1.	Wha	What is the first step in conservation process?					
	(A)	Structural retrofitting					
	(B)	Demolition					
	(C)	Listing and documenting heritage structures					
	(D)	Marketing for tourism					
	(E)	Answer not known					
2.		npact, discernible settlen ry small commercial ent	nent of 25 to 60 separate structures erprises is called	with			
	(A)	Hamlets	(B) Villages				
	(C)	Centers	(D) Smallets				
	(E)	Answer not known					
3.	in it	———— means and includes maintaining the fabric of a place in its existing state and retarding deterioration.					
	(A)	Preservation	(B) Restoration				
	(C)	Redevelopment	(D) Revitalization				
	(E)	Answer not known					
4.		minimum extent of elopment as per TNCDB	plot for EWS category in a la R shall be	yout			
	(A)	45 sqmts	(B) 32 sqmts				
	(C)	60 sqmts	(D) 50 sqmts				
	(E)	Answer not known					

5.	In (as:	Chandigarh city, the common	dimension of sector were planned				
	(A)	$200 \text{ m} \times 400 \text{ m}$	(B) $400 \text{ m} \times 800 \text{ m}$				
	(C)	$800 \text{ m} \times 1200 \text{ m}$	(D) $800 \text{ m} \times 800 \text{ m}$				
	(E)	Answer not known					
6.	HU	DCO means					
	(A)	(A) Housing and Urban Development Corporation					
	(B)	Housing and United Development Corporation					
	(C)	Housing and Urban Design Corporation					
	(D)	Housing and United Design Corporation					
	(E)	Answer not known					
7.	_	A space which act as a back yard space which also act as a buffer from other houses or from another public space					
	(A)	Private but open area	(B) Absolutely private				
	(C)	Semi-public	(D) Public				
	(E)	Answer not known					
8.		angement, size and design ding is termed as	of windows and openings in a				
	(A)	Facade	(B) Building profile				
	(C)	Massing and proportion	(D) Fenestration				
	(E)	Answer not known					

9.		objective on which BMTPC (Bunotion Council) does not work o	ailding Materials and Technology n is:			
	(A)	(A) Materials and construction technologies				
	(B)	•				
	(C)	, , , , , , , , , , , , , , , , , , , ,				
	(D)	Marketing and sales of mass h	nousing units			
	(E)	Answer not known				
10.	According to Kevin Lynch, ————————————————————————————————————					
	(A)	Statues	(B) Landmarks			
	(C)	Intersections	(D) Nodes			
	(E)	Answer not known				
11.	The	'Piazza San Marco' in Venice is	an example of			
	(A)	Landmark	(B) Path			
	(C)	Edge	(D) Node			
	(E)	Answer not known				
12.	build plaza	ders who provided plazas in th	een giving incentive bonuses to nat order for each square foot of square feet of commercial			
	(A)	7	(B) 12			
	(C)	8	(D) 10			
	(E)	Answer not known				

13.	According to Jane Jacobs the planners have been trained a disciplined in ———————————————————————————————————				
	(A)	Deductive	(B) Inductive		
	(C)	Divergent	(D) Convergent		
	(E)	Answer not known			
14.	San	Tempietto in Rome was design	ed by		
	(A)	Rossetti	(B) Bernini		
	(C)	Bramante	(D) Leonardo da Vinci		
	(E)	Answer not known			
15.	Had	rian's country villa is ————	—— from Rome.		
	(A)	12 miles	(B) 15 miles		
	(C)	10 miles	(D) 16 miles		
	(E)	Answer not known			
16.		power transmitted through a due to friction is equal to	pipe is maximum, when the head		
	(A)	One-half of the supply head			
	(B)	One-third of the supply head			
	(C)	One-fourth of the supply head	d		
	(D)	Two-third of the supply head			
	(E)	Answer not known			

17.	If you dispose solid waste by controlled tipping method, at the end of about 12 months period, the decomposition is complete, due to which the tip settles down to a height of						
	(A)	10 cm	(B)	15 cm			
	(C)	30 cm	(D)	5 cm			
	(E)	Answer not known					
18.		The design technique, adopted in design of large water supply networks, as an aid to simplify and separate the smaller loops is					
	(A)	Hardy cross method	(B)	Equivalent pipe method			
	(C)	Circle method	(D)	Analyser method			
	(E)	Answer not known					
19.	For one tonne unit of production of fertilizer the required water quantity in kilolitres per unit is						
	(A)	4	(B)	40			
	(C)	122-170	(D)	80-200			
	(E)	Answer not known					
20.	Arra	ange the following mechanical c	omp	osting in chronological order			
	(i)	Reception of refuse					
	(ii)	Shredding					
	(iii)	Segregation					
	(iv)	Stabilisation					
	(v)	Marketing the humus					
	(A)	(i), (ii), (v), (iv), (iii)	(B)	(i), (iv), (iii), (ii), (v)			
	(C)	(i), (iii), (ii), (iv), (v)	(D)	(i), (iii), (iv), (ii), (v)			
	(E)	Answer not known					
		7	38	2-Town and Country Planning			

21. In the design of construction of sewer (Flexible Conduit) in embankment construction with positive projection and in well compacted side fill, the recommended value of settlement ratio  $(r_{sd})$  is

(A) 0 to 0.4

(B) 0 to 0.3

(C) 0

(D) 0.5 to 0.8

- (E) Answer not known
- 22. The permissible turbidity of domestic water may be between

(A) 5 to 10 ppm

(B) 10 to 20 ppm

(C) 30 to 40 ppm

(D) 40 to 50 ppm

- (E) Answer not known
- 23. In estimation of runoff by rational method the value of 'C' for Rocky and impermeable type of catchment is

(A) 0.6 - 0.8

(B) 0.8 - 1.0

(C) 1.0 - 1.2

(D) 1.2 - 1.4

- (E) Answer not known
- 24. The hydrological cycle
  - (A) Has beginning but does not end
  - (B) Has both beginning and end
  - (C) Occurrence of water and formation of snow
  - (D) Occurs continuously in nature
  - (E) Answer not known

- 25. Loss of energy due to hydraulic jump is expressed as
  - (A)  $(Y_2 Y_1)^2 / 4Y_1 \cdot Y_2$
- (B)  $(Y_2 Y_1)^3 / 4Y_1 \cdot Y_2$
- (C)  $(Y_1 Y_2)^2 / 4Y_1 \cdot Y_2$  (D)  $(Y_1 Y_2) / 4Y_1 \cdot Y_2$
- (E) Answer not known
- 26. Regarding criminals and juvenile delinquents normally —— along is considered the sole basis of making distinction between the two classes.
  - (A) Kinds of criminal activities
- (B) Objective of activities

Difference of age (C)

- (D) Mode of working
- (E) Answer not known
- 27. According to Mumford if Megalapolis subjected to extensive deterioration of socio-economic structure, urban governance and municipal services leading to chaos is called as
  - (A) Necropolis

(B) Eopolis

Neopolis (C)

- (D) Tyrannopolis
- (E) Answer not known
- 28. The multiple nuclei theory was developed by
  - (A) Catanese

