						
120.	The	minimum required designated par	king a	reas should be provided in the parking				
		s per NBC – 2016						
	(A)	1 Designated parking upto 30 parking space						
	(B)	2 Designated parking upto 20 parking space						
	(C)	4 Designated parking upto 50 parking space						
	(D)	) 3 Designated parking upto 100 parking space						
	(E)	Answer not known						
121.		are tray gardens composed s	solely of	f white sand, pebbles and small rocks.				
	(A)	Bonseki						
	(B)	Topiary						
	(C)	Karesansui						
	(D)	Plant sculpting	· ·					
	(E)	Answer not known						

122.	Ina	Critical Path Method (CPM	), the latest ev	vent time (T _L ) is com	puted using		
	(A)	Backward pass					
	(B)	Forward pass					
	(C)	Both Backward and Forwa	ard pass				
	(D)	Optimistic time estimate					
	(E)	Answer not known					
123.	Whic	Which one of the activity times is not used in Critical Path Method (CPM)?					
	(A)	Earliest start time					
	(B)	Earliest finish time					
	(C)	Latest start time					
	(D)	Most likely time					
	(E)	Answer not known					
124.	An u	An unbroken chain of activity arrows connecting the initial event to some other event					
	(A)	Event	(B)	Activity			
	(C)	Network	(D <b>)</b>	Path			
	(E)	Answer not known					
125.	For large, one-time research and development type 4 projects. Which one is used for analysis.						
	(A)	CPM Analysis					
	(B)	Fulkerson's Rule					
. V	(C) <b>V</b>	PERT Analysis					
	(D)	Deterministic Approach					
	(E)	Answer not known					

120.		Residential PUDs, a minimum of —		of the net area must be common
		n space.	*	
	(A)	10%	(B)	20%
	(C)	30%	(D)	40%
	(E)	Answer not known		
127.	This	s is not an editing command in AUT	OCAI	O?
	(A)	Copy	(B)	Trim
	(C)	Extend	(D)	Hatch
	(E)	Answer not known		
			,	
128.		BD model viewing, the ———————————————————————————————————		— allows us to change the types as,
	(A)	View Orientation	(B)	View Manipulation
	(C)	Orbits	(D)	View modes
	(E)	Answer not known		
129.	The	tool that lets one create and edit mu	ıltiple	views in an AUTOCAD Drawing is
	(A)	View port	(B)	UCS
	(C)	Surface	(D)	Layer
	(E)	Answer not known		
130.		place a number of identical enti angularly or circularly, the command		uniformly at specified location both
	(A)	Copy		
	(B)	Move		
	(C)	Array		
*	(D)	X-ref		
Yes -	(E)	Answer not known		

- 131. The design strategy that is recommended for warm-humid climates.
  - (A) Adequate air movement
  - (B) Evaporative cooling
  - (C) Wall material with high U-value
  - (D) More glazing on the west
  - (E) Answer not known
- 132. In day light factor, constant ratio is expressed as

(A) 
$$DF = \frac{E_i}{E_o} \times 100\%$$

(B) 
$$DF = \frac{I_i}{I_o} \times 100\%$$

(C) 
$$DF = \frac{R_i}{R_o} \times 100\%$$

(D) 
$$DF = \frac{S_i}{S_o} \times 100\%$$

- (E) Answer not known
- 133. In areas where the sky is bright and its high luminance can cause glare, it is advisable to
  - (A) have tall windows
  - (B) permit view of sky and ground near the horizon only
  - (C) avoid sunshades and louvres
  - (D) make the opening as big as possible
  - (E) Answer not known
- 134. In Aerogels, a commonly used building insulation materials.
  - (A) the liquid component of the gel is replaced with gas
  - (B) the gas component is replaced with gel
  - (C) the liquid component of the gel is replaced with reselient materials
  - (D) the gas component is replaced with mercury
  - (E) Answer not known
- 135. Thermal resistance 'R' is expressed by

