Question Booklet No.:		TPA	R/2022
	Register Number		

TOWN PLANNING (P.G. 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

	Ider a re	gulated manner for land acquisition and development of city.
	(A)	Bombay (Mumbai)
	(B)	Kolkatta (Calcutta)
	(C)	Puna (Pune)
	(D)	Madras (Chennai)
	(E)	Answer not known
2.	One righ	of the following is not the purpose of adoption of Transferable development
	(A)	Heritage conservation
	(B)	Road indexing
	(C)	Create special economic zone
	(D)	Lake and water bodies conservation
	-	Dake and water boards conscivation
	(E)	Answer not known
3.	(E)	
3.	(E)	Answer not known creation of "Sustainable equitable economically vibrant Cities" is the proclaimed
3.	(E)	Answer not known creation of "Sustainable equitable economically vibrant Cities" is the proclaimed citive of
3.	(E) The object (A)	Answer not known creation of "Sustainable equitable economically vibrant Cities" is the proclaimed etive of JNNURM
3.	(E) The object (A) (B)	Answer not known creation of "Sustainable equitable economically vibrant Cities" is the proclaimed etive of JNNURM AMRUT
3.	(E) The object (A) (B) (C)	Answer not known creation of "Sustainable equitable economically vibrant Cities" is the proclaimed etive of JNNURM AMRUT Urban Transport
3 . 4 .	(E) The object (A) (B) (C) (D) (E)	Answer not known creation of "Sustainable equitable economically vibrant Cities" is the proclaimed etive of JNNURM AMRUT Urban Transport Atma Nirbhar Bharat
	(E) The object (A) (B) (C) (D) (E)	Answer not known creation of "Sustainable equitable economically vibrant Cities" is the proclaimed citive of JNNURM AMRUT Urban Transport Atma Nirbhar Bharat Answer not known NNURM programme which was launched by the Government of India, the
	(E) The object (A) (B) (C) (D) (E) In J Cent	Answer not known creation of "Sustainable equitable economically vibrant Cities" is the proclaimed etive of JNNURM AMRUT Urban Transport Atma Nirbhar Bharat Answer not known NNURM programme which was launched by the Government of India, the ral Grant is ———————————————————————————————————
	(E) The object (A) (B) (C) (D) (E) In J Cent (A)	Answer not known creation of "Sustainable equitable economically vibrant Cities" is the proclaimed between of JNNURM AMRUT Urban Transport Atma Nirbhar Bharat Answer not known NNURM programme which was launched by the Government of India, the ral Grant is ———————————————————————————————————
	(E) The object (A) (B) (C) (D) (E) In J Cent (A) (B)	Answer not known creation of "Sustainable equitable economically vibrant Cities" is the proclaimed etive of JNNURM AMRUT Urban Transport Atma Nirbhar Bharat Answer not known NNURM programme which was launched by the Government of India, the ral Grant is

5.	be o	er AMRUT, the Distr constituted and —— ector.	ict Level Review and Monitoring Committee (DLRMC) will will be the Co-Chairperson with the District
	(A)	Member(s) of Legisl	ative Assembly
	(B)	Member(s) of Parlia	ment
	(C)	Deputy District Col	lector
	(D)	Member of council of	f Minister's of state
	(E)	Answer not known	
6.			e-Governance Plan (NeGP) has now been subsumed in the as part of a highly ambitious "Digital India Progamme".
	(A)	e-Agmarknet	(B) Aaadhar
Make	(C)	Nav Krishi	(D) e-Kranti
	(E)	Answer not known	
7.	JNN Miss		nancial assistance for the preparation of following under its
	(a)	City Development Pl	an
	(b)	Detailed Project Rep	orts
	(c)	Master Plan	
	(d)	Regional Plan	
	(A)	(a), (b), (c) and (d)	
	(B)	(a) and (b) only	
	(C)	(c) and (d) only	
Y Y	(D)	(a), (b) and (c) only	
	(E)	Answer not known	
8.	repr	oduce observed behav	
	(A)	Specification	(By Calibration
	(C)	Validation	(D) Delibration
	(E)	Answer not known	
1			