- (B) Burgess
- (C) Ullman and Harris
- (D) Doxiadis
- (E) Answer not known

29.	Mili	mples such as railway colony, tary Camps, which have come statutory limits but within the	up n	ear a statutory town outside
	(A)	Outgrowth	(B)	Extended areas
	(C)	Statutory town	(D)	Cantonment
	(E)	Answer not known		
30.		lasticity of demand, changes in anded. In this scenario the law		
	(A)	Direction of change	(B)	Quantum of change
	(C)	Quantity of change	(D)	Quality of change
	(E)	Answer not known		
31.		is the process by whi labour, a belief, representati an element of market exchange	on, o	_
	(A)	Commodification	(B)	Growth coalitions
	(C)	Globalization	(D)	Development
	(E)	Answer not known		

32.	urba	Activity centre used in urban planning and design for a mixed use urban area where there is a concentration of commercial and other land uses. This CBD are also known as				
	(i)	Central Activities District				
	(ii)	Central Activities Zone				
	(iii)	Core Activities District				
	(iv)	Central Activities Group				
	(A)	(i) and (iii)	(B) (i) and (ii)			
	(C)	(iii)	(D) (iii) and (iv)			
	(E)	Answer not known				
33.		and use plan preparation otes industry buildings?	practiced in India, which colour			
	(A)	Blue	(B) Yellow			
	(C)	Violet	(D) Red			
	(E)	Answer not known				
34.	Which one of the following is NOT the part of the definition of a town as per census of India?					
	(A)	A minimum population of 50	000			
	(B)	Population density 400 pers	ons per sq.km			
	(C)	More than 75% of the popul	ation engaged in primary sector			
	(D)	Presence of municipality, co	rporation etc.,			
	(E)	Answer not known				

35.	As per the census of India 2011, what was the percentage of people in the state of Tamil Nadu living in urban areas?				
	(A)	51.51	(B) 48.45		
	(C)	30.21	(D) 24.89		
	(E)	Answer not known	(D) 21.00		
	(11)	THIS WEI HOU KHOWII			
36.	as "		Regulation Act defines ————————————————————————————————————		
	(A)	Estimated cost of the Real Es	tate project		
	(B)	Completion cost			
	(C)	Finishing cost			
	(D)	Evaluated cost of the Real Es	tate project		
	(E)	Answer not known			
37.	Act, and with	2016 any refund of moneys a compensation, if any, payable	ate/Regulation and Development, long with the applicable interest by the promoter, to the allottee he date on which such refund		
	(A)	75	(B) 180		
	(C)	90	(D) 45		
	(E)	Answer not known			
38.		<del>-</del>	ent housing unit with separate aitary requirements and may be a		
	(A)	Dwelling unit	(B) Farm house		
	(C)	Habitable room	(D) Hut		
	(E)	Answer not known	• •		
382-7	, ,	and Country Planning 12			

39.	certain size may be converted into building lots.					
	(A)	Sub division regulation	(B) Pro	operty tax		
	(C)	Infrastructure	(D) Soc	cial infrastructure		
	(E)	Answer not known				
40.	mea as a	per Rehabilitation and Rese ans an area where the affected a result of land acquisition a ernment.	families	who have been displaced		
	(A)	Resettlement area	(B) Sch	neduled areas		
	(C)	Secluded areas	(D) Red	developed areas		
	(E)	Answer not known				
41.	Lan case can	ording to the right to fair control of Acquisition, Rehabilitation of of urgency as per the direction take possession of any land not iration of ——————————————————————————————————	and Res	settlement Act, 2013, in government the collected a public purpose on the		
	(A)	45	(B) 60			
	(C)	75	(D) 30			
	(E)	Answer not known				
42.	CID	OCO is a limited company wholl	control	led by the		
	(A)	Govt of Maharashtra	(B) Go	vt of Karnataka		
	(C)	Govt of Andhra Pradesh	(D) Go	vt of Tamil Nadu		
	(E)	Answer not known				

13

43.	According to 74 <sup>th</sup> CAA, the contribution of ward committee's, consisting of one or more wards, within the territorial area of a municipality having a population of					
	(A)	1 lakh or more	(B) 2 lakh or more			
	(C)	3 lakh or more	(D) 5 lakh or more			
	(E)	Answer not known				
44.	The municipalities in pre-1992 era did not have the constitutional status and the ———————————————————————————————————					
	(A)	District collectors	(B) State government			
	(C)	Central government	(D) ITPI			
	(E)	Answer not known				
45.	Net	density is defined as the				
	(A)	Average density of populations residential zone	on per unit area of the whole			
	(B)	Average density of population per unit area				
	(C)	Average density of population per unit of the housing area include local roads only, and excluding open spaces, public institution etc				
	(D)	Average density of population	per unit of the commercial area			
	(E)	Answer not known				
46.	No f		e with the aggregate/cement ratio			
	(A)	6:1 to 10:1	(B) 5:2 to 8:2			
	(C)	4:1 to 9:1	(D) 3:1 to 10:1			
	(E)	Answer not known				

47.	The roller, which leads to higher void content in the clayey soils are						
	(A)	Pneumatic tyred roller	(B)	Vibratory compactors			
	(C)	Smooth wheeler roller	(D)	Sheep's foot roller			
	(E)	Answer not known					
48.	Use	of right quality fly ash in ceme	nt re	esults in			
	(A)	(A) Increase of water demand for desized slump					
	(B)	Bleeding of concrete will be in	crea	sed			
	(C)	C) Reduction in temperature					
	(D)	Increase in temperature					
	(E)	Answer not known					
49.	The compressive strength of 100 mm cube as compared to 150 mm cube is always						
	(A)	Less	(B)	More			
	(C)	Equal	(D)	Zero			
	(E)	Answer not known					
50.		scaffolding to be provided in th traffic on road is called	e bu	sy street without obstructing			
	(A)	Double scaffolding	(B)	Ladder scaffolding			
	(C)	Suspended scaffolding	(D)	Cantilever scaffolding			
	(E)	Answer not known					

51.	Spir	al stairs diameter and he	eight for fir	e Resistant building are			
	(A)	Not less than 1.5 m and	l not exceed	ding 9 m			
	(B)	Not less than 1.0 m and	l not exceed	ding 9 m			
	(C)	Not less than 1.0 m and not exceeding 6 m					
	(D)	Not less than 1.5 m and not exceeding 6 m					
	(E)	Answer not known					
52.	Lim	e mortar is generally ma	de with				
	(A)	Quick lime	(B)	Fat lime			
	(C)	Hydraulic lime	(D)	White lime			
	(E)	Answer not known					
<b>5</b> 3.	A rough estimate of the quantity (A) of dynamite required in grams for blasting rocks is given by						
	Where A = quantity of gunpowder in gms						
		L = length of line of least resistance in m					
	(A)	$L^2/500$	(B)	$L^{2/3}/340$			
	(C)	$L^2/0.008$	(D)	$L^{1/3}/0.008$			
	(E)	Answer not known	, ,				
54.		vertical sides of the opers, windows, fire-places, e	_	h are left in walls to receive wn as			
	(A)	Jambs	(B)	Piers			
	(C)	Thresholds	(D)	Wall plates			
	(E)	Answer not known					