(A) 
$$R = k \left( \frac{1}{C} - \Delta L \right)$$

(B) 
$$R = k/C - \Delta L$$

(C) 
$$R = \frac{1}{C} = \frac{\Delta L}{k}$$

(D) 
$$R = \frac{k}{\Delta L} = CA$$

(E) Answer not known

130.	The	e term ASI refers to		
	(A)	Architectural Society of India		
	(B)	Archaeological Survey of India		
	(C)	Ancient Survey of India		
	(D)	Architectural Survey of India		
	(E)	Answer not known		
137.	This	s is not a public housing agency in l	ndia	
	(A)	State Housing Boards	(B)	Slum Clearance Board
	(C)	Co-operative Housing Society	(D)	Municipal Corporations
	(E)	Answer not known		
138.	The	Trump World Tower in New York	City is	one of the world's tallest
	(A)	Mixed use skyscraper	(B)	Commercial Complex
	(C)	Residential Building	(D)	Institutional Building
	(E)	Answer not known		
139.	The guide	width of public walks for physelines should be a minimum of	ically	challenged persons as per URDPFI
	(A)	1.0 m		
	(B)	71.2 m		
	(C)	1.5 m		
	(D)	1.8 m		
	(E)	Answer not known		
40.	As pe	er Higher education norms for prov RDPFI guidelines is a population of	iding a	a college of 1000-1500 student strength
	(A)	1.25 lakh	(B)	1.50 lakh
No. No.		1.75 lakh		2.00 lakh
	(E)	Answer not known		

141.	The	following material / condition has the highest noise reduction coefficient.
	(A)	Terrazo
	(B)	Carpet
	(C)	Seating occupied
To the	(D)	Seating Unoccupied
	(E)	Answer not known
142.		iving force in tune with natural frequency of an oscillator can build up larger itudes than the oscillator could alone. This build up is known as
	(A)	Resonance
	(B)	Reverberation
	(C)	Wavelength
	(D)	Frequency
	(E)	Answer not known
143.	A po	dium may be permitted in a plot of area ————— or above.
	(A)	500 sq.m
	(B)	1000 sq.m
	(C)	1500 sq.m
	(D)	2000 sq.m
	(E)	Answer not known
144.		maximum travel distance to the exits for fire and life safety standards of NBC a for a residential building type 1 and 2 is
	(A)	22.50 m
	(B)	30.00 m
	(C)	45.00 m
	(D)	60.00 m
	(D) (E)	60.00 m Answer not known

- 145. In plumbing vent systems are essential for
  - (A) Allowing users to open and close it when needed
  - (B) Ventilating the toilets and urinals
  - (C) Protecting trap seals from siphonage and back pressure
  - (D) systemizing the ventilation process
  - (E) Answer not known
- 146. As per NBC water requirements for factories is
  - (A) 50 Litres per worker per day
  - (B) 60 Litres per worker per day
  - (C) 40 Litres per worker per day.
  - (D) 70 Litres per worker per day
  - (E) Answer not known
- 147. Water requirements for offices is
  - (A) 55 Litres per head per day
  - (B) 25 Litres per head per day
  - (C) 35 Litres per head per day
  - (D) 45 Litres per head per day
  - (E) Answer not known
- 148. Average Domestic water consumption for flushing of Latrines in toilets as per IS: 1172-1171 is
  - (A) 30 litres / day / person
  - (B) 40 litres / day / person
  - (C) 20 litres / day / person
  - (D) 10 litres / day / person
  - (E) Answer not known

149.	The	Ional value for the colour blue is		
	(A)	3	(B)	7
	(C)	.5	(D)	4.5
	(E)	Answer not known		
150.		part of the elevation of a building daries is called	g hav	ing a plane surface with symmetrical
	(A)	PANE	(B)	PROLOGUE
	(C)	GROTTO	(D)	ORIEL
	(E)	Answer not known		
151.	Find	the odd one out		
	(A)	Menhir	(B)	Column of Marcus Aurelius
	(C)	Obelisk	(D)	Caryatid porch
	(E)	Answer not known		
152.	Fate	hpur Sikri, India is an example for -		organization.
	(A)	Radial		
	(B)	Semi circular		
	(C)V	Clustered		
	(D)	Linear		
	(E)	Answer not known		
5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	, i			
153.	In ar	chitecture, the golden ratio respond	s to	
	(A)	1: 1.618		
	(B)	1: 1.912		
	(C)	1: 2		
	(D)	1: 1.542		
	(E)	Answer not known		