9.	Identify the first unmanned satellite, designed to acquire data about the earth resources on a systematic, repetitive, medium resolution and multi spectral basis from the following.					
	(A)	ERTS – 1	(B)	SPOT-1		
	(C)	LISS-1	(D)	HCMM – 1		
	(E)	Answer not known				
10.		Imageries from CARTOSAT – 1 have ath of ———— Km.	ve a sj	patial resolution of 2.5 meter and covers		
	(A)	25 Km	(B)	30 Km		
	(C)	35 Km	(D)	20 Km		
	(E)	Answer not known				
		posite new layers of the same area a posite new layer. Three dimensional classification Map recreation Answer not known	(B)	erlay them on top of the other to form a Map densification Map overlay		
12.	-	is the creation of Polygon,	that s	surround other points, lines or polygons.		
	(A)	Rounding	(B)	Circling		
	(C)	Boffering	(D)	Enlarging		
	(E)	Answer not known				
13.	De S	Skewing in editing of Spatial Data in	GIS	refers to		
	(A)	removing low valued pixels in the	imag	e		
	(B)	rotate the image by small angle to	align	with the Co-ordinates		
	(C)	remove unwanted pixels				
	(D)	filling the holes and gaps in the in	nage			
	(E)	Answer not known				

14.		IS, the term 'LCGU' denotes ————————————————————————————————————		- which is one of the options available
	(A)	Least Control Geographical Unit	011	
	(B)	Large Common Geographical Unit		
	(C)	Large Control in Geographical Uni		
	(D)	Least Common Geographical Unit		
	(E)	Answer not known		
15.	Pote	ntial application of Remote Sensing		
	(A)	capability to capture fine resolution		
	(B) V	capability to capture fine resolution	n ima	age with temporal imaging
	(C)	capability to capture, large area		
	(D)	capability to capture census		
	(E)	Answer not known		
1.0		1 1 1 1 · · · 1		
16.	betw		n wi	th wavelengths ranging approximately
	(A) V	0.4 μm and 0.7 μm	(B)	0.1 μm and 0.3 μm
	(C)	$0.7~\mu m$ and $1.0~\mu m$	(D)	1.0 μm to 1.4 μm
	(E)	Answer not known		
	-			
17.		ch among the following is not an urb		
	(A)	Construction material inventories	(B)	Urban and regional planning
	(C)	Slope stability studies	(D)	Shortest path time studies
	(E)	Answer not known		
18.	GIS	is unique because, it handles		
	(A)	Special information	(B)	Attributes
	(C)	Graphics	(D)	Spatial information
	(E)	Answer not known		

19. Match the following in connection with remote sensing:

S

(1) Equator

- P drawn from pole to pole
- (2) Prime Meridian
- Q circle rounding the globe
- (3) Latitude
- R circle of greater circumference in globe
- (4) Longitude

- starting or zero point for angular measurements
- (A) 1-R, 2-Q, 3-P, 4-S
- (B) 1 Q, 2 R, 3 P, 4 S
- (C) 1-S, 2-P, 3-Q, 4-R
- (D) 1 R, 2 S, 3 Q, 4 P
- (E) Answer not known
- 20. Top policy does not include
 - (A) Last mile connectivity
 - (B) High density mixed income development
 - (C) Public facilities at needs of public transport
 - (D) Low dense housing
 - (E) Answer not known
- 21. As per URDPFI guidelines the recommended modal split by public transport mode for city of 1.5 million population is
 - (A) 30%
 - (B) 50% plus
 - (C) 40% plus
 - (D) 35%
 - (E) Answer not known
- 22. In trip distribution studies; the 2 well known opportunity models are:
 - (A) interactive and competing
 - (B) intervening and competing
 - (C) inductive and competing
 - (D) integral and competing
 - (E) Answer not known