55.	Rupture failure along a vertical joint under vertical loads can be avoided by								
	(A)	Providing Adequate dimension							
	(B)	Providing strong mortar							
	(C)	(C) Breaking / staggering the vertical joints							
	(D)	D) Avoiding the use of Bats							
	(E)	(E) Answer not known							
56.	unce	is a line which repre	sents the nearest limits of future relation to a road.						
	(A)	Control line	(B) Carriage line						
	(C)	Motor line	(D) Median line						
	(E)	Answer not known							
57.	In a highway design the psychological trait of collectively known as PIEV is considered as important factor.								
	(A)	Perception, intellection, en	notion and volition						
	(B)	(B) Perception, intellectual, emotion and volatileness							
	(C)	C) Pedestrians, intellection, movement and volition							
	(D)	(D) Pedestrians, intellectual, emotion and volatileness							
	(E)	Answer not known							
58.		time interval between the essive vehicles is termed as	passing of the reference line by 2						
	(A)	Gap	(B) Lap						
	(C)	Acceptance	(D) Cordon						
	(E)	Answer not known							

	(1)	Inventory of streets		
	(2)	Traffic volume		
	(3)	Inventory of Land use		
	(4)	Inventory of Economic Activit	У	
	(A)	(1), (2)	(B)	(1), (3), (4)
	(C)	(1), (2), (3), (4)	(D)	(1), (2), (3)
	(E)	Answer not known		
60.	In A	rterial Road, the minimum roa	dwag	y interaction spacing is
	(A)	500 m	(B)	300 m
	(C)	1 Km	(D)	800 m
	(E)	Answer not known		
61.	_	peed journey, time and delay su wn as	ırvey	vs the device Enoscope is also
	(A)	Mirror Box	(B)	Contact tube
	(C)	Pressure Box	(D)	Mirror tube
	(E)	Answer not known		
62.	TOF	CC (Trailer-on-flatcar) system is	s an e	example of
	(A)	Para transit system		
	(B)	Rapid transit system		
	(C)	Multi modal transport system	1	
	(D)	Pooling system		
	(E)	Answer not known		

18

382-Town and Country Planning

The transport inventory facility consists of the following:

59.

63.	_	As per the multimodal transport systems is a system where in the trucks are carried on ships over long distances.						
	(A)	Roll-On-Roll-Off (RORO)	(B) Pi	ggy back system				
	(C)	TOFC system	(D) Ro	oad Trailer				
	(E)	Answer not known						
64.		he context of modes of transpo refers to	rting pe	eople in cities and Towns;				
	(A)	International Public Transpor	rt					
	(B)	Indian Public Transport						
	(C)	Integrated Public Transport						
	(D)	Intermediate Public Transpor	rt					
	(E)	Answer not known						
65.		ransportation planning which generation and attraction	are the	following factors governs				
	(i)	Income						
	(ii)	Family size and composition						
	(iii)	Social status and age						
	(iv)	Land use characteristics						
	(A)	(i), (ii) and (iv)	(B) (i)	, (ii) and (iii)				
	(C)	(i), (ii), (iii) and (iv)	(D) (ii	), (iii) and (iv)				
	(E)	Answer not known	, ,					

66.		· ·	with special reference to the the town to be planned is called
	(A)	Civic Survey	(B) Regional Survey
	(C)	National Survey	(D) Preliminary Survey
	(E)	Answer not known	
67.	Cour		ary to any one of the planning
	(A)	National planning	(B) Regional planning
	(C)	Town planning	(D) International planning
	(E)	Answer not known	
68.		ch one of the following GPS spheric error?	receiver can accommodate the
	(A)	Single frequency receiver	(B) Dual frequency receiver
	(C)	Codeless receiver	(D) Carrier wave receiver
	(E)	Answer not known	
69.	Instr		dulated light waves in EDM is
	(A)	Tellurometer	(B) Geodimeter
	(C)	Distomats	(D) Osscilator
	(E)	Answer not known	

- 70. When the image formed by the objective is not in the plane of the cross hairs and the accurate sight is impossible, the adjustment is done in the instrument by?
  - (A) doing properly centering of the instrument
  - (B) adjusting footscrews to keep the instrument in levelling
  - (C) focussing the eye-piece and the objective
  - (D) transitting the telescope
  - (E) Answer not known
- 71. In a stadia tacheometer, If ' $\theta$ ' is the inclination of the line of sight with horizontal, 's' is the staff intercept and  $K_1$ ,  $K_2$  are instrumental constants, then the horizontal distance 'D' between the instrument and the staff is given by
  - (A)  $K_1 s \cos \theta + K_2 \cos^2 \theta$
- (B)  $K_1 s \cos \theta K_2 \cos^2 \theta$
- (C)  $K_1 s \cos^2 \theta + K_2 \cos \theta$
- (D)  $K_1 s \cos^2 \theta K_2 \cos \theta$
- (E) Answer not known
- 72. Brick work in Cement Mortar in super structure per person/day is
  - (A)  $1.30 \text{ m}^3$

(B) 2.50 m<sup>3</sup>

(C)  $3.00 \text{ m}^3$ 

- (D)  $3.30 \text{ m}^3$
- (E) Answer not known

73.	The estimate prepared when additional works are required or when further development is required during the progress of work is called as					
	(A)	Revised estimate				
	(B)	Supplementary estimate				
	(C)	Repair or Maintenance estima	ate			
	(D)	Item rate estimate				
	(E)	Answer not known				
74.		difference between the maxim its estimated duration is called	num time allowed for an activity			
	(A)	Dummy activity	(B) Restraint			
	(C)	Total Float	(D) Free Float			
	(E)	Answer not known				
75.		TABLISH' in steps of project powing as	olanning refers to anyone of the			
	(A)	on a plan				
	(B)	forecast and means of achievi	ng goals			
	(C)	the objectives of the project in	definite words			
	(D)	goal and stages intermediate	to attain the final target			
	(E)	Answer not known				
76.	Nec	tographs and anaglyphs are sin	nilar in the principle of			
	(A)	Angular superposition	(B) Offset superposition			
	(C)	Oblique superposition	(D) Vertical superposition			
	(E)	Answer not known				

77.		The device used to fix the exact % of forward lap between successive arrival pictures is called						
	(A)	Intervalometer	(B)	Vector graph				
	(C)	Stereoscope	, ,	Anaglyph				
	(E)	Answer not known	` '					
78.		axis of the photograph is purp vertical in an oblique type of ac						
	(A)	3° and 90°	(B)	$3^{\circ}$ and $160^{\circ}$				
	(C)	3° and 180°	(D)	$4^{\circ}$ and $180^{\circ}$				
	(E)		` /					
79.	S1 -	in land suitability classification	n sta	nds for				
	(A)	minimally suitable	(B)	moderately suitable				
	(C)	•	` ,	highly suitable				
	(E)	Answer not known	` /					
80.	and	arc-nook data base structure av lines may be recorded and th tial objects.						
	(A)	Overlapping	(B)	Missing attribute				
	(C)	Inappropriate attribute	(D)	Mislocated entities				
	(E)	Answer not known						
81.	Sha	dows that facilitate interpretat	cion o	f 3 dimensions are usually				
	(A)	long and medium	(B)	long and oblique				
	(C)	long and angular	, ,	long and dark				
	(E)	Answer not known	(- )	3 ·· · · · · · ·				