154.	The	"Spear headed" fringe was used in the Islamic style.	in t	he intrados of the pointed arch in th
	(A)	Alai Darwaza		
	(B)	Jami Masjid, Ahmedabad		
	(C)	Tomb of Mubarak Shah Sayyid		
	(D)	Tin Darwaza		
	(E)	Answer not known		
155.	The a	arch used primarily in the Islamic	archit	ecture of India is the
	(A)	Horse shoe arch	(B)	Corbelled arch
	(C)	4 - Centred arch	(D)	2 - Centred arch
	(E)	Answer not known		
156.	The -	——— window is a Characterist	ic feat	ture of an Orissan Indo-Aryan temple.
	(A)	Oriel	(B)	Bay
	(C)	Arched	(D)	Mullioned
	(E)	Answer not known		
157.	A ser	ries of monolithic temples called "I——— during the Pallava period.	Ratha	s" at Mahabalipuram widely known as
	(A <b>)</b>	Seven Pagodas	(B)	Black Pagoda
	(C)	Arjuna's Penance	(D)	Shore Temple
	(E)	Answer not known		
158.	The S	hikara of the Indo-Aryan temple is	crow	ned by the at its summit.
	(A)	Bada	(B)	Cupola
	(C)	Amla	(D)	Kalasa
	(E)	Answer not known		

109.	The ]	phenomenon of passivation and sen-hearing is associated with				
	(A)	TMT steels				
	(B)	High strength Low Alloys (HSLA) steels				
	(C)	Steel				
	(D <b>)</b>	Stainless steel				
	(E)	Answer not known				
160.	Thes	se consist of small flat iron rivetted to the column components in a zigzag				
	(A)	Single Lacing (B) Batten plates				
	(C)	Double lacing (D) Z type lacing				
	(E)	Answer not known				
161.	The unit density of structural light weight concrete is					
	(A)	$1440 \mathrm{Kg/m^3} - 1840 \mathrm{Kg/m^3}$ (B) $1900 \mathrm{Kg/m^3} - 2240 \mathrm{Kg/m^3}$				
	(C)	$2240 \mathrm{Kg/m^3} - 2400 \mathrm{Kg/m^3}$ (D) $800 \mathrm{Kg/m^3} - 1000 \mathrm{Kg/m^3}$				
	(E)	Answer not known				
162.	The proportion of concrete mix 1:4:8 or 1:5:10 or 1:6:12 is used in					
	(A)	(A) Mass concrete works of heavy walls, foundation footings, etc.				
	(B)	(B) Heavily loaded R.C.C. columns, footing arches of long span, etc.				
	(C)					
	(D)	For all general works in buildings like beam, column, stairs, slab, etc.				
· )	(E)	Answer not known				
163.	M15	grade of concrete approximates				
	(A)	1:1:2 mix (B) 1:2:4 mix				
	(C)	1:3:6 mix (D) 1:5:3 mix				
	(E)	Answer not known				
	` '					

- 164. This phenomenon refers to urban growth along transportation routes in linear form on both sides of road, taking advantage of accessibility, flow of goods and services
  - (A) Urban sprawl
  - (B) Urban agglomeration
  - (C) Urban decay
  - (D) Leapfrog development
  - (E) Answer not known
- 165. Development of vacant or under utilized land within areas that are largely developed is
  - (A) Inter development
  - (B) Mediate development
  - (C) Out Spring development
  - (D) Infill development
  - (E) Answer not known
- 166. What is the usual percentage of zoning allotted for Recreational zones in a town? As per URDPFI
  - (A) 40% 50%

(B) 15% - 20%

(C) 30% - 40%

(D) 5% - 10%

- (E) Answer not known
- 167. The minimum built up area requirement for IT/ITES SEZs for Chennai city is
  - (A) 50,000 sq.m
  - (B) 1,00,000 sq.m
  - (C) 2,00,000 sq.m
  - (D) 10,00,000 sq.m
  - (E) Answer not known