23.	rad	ius of 400 m for a design speed of		rovided for a horizontal curve with a H.
	(A)	0.11	(B)	0.22
	(C)	0.33	(D)	0.44
	(E)	Answer not known		
24.		BND BB (1987) [18] 12 [2] 12 [2] 14 [2] [2] 15 [2] 15 [2] 15 [2] 15 [2] 15 [2] 15 [2] 15 [2] 15 [2] 15 [2] 15		speed and comes across a descending out any effort or brakes; it is called:
	(A)	ruling grade	(B)	momentum grade
	(C)	floating grade	(D)	minimum grade
	(E)	Answer not known		
25.	The	method available for conducting	an OD (C	Origin – Destination) survey are
	(1)	Home interview survey		
	(2)	Road side interview survey		
	(3)	Tags on vehicles		
	(4)	Street side survey		
	(A)	(1) and (2) are correct	(B)	(3) and (4) are correct
	(C)	(3) alone is wrong	(D)	(4) alone is wrong
	(E)	Answer not known		
26.	which	is provided to demarcat		undary between the road and foot path, night.
	(A)	Gradient	(B)	Kerbs
	(C)	Traffic island	(D)	Rotary
	(E)	Answer not known		
27.	The	common levels of measurement of	f vehicle	flow are:
	(i)	Average annual flow, expressed i	in vehicle	es per year
	(ii)	Average monthly flow, expressed	l in vehic	les per month
	(iii)	Annual average daily traffic, exp	ressed in	vehicles per day
	(iv)	Hourly flow, expressed in vehicle	s per ho	\mathbf{ur}
	(A)	(ii) alone is wrong	(B)	(iv) alone is wrong
,	(C)	(i) alone is wrong	(D)	(ii) and (iv) are wrong

28.	Identify the Traffic junction from the following, which converts all crossing into merging and diverging sequences?					
* -	(A)	Automatic signal	(B)	Manual signalling		
	(C)	Grade separaters		Rotary		
	(E)	Answer not known				
29.	If To	otal Float is 30 days and Free Float	is 10	days then the Interfering Float will be		
	(A)	40 days		-20 days		
	(C)	3 days	(D)	20 days		
	(E)	Answer not known				
	(-)					
30.	The	Critical Path Method (CPM) was di	scove	red by:		
	(A)	Du Pont Corporation	(B)	Gantt		
	(C)	Fulkerson	(D)	Hamilton Corporation		
	(E)	Answer not known				
31.	Criti	ical Path lies along the activities ha	ving t	otal float		
	(A)	positive	(B)	negative		
	(C)	zero	(D)	same		
	(E)	Answer not known				
32.		ne the float of an activity where the , when all jobs start as early as poss		cess of 'available time' over the activity		
	(A)	Total float	(B)	Free float		
H	(C)	Independent float	(D)	Interfering float		
	(E)	Answer not known				
				· 1. 15 数据 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
33.		———— does not belong to a netwo	rk tec	hnique.		
	(A)	LESS				
	(B)	CPM				
	(C)	UNETICS				
	(D)	LIST				
	(E)	Answer not known				

34.	A project is worthwhile if its Internal Rate of Return (IRR) — the cost o capital.						
2-16	(A)	equal to	(B)	less than			
	(C)	exceeds	(D)	zero			
	(E)	Answer not known					
35.	If Pr	resent Value of Benefits (PVB) is	s 100	and Initial investments	is 1000, then		
		efit Cost Ratio (BCR) is equal to					
	(A)V	0.1	(B)	0.2			
	(C)	1	(D)	10			
	(E)	Answer not known					
36.	If C_t	is the cash flow at the end of ye	ear t,	n is the life of the projec	t, and r is the		
	discount rate, the Net Present Value (NPV) of project will be						
	(A) V	$\sum_{t=1}^{n} \frac{C_{t}}{(1+r)^{t}} - \text{Initial investment}$	(B)	$\frac{C_t}{(1+r)^t}$ – Initial investment	e nt		
	(C)	$\frac{\left(1+r\right)^{t}}{C_{t}}$ – Initial investment	(D)	$\sum_{t=1}^{n} \frac{C_t}{(1+r)^t}$			
	(E)	Answer not known					
37.	The	is defined as the pres	ent va	lue of benefits (Cash inflo	ws) divided by		
	The is defined as the present value of benefits (Cash inflows) divided by the present value of costs (Cash outflows).						
	(A)	Discount ratio	(B)	Benefit ratio			
	(C)	Cost ratio	(D)	Benefit cost ratio			
	(E)	Answer not known					
38.	A pr	oject is worthwhile if its net presen	t value	e is			
	(A)	greater than zero	(B)	less than zero			
	(C)	equal to zero	(D)	maximum			
	(E)	Answer not known					