82.	The I	Landsat Thematic Mapper has		grey level.
	(A)	265	(B)	256
	(C)	526	(D)	562
	(E)	Answer not known		
83.	The s	spectral sensitivity of false colo	ur ir	nfra-red ranges from
	(A)	0.1 to 0.5 micrometer	(B)	1 to 5 micrometer
	(C)	0.4 to 0.9 micrometer	(D)	4 to 9 micrometer
	(E)	Answer not known		
84.	GIS -	- stands for		
	(A)	Geographical Information Sys	tem	
	(B)	Geo-spatial Information Syste	m	
	(C)	Geological Information System	1	
	(D)	Geometrical Information Systematical Systematical Systematical Information Systematical Systemat	em	
	(E)	Answer not known		
85.	In re	mote sensed data, LULC mean	$\mathbf{s}$	
	(A)	Land Use Land Cover		
	(B)	Land Use Land Connectivity		
	(C)	Land Use Land Compatibility		
	(D)	Land Use Land Control		
	(E)	Answer not known		

86.	GPS	can be used to collect the follow	wing	g data
	(A)	Terrain data	(B)	Demographic data
	(C)	Occupation structure	(D)	Migration pattern
	(E)	Answer not known		
87.		region of the spectrum compon wave length between i		
	(A)	1 mm and 1 m	(B)	1 m and 1 Km
	(C)	1 mm and 1 cm	(D)	1 cm and 1 m
	(E)	Answer not known		
88.	LiD	AR refers to		
	(A)	Land Detection and Ranging		
	(B)	Level Detection and Ranging		
	(C)	Laser Detection and Ranging		
	(D)	Light Detection and Ranging		
	(E)	Answer not known		
89.		ch one of the following data for model?	mats	s is 'NOT' based on the rastor
	(A)	tiff	(B)	jpeg
	(C)	xls	(D)	bmp
	(E)	Answer not known		

- 90. IRS missions use the following orbits
  - (A) Sun synchronous orbit
  - (B) Geo synchronous orbit
  - (C) Stationary orbit
  - (D) Sun and Geo synchronous orbit
  - (E) Answer not known
- 91. Radius of relative stiffness 'l' is \_\_\_\_\_\_. When modulus of elasticity of cement concrete 'E', Poisson's ratio of concrete ' $\mu$ ', slab thickness 'h' and Modulus of subgrade reaction 'K'.

(A) 
$$\left[\frac{Eh^4}{12K(1-\mu^2)}\right]^{\frac{2}{3}}$$

(B) 
$$\left[\frac{Eh^2}{12K(1-\mu^2)}\right]^{\frac{4}{3}}$$

(C) 
$$\left[\frac{8Eh^3}{12K(1-\mu^2)}\right]^{\frac{1}{2}}$$

(D) 
$$\left[\frac{Eh^3}{12K(1-\mu^2)}\right]^{\frac{1}{4}}$$

- (E) Answer not known
- 92. Which of the following culverts are used where, the nature of the soil below the foundation is not suitable for individual footings under piers and abutments?
  - (A) Pipe culverts

(B) Box culverts

(C) Slab culverts

- (D) Arch culverts
- (E) Answer not known

93. Coefficient of volume compressibility  $(m_v)$ , expressed as Where,

 $a_v$  = Co-efficient of compressibility

 $e_o$  = Void ratio of the soil before compression

 $s_r$  = Degree of saturation

n =Porosity of soil

(A)  $m_v = \frac{a_v}{1+s_r}$ 

(B)  $m_v = \frac{a_v}{1 + e_o}$ 

(C)  $m_v = \frac{a_v}{2+n}$ 

- (D)  $m_v = \frac{a_v}{3 + e_o}$
- (E) Answer not known
- 94. Which of the following is also known as the Dutch Cone test?
  - (A) Dynamic Cone penetration test
  - (B) Standard Cone penetration test
  - (C) Slump Cone test
  - (D) Static Cone penetration test
  - (E) Answer not known
- 95. Air content,  $a_c$  of soil is represented by,

Where, S = Degree of saturation.

(A) 
$$a_c = 1 + S$$

(B) 
$$a_c = \frac{1}{S}$$

(C) 
$$a_c = 1 - S$$

(D) 
$$a_c = S^2 - 1$$

(E) Answer not known

96.	In corr		limit apparatus test water content v is termed as liquid limit?					
	(A)	20	(B) 25					
	(C)	30	(D) 35					
	(E)	Answer not known						
97.	The	vane shear test to be us	sed under the following conditions					
	(i)	The clay is normally co	onsolidated and sensitive					
	(ii)	The clay is highly consolidate						
	(iii)	Only the drained shear strength required						
	(iv)	Only the undrained shear strength required						
	(A)	(i) and (iii) is correct	(B) (ii) and (iii) is correct					
	(C)	(i) and (iv) is correct	(D) (ii) only correct					
	(E)	Answer not known						
98.	The shear strength of a soft saturated clay is to be determined in a borehole, at a depth of 6 m. Suggest a suitable test for the above condition?							
	(A)	Direct Shear Test						
	(B)	Triaxial Test						
	(C)	Unconfined Compressi	ion Test					
	(D)	Vane Shear Test						
	(E)	Answer not known						

- 99. The allowable maximum settlement of raft foundation is
  - (A) 20 mm

(B) 40 mm

(C) 50 mm

- (D) 30 mm
- (E) Answer not known
- 100. The ultimate bearing capacity per unit area of clays for general shear failure is given as \_\_\_\_\_

where C = cohesion value

 $\gamma$  = Density of soil

 $D_f$  = Depth of foundation

(A)  $C + 2.3 \gamma D_f$ 

(B)  $C + 5.7 \gamma D_f$ 

(C)  $5.7C + \frac{1}{2} \gamma D_f$ 

- (D)  $5.7C + \gamma D_f$
- (E) Answer not known
- 101. In which one among the following categories, of protected areas in India are local people not allowed to collect and use the biomass?
  - (A) Biosphere reserves
- (B) Wild life sanctuaries

(C) Wet lands

- (D) National parks
- (E) Answer not known

102.	2. The definition "meet the needs of the present without compromising the ability of future generations to meet their own needs" was given by								
	(A)	Unconference on environment 2022							
	(B)	Brundtland commission							
	(C)	Rio summit							
	(D)	United Nations Environmenta	al Pr	ogramme					
	(E)	Answer not known							
103.	The	Garden of Kinkaku-ji temple is	in						
	(A)	Osaka	(B)	Alaska					
	(C)	Hiroshima	` '	Kyoto					
	(E)	Answer not known							
104.	A con	nference was held at Kyoto on o	elima	ate change in the year					
	(A)	1980	(B)	1992					
	(C)	1995	` ′	1997					
	(E)	Answer not known	` '						
105.	The	Indian Forest Act is passed by	Briti	ish India in the year					
	(A)	1940	(B)	1936					
	(C)	1927		1944					
	(E)	Answer not known	` /						