168.	The planning of Mughal gardens were based on the concept of								
	(A)	Char bagh							
	(B)	Kineaesthetics							
	(C)	Human analogy							
	(D)	Spirituality							
* * *	(E)	Answer not known	•						
169.	A ———— landscape is any portion of land surfaces that has been drastically								
		red and is not attractive or pr	roductive.						
	(A)	Undisturbed	(B)	Pristine					
	(C)	Disturbed	(D)	Historic					
	(E)	Answer not known							
170.	The	climate at the site scale is ca	lled as ——	climate					
	(A)	Macro	(B)	Meso					
	(O)	Micro	(D)	Торо					
	(E)	Answer not known							
171.	The most familiar methods of managing storm water run-off are ———— which are usually "dry" basins that fill with water only during a rain.								
	(A)	Detention basin	(B)	Discharge basin					
	(C)	Drainage basin	(D)	Cesspool					
	(E)	Answer not known							
172.	The main principle of surveying is to work from								
	(A)	Part to the whole							
	(B)	Whole to the part							
	(C)	Higher to lower level							
	(D)	Lower to higher level							
	(E)	Answer not known							

- 173. In Generalist organisation structure the staff authority is represented by
  - (A) Horizontal line
  - (B) Vertical line
  - (C) Diagonal lines
  - (D) Circular closed lines
  - (E) Answer not known
- 174. The shortest possible time in which an activity can be achieved under ideal circumstances is known as
  - (A) Pessimistic time estimate
  - (B) Optimistic time estimate
  - (C) Expected time estimate
  - (D) The most likely time estimate
  - (E) Answer not known
- 175. A technique that allows you to identify tasks that are necessary for project completion is known as
  - (A) PERT
  - (B) Critical path method
  - (C) Positive slack method
  - (D) Total float method
  - (E) Answer not known
- 176. The complete process of CPM can be summarised by the following sequence
  - (A) Describe → Determine → Predict → Analyse → Replan → Allocate → Develop
  - (B) Describe → Predict → Analyse → Determine → Replan → Allocate → Develop
  - (C) Describe  $\rightarrow$  Determine  $\rightarrow$  Predict  $\rightarrow$  Allocate  $\rightarrow$  Analyse  $\rightarrow$  Replan  $\rightarrow$  Develop
  - (D) Describe  $\rightarrow$  Predict  $\rightarrow$  Analyse  $\rightarrow$  Allocate  $\rightarrow$  Determine  $\rightarrow$  Replan  $\rightarrow$  Develop
  - (E) Answer not known

03

	(A)	Words	(B)	Help					
	(C)	Ortho toggle	(D)	Tablet					
	(E)	Answer not known							
178.	For i	n-house projects the type of estim	ate c	an vary over the life cycle of a project					
110.	For in-house projects, the type of estimate can vary over the life cycle of a project Identify the stage which is NOT part of the process.								
	(A)	Development stage	(B)	Conceptual stage					
	(C)	Main stage	(D)	Termination stage					
	(E)	Answer not known							
179.	The	estimate which provides itemwise	guant	tities of work, item wise unit rates and					
	The estimate which provides itemwise quantities of work, item wise unit rates and item wise expenditure in the construction project is								
	(A)	item rate estimate							
	(B)	detailed estimate							
	(C)	qualitative estimate							
	(D)	quantitative estimate							
	(E)	Answer not known							
180.	The unit of measurement for white washing 2 coats is								
	(A)	Cu.m	(B)	$\dot{\mathbf{m}}$					
	(CN	$ m m^2$	(D)	$m^3$					
	(E)	Answer not known							
181.	Minimum crushing strength of Bricks used in 1st class brick work shall be								
	(A)	105 kg/cm ²							
	(B)	250 kg/cm ²							
	(C)	150 kg/cm ²							
	(D)	78.5 kg/cm ²							
	(E)	Answer not known							

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177.

ARPA/2022

The function key shortcut F8 denote

182.	Which of the following statement/s is / are True?  I. Radiation received by a surface is fully reflected.									
	II.									
	(A)	I is false; II is true	(B)	Both I and II are false						
	(C)	Both I and II are true	(D)	I is true; II is false						
	(E)	Answer not known								
183.	The	passive design strategy that is not	effecti	ve for composite climate						
	(A) Time-lag more than 8 hours									
	(B)	Courtyard type planning								
	(C)	Massive walls with large shutter	red ope	nings in ground floor						
	(D)	Light weight walls with large ope	enings	in the ground floor						
	(E)	Answer not known								
184.	A glazed sun-oriented surface with a dark massive heat - storing wall behind is known as									
	(A)	Curtain walls	(B)	Lean - to walls						
	(C)	Trombe - wall - systems	(D)	Earth - channels system						
	(E)	Answer not known								
185.	Evap	porative cooling works best in which	h of the	e following climates?						
	(A)	Hot-Dry	(B)	Warm humid						
	(C)	Humid'	(D)	Temperate						
	(E)	Answer not known								
					•					
186.	Heat transfer through a building happens through the following ways									
	(A) Conduction, convection and radiation									
	(B) Conduction and Radiation only									
	(C) Conduction and evaporation									
	(D) Conduction, Convection and transmission									