39.	The building to which the public or any class or section of the public are granted access or any building which is open to the public or any class or section of the public as per Tamil Nadu Town country Planning Act is					
	(A)	private building	(B)	public building		
	(C)	library building	(D)	cosmopolitan building		
	(E)	Answer not known				
40.		section that gives the Gover il Nadu Town and Country I		prove detailed development plan as per		
	(A)	Section 18	(B)	Section 28		
	(C)	Section 38	(D)	Section 48		
	(E)	Answer not known				
41.		er Town and Country Plans arashtra or Gujarat has beer		1 the Town Planning Scheme (TPS) of ed as		
	(A)	Master plan	(B)	Perspective plan		
	(C)	Development plan	(D)	Detailed development plan		
	(E)	Answer not known				
42.		tify the schedule from the fo		ch is concerned with Urban planning ution		
	(A)	10th Schedule	(B)	11th Schedule		
	(C)	12th Schedule	(D)	13th Schedule		
	(E)	Answer not known				
43.		er 74 th Constitutional Amendea in transition from rural a		992, a transitional area, that is to say, oan area is called		
	(A)	Nagar Panchayat				
	(B)	Village Panchayat				
	(C)	Municipal Council				
	(D)	Municipal Corporation				
	(E)	Answer not known				

44.		y meeting of the Gram ge Panchayat.	a Sabha s	shall be	e convened by the —	of the
	(A)	Vice - President		(B)	President	
	(C)	Members		(D)	Elder Member	
	(E)	Answer not known				
45.	Zoni	ng regulation deals with	,			
	P.	Density				
		Minimum areas of room				
	Q.		01 S.			
	R.	Land use				
	S.	Building materials				
	T.	Height				
	U.	Reserved land areas				
	(A)	P, R, T		(B)	P, Q, R, S	
	(C)	P, R, S		(D)	Q, R, U, T	
	(E)	Answer not known				
46.	The (A)	three tier Panchayat Ra 73 rd Constitutional An			possible by	
	(B)	74th Constitutional An	nendment	Act		
	(C)	Town Planning Act				
	(D)	National Rural Develo	pment Mi	ssion		
	(E)	Answer not known				
47.	RFC	TLARR Act (2013) rec				alculated as the
	(A)	maximum land value	specified u	nder I	ndian Stamp Act, 1989	
	(B)	minimum land value s	specified u	nder In	dian Stamp Act, 1899	
	(C)	minimum land value s	specified u	nder In	dian Stamp Act, 1989	
	(D)	maximum land value	specified u	nder I	ndian Stamp Act, 1899	
,	(E)	Answer not known				
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48.	Sun light, is the pr	esence of water of	shallow d	lepth
	(A) reduce turbi	dity	(B) V	impedes the growth of algae
	(C) increase diss	solved oxygen	(D)	increase acidity
	(E) Answer not l	cnown		
49.	refer	s to the award of t	ender to p	private partner for the implementation
	of the PPP project.	4		
	(A) Project Mana	ager	(B)	Concessionaire
	(C) Special purp	ose vehicle	(D)	Consultant
	(E) Answer not l	known		
50.	Turbidity of raw w	ater is a measure o	\mathbf{of}	
	(A) acidity		(B)	suspended solids
	(C) B.O.D		(D)	Alkalinity
	(E) Answer not l	nown		
51.	The housing stock	of a town has	total num	nber of 9090 dwelling units. Presen
	population of the	town is 45,450. A	ssuming	an average household size of 4.5, the
	housing shortage in	n town in percenta	ge is	
	(A) 15		(B)	20
	(C) ✓ 10		(D)	13
	(E) Answer not l	nown		
52.	In design of sewer of diameter greater		um slope	of is required for sewers
	(A) 1 in 1000		(B)	1 in 600
	(C) 1 in 1250		(D)	1 in 750
	(E) Answer not l	nown		
			C. 14	