106.	Whic	nich among the following is not present in a preliminary site plan?		
	(A)	location of buildings		
	(B)	location of roads and walkway	ys	
	(C)	location of parking areas		
	(D)	location and names of trees pr	roposed	
	(E)	Answer not known		
107.	The	engineer's chain is	long and composed of 100 links.	
	(A)	100 m	(B) 100 cm	
	(C)	100 feet	(D) 66 feet	
	(E)	Answer not known		
108.	In su	rveying, what is 'benchmark'?		
	(A)	A mark used for leveling refer	rences	
	(B)	A tool for drawing site diagra:		
	(C)	A type of climate record		
	(D)	A soil testing unit		
	(E)	Answer not known		
109.		egetative buffer strip along a er and provides wildlife habitat	a watercourse that filters storm is called	
	(A)	Rip rap	(B) Riparian	
	(C)	Ringlet	(D) Vegelot	
	(E)	Answer not known		

- 110. A green wall that uses a tightly intertwined grid of aluminium or light weight steel. Usually attached to the facade via brackets.
  - (A) Metal mesh green wall
- (B) Cable-supported green wall

(C) Rigid green wall

- (D) Vegetated mat wall
- (E) Answer not known
- 111. Which of the following is statically determinate structure?
  - (A) Fixed beam

(B) Continuous beam

(C) Two hinged arch

- (D) Double overhanging
- (E) Answer not known
- 112. A beam is of triangular section with base 10 mm and height 12 mm. What is the minimum section modulus?
  - (A)  $60 \text{ mm}^3$

(B)  $90 \text{ mm}^3$ 

(C)  $120 \text{ mm}^3$ 

- (D)  $150 \text{ mm}^3$
- (E) Answer not known
- 113. The equivalent bending moment (Mt) due to torsion (Tu) is given by

(A) 
$$Mt = \frac{Tu(1 + D/b)}{1.7}$$

(B) 
$$Mt = \frac{Tu(1 - D/b)}{1.7}$$

(C) 
$$Mt = Tu(1 + D/b)$$

(D) 
$$Mt = 1.5Tu(1 + \frac{D_b}{b})$$

(E) Answer not known

- 114. In the design of a cantilever retaining wall by limit state design method of value of load factor assumed as per IS code is
  - (A) 2.0

(B) 2.5

(C) 1.5

(D) 3.0

- (E) Answer not known
- 115. A concentrated load 'W' moves on the span of a three-hinged arch. The horizontal thrust at the supports is maximum when the load is at which one of the following?
  - (A) The springing
  - (B) One-sixth of the span from one end
  - (C) Quarter span
  - (D) The crown
  - (E) Answer not known
- 116. A 3 m long column is hinged at one end and fixed at the other end, what is its equivalent length?
  - (A)  $3\sqrt{2} \text{ m}$

(B) 3 m

(C)  $\frac{3}{\sqrt{2}}$  m

- (D) 1.5 m
- (E) Answer not known

- 117. As per IS 456, for the design of reinforced concrete beam, the design shear strength of concrete  $(T_c)$  depends upon
  - (i) Grade of concrete
  - (ii) Area of steel
  - (iii) Cross-sectional dimension of member
  - (A) (i) and (ii) only
  - (B) (i) and (iii) only
  - (C) (ii) and (iii) only
  - (D) (i), (ii) and (iii)
  - (E) Answer not known
- 118. In a framed connection between a beam and stanchion, the bolts connecting flange of stanchion and the angle is subjected to
  - (A) direct single shear and horizontal force
  - (B) direct double shear and horizontal force
  - (C) torsional shear only
  - (D) tension only
  - (E) Answer not known
- 119. The relationship between Young's modulus "E", Modulus of rigidity "C", bulk modulus "K"
  - (A) E = 9KC/(3K + C)
  - (B) E = 9KC/(9K + C)
  - (C) E = 3KC/(3K + C)
  - (D) E = 3KC/(9K + C)
  - (E) Answer not known

120.		internal resistance which the rnal force is called	bod	y offers to meet the load or			
	(A)	Stress	(B)	Strain			
	(C)	Pressure	(D)	None of the above			
	(E)	Answer not known					
121.		ch type of blue infrastructure n spaces that can absorb and m					
	(A)	Green Roofs	(B)	Permeable pavements			
	(C)	Bioswales	(D)	Rain gardens			
	(E)	Answer not known					
122.	plots	In low income Housing in urban areas at least of the plots may be of the size less than or upto per dwelling unit in metropolitan towns.					
	(A)	$75$ percent, $60 \text{ m}^2$	(B)	$70$ percent, $45 \text{ m}^2$			
	(C)	$80$ percent, $75 \text{ m}^2$	(D)	$75$ percent, $40$ m $^2$			
	(E)	Answer not known					
123.		squatter settlements may be p	rovi	ded with a facility of 1 Toilet			
	(A)	4 to 5 families	(B)	10 families			
	(C)	2 families	(D)	1 family			
	(E)	Answer not known					

124.		per ipano		identify	the	e cla	ıssifica	tion	of	building	based	on			
	(i)	Mer	cantile	:	(P)	Grou	ıp J								
	(ii)	Asse	embly		(Q)	Grou	ıp F								
	(iii)	Inst	itution	al	(R)	Grou	ıp D								
	(iv)	Haz	ardous	}	(S)	Grou	ıр С								
	(A)	A) (i)-(Q), (ii)-(R), (iii)-(S), (iv)-(P)													
	(B)	(i)-	(P), (ii)	)-(S), (iii)	iii)-(R), (iv)-(Q)										
	(C)	(i)-	(S), (ii)	-(R), (iii)	-(P),	(iv)-	(Q)								
	(D)	(i)-	(Q), (ii)	)-(P), (iii)	)-(R),	(iv)-	(S)								
	(E)	An	swer n	ot know	n										
125.	Timarpur Okhla Integrated Municipal Solid Waste Management Project is a PPP mode of urban infrastructure development project, which was undertaken of basis.														
	(A)	Bu	ild, Op	erate an	d Tr	ansfe	r (BOI	Γ)							
	(B) Build, Own, Operate and Transfer (BOOT)														
(C) Design, Build and Transfer (DBT)															
(D) Design, Build, Finance and Transfer (DBFT)															
	(E)	An	swer n	ot know	n										
126.	Identify the primary waste water treatment method from the following, where organic and inorganic suspended solids are removed.														
	(A)	Scr	een ch	amber			(B)	Gri	t ch	amber					
	(C)	Pri	mary s	settling t	ank		(D)	Aer	atio	n tank					
	(E)	An	swer n	ot know	n										