Answer not known

(E)

OS

187.	The size of the group for Focussed group discussion as per URDPFI guidelines							
	(A)	5-6	(B) 8-10					
	(C)	10-12	(D)	12-14				
	(E)	Answer not known						
188.	According to norms for educational facilities of URDPFI guidelines, A primary school of 500 students strength should be provided for a population of							
	(A)	2500 people						
	(B)	5000 people						
	(C)	7500 people						
	(D)	10,000 people						
	(E)	Answer not known						
189.	The attributes of identity and structure of the mental image defines							
7.4	(A)	Imageability						
	(B)	Vitality						
	(C)	Permeability						
	(D)	Legibility						
	(E)	Answer not known						
			1					
190.	The "Ancient Monuments Preservation Act" was passed in							
	(A)	1901	(B)	1905				
	(CN	1904	(D)	1906				
	(E)	Answer not known						
191.	Where there is a mixture of static possession and possession in movement, we find, the formation of slower activities.							
	(A)	Enclaves	(B)	Advantage				
	(C)	Viscosity	(D)	Enclosure				
	(E)	Answer not known						

192.		ry Interior courtyard shall be raised and level and shall be satisfactorily	— above the determining						
	(A)	100 mm	(B)	150 mm					
	(C)	200 mm	(D)	250 mm					
	(E)	Answer not known	(D)	200 mm					
193.		evetame are used as	fire	protection exet	ma whom the nining is				
100.	systems are used as fire protection systems where the piping is subject to freezing.								
	(A)	Class I pipe	(B)	Class II pipe					
	(C)	Dry pipe	(D)	Stand pipe					
	(E)	Answer not known							
194.	This is not related to vertical movement systems.								
	(A)	Wall							
	(B)	Staircase							
	(C)	Ramp							
	(D)	Elevator							
	(E)	Answer not known							
195.	The shaft for travel of one or more elevator is called								
	(A)	Hoist way	(B)	Bumper					
	(C)	Porticellus	(D)	Carriage way					
	(E)	Answer not known							
106	Whom	en aculd a dauble dock lift avertage of	19						
196.	Where could a double-deck lift system apply?  (A) Combined goods and passenger lift cars								
*** 	(B) Commercial buildings of around 20 stories								
	(C) High speed long-travel lifts								
	(D)	Low-speed short-travel lifts	,						
	(E)	Answer not known							

197.	The Wedge-sloped or tapered units of bricks, stones forming the courses of an arch is called a							
	(A)	Crow	/ <b>n</b>			(B)	Skew-back	
	(C)	Vous	soir			(D)	Intrados	
	(E)	Ansv	ver not	known				
198.	In n	In normal field of vision, the cone of vision is						
	(A) 90°			(B)	60°			
	(C)	45°				(D)	30°	
	(E)		ver not	known				
	(-)							
199.	Gro	up B Group Prairi	A e style		1.	Group B Falling water	ers	amples of building ir
	(b) (c)	Organic architecture Classically romantic style		2. 3.	Dacca assen Unite 'd' hal			
	(d)	Modu	lor		4.	Robie House	e	
		(a)	(b)	(c)	(d)			
	(A) (B)	3	1 1	4 2	2 3			
	(C)	4	3	2	1			
	(D)	2	3	4	1			
	(E) Answer not known							
						• • •		
200.	Vau	Vaults with six cells is called as						
	(A)	Groin	n Vault					
	(B)	Sexp	artite V	ault				
	(C)	Sixpa	artite V	ault				
	(D)	Six V	ault					
# # / L	(E)	Anon	zor not	len oven				

## SPACE FOR ROUGH WORK

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#### SPACE FOR ROUGH WORK

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### SPACE FOR ROUGH WORK