53.	The solid waste resulting from growing, handling, preparation and consumption of put rescible organic matter is called					
	(A)	Refuse	(B)	Rubbish		
	(C)	Garbage	(D)	Cinders		
	(E)	Answer not known				
54.	Low	ro aigad floating shiosts son be none	d 6	om sawaga by a process called		
94.		ge sized floating objects can be remo	ved Ir	Screening		
	(A)	Skimming	(D)			
	(C)	Filtration	(D)	Percolation		
	(E)	Answer not known				
55.		Recommended Design period of delines, 2014 is — years.	sewa	ge treatment plant as per URDPFI		
	(A)	50	(B)	30		
	(C)	25	(D)	40		
	(E)	Answer not known				
56.	Wha	t is the value of maximum daily con	nsump	tion of water?		
	(A)	1.5 × average daily demand	(B)	1.6 × average daily demand		
	(C)	1.7 × average daily demand	(D)	1.8 × average daily demand		
	(E)	Answer not known				
57.	Incre	eased density and mixed land use d	iscour	ages		
	(A)	walking	(B)	cycling		
	(C)	public transport	(D)	private car		
	(E)	Answer not known				
58.		ent the silting of particles in sewers		t, that a minimum velocity which will a wide variation in discharge of sewage		
	(A)	Shield velocity	(B)	Self-cleansing velocity		
	(C)	Non-Scouring velocity	(D)	Gravitational velocity		
	(E)	Answer not known				

59.	The	aim of environmental assessment	is	
	(A)	justify the project		
	(B)	find the faults in the project		
	(C)	introducing the environmental f	acts of t	the project
	(D)	find the economic loss		
	(E)	Answer not known		
60.	The	lowest dose of pollutant at which	there is	an observable effect is known as
	. (A)	Admissible dose	(B)	Allowable dose
	(C)	Threshold dose	(D)	Limiting dose
	(E)	Answer not known		
61.	The .	Air (Prevention and Control of Pol	llution)	Act was enacted in the year
	(A)	1981	(B)	1996
	(C)	2000	(D)	1974
	(E)	Answer not known		
62.	Wate	er pollution may be caused by		
	(i)	atmospheric dissolved gases		
	(ii)	decomposition of animal and vege	etable n	naterials
	(iii)	mining activities		A Secretary of Automorphisms (1985)
		industrial effluents and sewage d	isposal	
	(A)	(i) and (ii)	(B)	(i) and (iii)
	(C)	(i), (ii), (iii) and (iv)	(D)	(i), (ii) and (iii)
	(E)	Answer not known		
33.	Roge	arding noise level the term PTS re	fer to	
<i>.</i>	(A)	Permissible Threshold Shift	101 10	
	(11)	T CHILDSINIC THESHOLD WHILE		

- (B) Permissible Temporal Shift
- Permanent Threshold Shift (C)
- (D) Permanent Temporal Shift
- Answer not known (E)