127.	As per the broad classification of Industrial and Non-industrial occupancies Aircraft Hangers comes under									
	(A) High hazard occupancies									
	(B) Moderate hazard occupancies									
	(C) Low hazard occupancies									
	(D) Medium hazard occupancies									
	(E)	(E) Answer not known								
128.	The indicates the loss of water penetrated into the soil and it may join some underground sources of water.									
	(A)	Evaporation	(B) Transpiration							
	(C)	Percolation	(D)	D) Surface runoff						
	(E)	Answer not known								
129.		In water supply is the best and most efficient method for small diameter bores in soft soils.								
	(A)	Hydraulic jet method	(B)	Percuss	ion n	nethod				
	(C)	Reverse rotary method	(D)	Well dri	illing	method				
	(E)	Answer not known								
130.	In the preparation of development plans for cities, it is necessary to earmark land for water treatment plant, which should behectares to build a 500 MLD water treatment plant.									
	(A)	9.34 hectares	(B)	3.73 hec	etares	3				
	(C)	4.90 hectares	` '	6.72 hec						
	(E)	Answer not known	(2)	3.,2 1100		•				
	. ,									

131.	Identify the components of the environment that are effective transporters of matter?										
	(A)	(A) atmosphere and hydrosphere									
	(B)	atmosphere and lithosphere									
	(C)	hydrosphere and lithosphere									
	(D)	atmosphere and biosphere									
	(E)	) Answer not known									
132.	Ozone and nitrous oxides appears at an altitude of and serves to protect the earth from the sun's UV radiation.										
	(A)	10-15  km	(B) $15 - 20 \text{ k}$	m							
	(C)	$15-25~\mathrm{km}$	(D) $25 - 30 \text{ k}$	xm							
	(E)	Answer not known									
133.	'Envi	'Environment' in EIA context mainly focus on									
	(1)	Physical dimension									
	(2)	Chemical dimension									
	(3)	Biological dimension									
	(4)	Aesthetic dimension									
	(A)	(1) and (2)									
	(B)	(3) and (4)									
	(C)	(1), (2) and (3)									
	(D)	(1), (2), (3), (4)									

(E) Answer not known

Flooding can be minimized or prevented by					
(A)	Afforestation	(B) Cutting the forests			
(C)	Tilling the land	(D) Removing the top soil			
(E)	Answer not known				
held	its first annual congress in the	_			
(A)	1993 and 1996	(B) 1996 and 2001			
(C)	1989 and 1990	(D) 1970 and 1974			
(E)	Answer not known				
		governing the entire process of			
(A)	10	(B) 08			
(C)	06	(D) 12			
(E)	Answer not known				
Gove	ernment is required for a $m-500$ meters of High water	ll Tourism Projects between r Line and at locations with an			
(A)	1 Crore	(B) 15 Crores			
(C)	5 Crores	(D) 50 Crores			
(E)	Answer not known				
	(A) (C) (E)  New held chart (A) (C) (E)  How EIA? (A) (C) (E)  As portion of the content of the chart (A) (C) (E)	<ul> <li>(A) Afforestation</li> <li>(C) Tilling the land</li> <li>(E) Answer not known</li> <li>New Urbanism, a movement within held its first annual congress in the charter in the year</li> <li>(A) 1993 and 1996</li> <li>(C) 1989 and 1990</li> <li>(E) Answer not known</li> <li>How many guiding principles are EIA?</li> <li>(A) 10</li> <li>(C) 06</li> <li>(E) Answer not known</li> <li>As per EIA notification 2006, Envir Government is required for a 200 m - 500 meters of High water elevation of more than 1000 meter Crores.</li> <li>(A) 1 Crore</li> <li>(C) 5 Crores</li> </ul>			

138.	Gree		een Building Council Founds the titute to certify Leadership in (LEED).
	(A)	2001	(B) 2010
	(C)	2005	(D) 2007
	(E)	Answer not known	
139.			nagement tools for incorporating process and in decision making.
	(A)	Environmental Impact Assess	sment (EIA)
	(B)	Environmental Management	System (EMS)
	(C)	<b>Environmental Auditing</b>	
	(D)	Environmental labelling	
	(E)	Answer not known	
140.	Iden	<del>-</del>	NOT included in the scoping
	(A)	setup the team of experts that	will conduct the EIA
	(B)	describe the project area and	the area of project influence
	(C)	identify environmental impac	ts and create a contingency plan
	(D)	outline project alternative f and closure	or preparation, implementation
	(E)	Answer not known	

141.	The 1	term VAV means				
	(A)	stepped well in which water can be stored				
	(B)	bamboo drip irrigation system				
	(C)	diversion channels which carr	y water from glaciers			
	(D)	embankment built around a si	lope			
	(E)	Answer not known				
142.	'Hou	se form and culture' is the title	of a noted book authored by			
	(A)	Geoffrey Broadbent	(B) Jon Lang			
	(C)	Chiristopher Alexander	(D) Amos Rapoport			
	(E)	Answer not known				
143.		_	in front of the home that are lm, but have acquired a private various physical modification.			
	(A)	Work places	(B) Small shops			
	(C)	Public structures	(D) House extensions			
	(E)	Answer not known				
144.	Char	ndigarh reflects the planning id	lea of			
	(A)	Ebenezer Howard	(B) Le Corbusier's Radiant city			
	(C)	Garden suburb	(D) Cleancre Perry			
	(E)	Answer not known				

145.	the c	regulating development activi coastal stretches within andward side are classified into		meters of High tide line on
	(A)	500 m	(B)	450 m
	(C)	380 m	(D)	300 m
	(E)	Answer not known		
146.	not e	gious buildings and welfare insexceeding sq.m is per common control of the cont	erm	issible with special sanction
	(A)	300	(B)	450
	(C)	350	(D)	500
	(E)	Answer not known		
147.	Le C	orbusier's Radiant city emphas	ized	
	(A)	Decentralization		
	(B)	Dispersed – low rise settlemer	its	
	(C)	High rise housing in park-like	sur	roundings
	(D)	Concentric zone planning		
	(E)	Answer not known		
148.	Вура	ass roads are also known as		
	(A)	fast roads	(B)	media roads
	(C)	loop roads	(D)	cut roads
	(E)	Answer not known		

149. The cities of were developed follow "Five Elements" of Water, Earth, Fire, Wood				
	(A)	Mesopotamia	(B)	Nile Valley Civilization
	(C)	Ancient China	(D)	Sumerian Civilization
	(E)	Answer not known		
150.	Who	proposed the concept of linear	city?	)
	(A)	Ebenezer Howard	(B)	Le Corbusier
	(C)	Arturo soria y mata	(D)	Frank Llyod wright
	(E)	Answer not known		
151.	51. The chang-an city in China is a walled city covered aboutsquare kilometers.			
	(A)	90	(B)	100
	(C)	70	(D)	80
	(E)	Answer not known		
152.		ent village divided into interl er, square or rectangle in plan i		al chambers with temple in
	(A)	Sarvatothadra	(B)	Vidharbabhadra
	(C)	Sikarabhadra	(D)	Janvabhadra
	(E)	Answer not known		
153.	A vei	ctical city of 13,000 inhabitants	was	s planned by architect
	(A)	Le Corbusier	(B)	F.L. Wright
	(C)	Louis Khan	(D)	Mies Van der Rohe
	(E)	Answer not known		

154.	54. Select the values relevant for the Victoria Memorial Hall, Kolkat							
	(A)	Ecological	(B)	Archeological				
	(C)	Historical	(D)	Associative				
	(E)	Answer not known						
155.		important purpose of u	rban	renewal is to address				
	(A)	Collective ownership of prope	rty					
	(B)	Create more "neighborhood" developments						
	(C)	Urban poverty						
	(E)	Answer not known						
156.	Comp	pletion time of dummy activity	is					
	(A)	Zero	(B)	Optimistic time				
	(C)	Maximum time	(D)	Greenwich time				
	(E)	Answer not known						
157.	Net p	oresent value method are most	popu	ular because of				
	(A)	Discounting criteria	(B)	Non-discounting criteria				
	(C)	Benefit cost criteria	(D)	Cost criteria				
(E) Answer not known								

158.	havii	A project is expected to take 15 months along the critical path, having standard deviation of 3 months, what is the probability of completion of project in 12 months?					
	(A)	15.87%	(B) 84.13%				
	(C)	50%	(D) 66.6%				
	(E)	Answer not known					
159.	The	important phases in the project	management is				
	(1)	Project planning					
	(2)	Project scheduling					
	(3)	Project controlling					
	(4)	Project feedback					
	(A)	(1)	(B) (1), (2)				
	(C)	(1), (2), (3)	(D) (2), (4)				
	(E)	Answer not known					
160.	follow	wing	of a feasibility report from the				
	(i)	Cost-benefit analysis					
	(ii)	Statement of the objective of the proposed project					
	(iii)	Who will supply materials for implementing project					
	(iv)	Organizational changes neede	ed to implement the project				
	(A)	(i) and (ii)	(B) (i), (ii) and (iii)				
	(C)	(i) and (iv)	(D) (i), (ii) and (iv)				
	(E)	Answer not known					

161.	The p	performance of a specific task in	n CP	M is known as
	(A)	Activity	(B)	Dummy
	(C)	Event	(D)	Node
	(E)	Answer not known		
162.		sh flow analysis, the difference ormed (BCWP) and Budgeted (		
	(A)	Cost variance	(B)	Schedule variance
	(C)	Departure variance	(D)	Work variance
	(E)	Answer not known		
163.	authorsubm of pu Bulle	amil Nadu Transparency tendority shall ensure that adequission of Tenders and a minimulablication of the Notice inviting etin or in the newspapers. The ess of rupees 2 crores in value is	uate um g te	e time is provided for the time is allowed between date nders in the relevant tender
	(A)	30 days	(B)	15 days
	(C)	20 days	(D)	45 days
	(E)	Answer not known		

164.	The contractor attains the right to terminate the contract under which situation				
	(i)	If the work is stopped by the o	court		
	(ii)	If the construction cost exceed	ls the quoted amount		
	(iii)	If the owner fails to pay the period	e contractor after the stipulated		
	(iv)	If he do not have the workford	e		
	(A)	(i) and (iii)	(B) (i) and (ii)		
	(C)	(i) and (iv)	(D) (i), (ii) and (iii)		
	(E)	Answer not known			
165.	If Bo	•	Net Benefit-Cost Ratio (NBCR)		
	(A)	$\frac{\text{PVB}}{\text{I}}$	(B) $\frac{I}{PVB}$		
	(C)	$\frac{BCR}{I}$	(D) BCR – 1		
	(E)	Answer not known			
166.	alloca		is defined as the resource that is to be completed by a		
	(A)	Resource Levelling	(B) Resource Smoothing		
	(C)	Resource Histogram	(D) Resource Variance		
	(E)	Answer not known			

-	•	al Asset Pricing Model (CAPM)				
(A) (C)	Sharp, Linter, Mossin Altman	<ul><li>(B) GERT</li><li>(D) Little and Mirrless</li></ul>				
sickn	ess of projects on the basis					
(A)	Univariate analysis					
(B)	Schedule performance analysis					
(C)	Multivariate analysis					
(D)	Network analysis					
(E)	Answer not known					
The f	following are the important me	thods of economic evaluation				
(1)	Benefit cost ratio method					
(2)	First Year Rate of Return method					
(3)	Net present value method					
(4)	Internal Rate of Return metho	od				
(A)	(1), (2), (3), (4)	(B) (2), (3), (4)				
(C)	(1), (2), (3)	(D) (1), (2), (4)				
(E)	Answer not known					
	(A) (C) (E)  In p sickn indic. (A) (B) (C) (D) (E)  The f (1) (2) (3) (4) (A) (C)	(C) Altman (E) Answer not known  In project management, an analysis sickness of projects on the basis indicator is called as (A) Univariate analysis (B) Schedule performance analysis (C) Multivariate analysis (D) Network analysis (E) Answer not known  The following are the important met (1) Benefit cost ratio method (2) First Year Rate of Return met (3) Net present value method (4) Internal Rate of Return method (A) (1), (2), (3), (4) (C) (1), (2), (3)				

170.	In project planni is the		ing and scheduling slack time (or slack) of an event of that event				
	(A)	Difference be Start Time (7		est Finish Time (	$T_{ m L})$ and $$ the	Earliest	
	(B)	Difference between Earliest Start Time $(T_E)$ and the Latest Finish Time $(T_L)$					
	(C)	Difference between Latest Start Time $(T_L)$ and the Earliest Finish Time $(T_E)$					
	(D)	Difference be	etween Tota	al Float and Free	Float		
	(E)	Answer not k	known				
171.	Rational comprehensive planning was dominant during						
	(A)	1940-1950		(B) 1960-	1970		
	(C)	1980-2000		(D) 1920-	1930		
	(E)	Answer not k	known				
172.		develop out along recta		cept of an agora, es	a central ma	rket place	
	(A)	Hippodamus		(B) Augus	stus		
	(C)	Miletus		(D) Julius	s Caesar		
	(E)	Answer not k	known				
173.	The	concept of "Dis	sjointed Inc	erementalism" ca	n also be des	cribed as	
	(A)	Choice making	ng	(B) Non p	lanning		
	(C)	Rational plan	nning	(D) Advoc	acy planning	g	
	(E)	Answer not k	known				

174.	Iden	tify the correct statement with	resp	ect to	norma	tive th	eories	3
	(i)	Normative theories are mo						
		between press and the govaudience	vern	ment	than	press	and	the
	(ii)	Normative theories book is "T	hree	theori	es of t	he Pre	ss"	
	(iii)	Normative theory was pronou	nced	l first i	n UK			
	(iv)	It was proposed by Fred Siebe	rt T	. Peter	son ar	nd Wilb	ur	
	(A)	(i) and (iv) only	(B)	(i), (ii)	), (iii)	only		
	(C)	(i), (ii), (iii), (iv)	(D)	(ii) an	d (iii)	only		
	(E)	Answer not known						
175.	. Sites within Intense/Standard zones which have existing gross density higher than may not be suitable for redevelopment, but may need retrofitting to meet TOD zone requirements.							
	(A)	250 du/ha	(B)	250 d	u/acre			
	(C)	150 du/acre	(D)	150 d	u/ha			
	(E)	Answer not known						
176.		er URDPFI guidelines the waries is	ater	requir	emen	t for of	ffices	and
	(A)	45 litres/head/day	(B)	70 litr	res/hea	ad/day		
	(C)	60 litres/head/day	(D)	65 litr	res/hea	ad/day		
	(E)	Answer not known						
177.	As pe	er URDPFI guidelines one cren	nato	rium h	as to k	oe provi	ided f	or
	(A)	5 lakhs	(B)	2 lakh	ns			
	(C)	1 lakh	(D)	3 lakh	ıs			
	(E)	Answer not known						

**50** 

382-Town and Country Planning

178.	One	One of the first urban planning games to be developed was					
	(A)	GO	(B)	CLUG			
	(C)	WEi-HAi	(D)	METRO			
	(E)	Answer not known					
179.	In Do	elphi Technique the group of ex	pert	ts, first respond to			
	(A)	Interviews	(B)	Presentations			
	(C)	Questionnaires	(D)	Discussions			
	(E)	Answer not known					
180.	In planning methods is used as a relative index which compares the proportion of production contributed by an Industrial sector (say manufacturing) in a give region, to the proportion of production contributed by that sector nationally						
	(A)	Location quotient	(B)	Location sector			
	(C)	Input output analysis	(D)	Best fit method			
	(E)	Answer not known					
181.	In general, regional planning in India is carried out by the						
	(A)	State Government	(B)	Central Government			
	(C)	Local bodies	(D)	HUDCO			
	(E)	Answer not known					
182.	In neighbourhood unit concept envisioned by Perry and Duany would have an area of land about acres.						
	(A)	160 acres	(B)	180 acres			
	(C)	210 acres	(D)	175 acres			
	(E)	Answer not known					

183.	Kank	Rank Size Rule is based on					
	(A)	Population of the cities in an ascending order					
	(B)	Quality of life of cities					
	(C)	City size distribution					
	(D)	Distribution of size by rank, in decreasing order of size					
	(E)	Answer not known					
184.	In population data method of forecast is particularly applicable to smaller cities that have fixed boundaries.						
	(A)	Holding capacity method	(B) Logistics curve method				
	(C)	Matrix method	(D) Threshold method				
	(E)	Answer not known					
185.	The II Five year plan emphasized on						
	(A)	Less developed area should receive dice attention					
	(B)	Balanced regional development					
	(C)	Identify the backward regions					
	(D)	Problem based Area Programs					
	(E)	Answer not known					
186.	The hypothetical industrial city called "Une Cite" Industrielle was designed by						
	(A)	Le Corbusier	(B) Robert Owen				
	(C)	Antonio Sant'Elia	(D) Tony Garnier				
	(E)	Answer not known					

187.	The	rogion	nal nlai	aning fo	or dalinas	tion of fund	ctional	region
107.	The regional planning for delineation of functional region Quantitative methods are used. Match the following:							
	(i)	Zipf's			(P)	Polygon meth	nod	
	(ii)	Christ	taller an	d Losche's	s $(Q)$	Gravity mode	el	
	(iii)	Thiese	sen		(R)	Principle of 'I	Distance	Delay'
	(iv)	Stewa	rt's		(S)	Central place	theory	
	(A)	(i)-(R)	(ii)-(S)	(iii)-(P)	(iv)-(Q)			
	(B)	(i)-(Q)	(ii)-(P)	(iii)-(S)	(iv)-(R)			
	(C)	(i)-(P)	(ii)-(S)	(iii)-(Q)	(iv)-(R)			
	(D)	(i)-(P)	(ii)-(Q)	(iii)-(R)	(iv)-(S)			
	(E)	Answe	er not kn	own				
188.	The Spatial planning form of Srirangam town in Tamilnadu refers to							
	(A)	Swast	hika		(B)	Karmuka		
	(C)	Chath	urmuka		(D)	Dandaka		
	(E)	Answe	er not kn	own				
189.	The move away from plan based on pure land use to inclusion of social, economic and infrastructure criteria resulted in							
	(A)	Maste	r plan		(B)	Systems plan	L	
	(C)	Local	plan		(D)	Structure pla	n	
	(E)	Answe	er not kn	own		_		
	. ,							

190.	In ancient town planning the plan of an Indo-Aryan town fairly reproduced on a grandeur scale the plan of an Indo-Aryan village. This reproduction is in conformity with the rules of and					
	(A)	Manasara and Mayamuni	(B)	Mansara and Mangalabithi		
	(C)	Mayamuni and Nagamuni	, ,	Mansaras and Niagama		
	(E)	Answer not known	` ,			
191.		pricing ensures that n	ıew	development always pays a		
		proportionate share of the cost of replacing a unit of service in present value terms rather than the historical cost				
	(A)	Vintage	(B)	New		
	(C)	Existing	(D)	Graded		
	(E)	Answer not known				
192. One of the following is not part of value capture methods			capture methods			
	(A)	Land pooling system				
<ul><li>(B) Transfer of development rights</li><li>(C) Transit oriented development</li></ul>						
	(D)	Betterment levy				
	(E)	Answer not known				
193.	chall prop	As per the guidelines for procurement of PPP projects under Swiss challenge model proposal means an infrastructure proposal submitted by a private sector participant "on its own motion".				
	(A)	Suo-Moto	(B)	Su-Moto		
	(C)	Public Need	(D)	Bidding project		
	(E)	Answer not known				

- 194. The Development Potential of the whole or a part of the plot or rite may be separated from the land itself and may be made available to the land owner in the form of
  - (A) Transferable Development Rights
  - (B) Premium FSI
  - (C) Transit Development Rights
  - (D) Floating FSI
  - (E) Answer not known
- 195. Transferable Development Rights (TDR) as policy instrument shall be effective when they comply with
  - (a) Developers want to buy DRC's and transfer them to receiving areas
  - (b) Landowners are willing to sell DRC's whole permanently restricting development in their land
  - (c) DRC's are expensive than market value of land is receiving area
  - (d) Landowners will be forced to sell DCR
  - (A) (a) and (b)

(B) (b) and (c)

(C) (b) and (d)

(D) (a) and (d)

- (E) Answer not known
- 196. In AMRUT programme, the Central Government release of funds will be in
  - (A) Three instalments of 20:40:40
  - (B) Three instalments of 20:30:50
  - (C) Four instalments of 25:25:25:25
  - (D) Four instalments of 20:30:30:20
  - (E) Answer not known

197.	National Rural Health Mission launched during April 2005, cover the entire country, but has a special focus on state identified to have weak public health indicators and/or weak health infrastructure				
	(A)	18	(B) 12		
	(C)	21	(D) 28		
	(E)	Answer not known			
198.	_	per Rurban clusters, Building fing norm for Mandi and godow  2 ECS for 100 sq.m plot area  1 ECS for 200 sq.m plot area  0.5 ECS for 100 sq.m plot area  2 ECS for 200 sq.m plot area  Answer not known			
199.	99. Social, economical and ecological equity is the necessary con for achieving				
	(A)	Social development	(B) Economic development		
	(C)	Sustainable development	(D) Ecological development		
	(E)	Answer not known			
200.	of the ministry of urban development, government of India is the key guiding policy at the national level focusing on urban transport in India				
	(A)	NUTP	(B) NTUP		
	(C)	NPUT	(D) NMT		
	(E)	Answer not known			

**56** 

382-Town and Country Planning