64.	Biot	tic components of environment are		
1	(i)	Plants	,	
	(ii)	Animals		
	(iii)	Human beings		
	(A)	(i), (ii) and (iii)	(B)	(i)
	(C)	(ii)	(D)	(iii)
	(E)	Answer not known		
	.,14			
65.	Env	rironmental resources may be classi	fied as	s follows:
	(i)	Renewable		
	(ii)	Non-renewable		
	(iii)	Flow resources		
	(A)	(i)	(B)	(i) and (ii)
	(C)	(i), (ii) and (iii)	(D)	(i) and (iii)
	(E)	Answer not known		
66.		이 10 집에 가는 가는 가는 이 없는 것이 되었다. 그 가는 그는 그들은 그 사람들이 되었다면 하는 것이 되었다.	x emis	ssion (harmful toxic pollutant) from the
	follo	wing:		
	(A)	Factory		
	(B)	Automobile		
	(C)	Thermal Power Station		
	(D)	Lignite Power Station		
	(E)	Answer not known		
67.		following emission is the most vution.	risible	sign of vehicular (particularly diesel)
	(A)	Carbon monoxide		
	(B)	Oxides of nitrogen		
	(C)	Hydro carbons		
	(D)	Particulates		
	(E)	Answer not known		
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68.		transformation of a working - class residential and/or commercial use		cant area of the central city into middle
	(A)	Urban sprawl	(B)	Gentrification
	(C)	Decentralization	(D)	Suburbanization
	(E)	Answer not known		
69.	Cont	temporary city (1992) is the vision	of	
	(A)	Lewis Mumford	(B)	Le Corburier
	(C)	Ebenezer Howard	(D)	Patrick Geddes
	(E)	Answer not known		
70.	"Cor	e of the city" is also referred as		
	(A)	Sector	(B)	Nodes
	(C)	Central business district	(D)	District
	(E)	Answer not known		
71.	Cour	nter Urbanization is a demographic	c and so	ocial process where people
	(A)	move from urban areas to urban	areas	
	(B)	move from rural areas to rural ar	eas	
	(C)	move from urban areas to rural a	reas	
	(D)	move from city to metropolis		
	(E)	Answer not known		
72.	Whie	ch of the following is correct		
	(i)	Labour can be separated from lab	ourer	
	(ii)	Labour is both means and end of	econon	nic activity
	(iii)	Labour is perishable		
	(iv)	Labour is less mobile		
	(A)	(i), (ii), (iii) and (iv) only		
	(B)	(ii), (iii) and (iv) only		
	(C)	(i) only		
	(D)	(i) and (iii) only		
	(E)	Answer not known		

73.	"The division of labour and specialization would lead to better organization and more result". This is possible only					
	(A)	A) If the scale of marginal return is curved				
	(B)	If the scale of production is large				
	(C)	C) If the scale of production is small				
	(D)	O) If the efficiency work is neutral				
	(E)	E) Answer not known				
74.		nferior goods which are purchased in smaller quantities as the alled as	he income increases are			
	(A)	Giffen goods (B) Speculative goods	ods			
	(C)	C) Prestige goods (D) Normal goods				
	(E)	E) Answer not known				
	Y					
75.		the city rights movement of the late 1950's and early 1960 sues of ———————————————————————————————————	s focused attention on			
	(A)	Justice and fairness (B) Equity and pov	verty			
	(C)	C) Prestige and power (D) Housing and po	overty			
	(E)	E) Answer not known				
76.	Tota	otal utility is maximum when				
	(A)	Marginal utility is zero				
	(B)					
	(C)					
	(D)					
	(E)	E) Answer not known				
77.	Iden	dentify the factors which causes people to move to urban area	as			
	(A)					
	(B)					
	(C)					
	(D)					
	(E)					

78.	The act	e method that projects changes ivity is called	in a re	gion's share of certain economic expor
	(A)	Location quotient method	(B)) Shift share method
	(C)		(D	Ratio method
	(E)	Answer not known		
79.	Foll dev	lowing statements are true wi elopment authority	th respe	ect to the formation of Dandakarany
	(a)	Backward region		
	(b)	Sparrely populated tribal region	on	
	(c)	Located between south eastern	n Madhy	a Pradesh and Southern Orissa
	(d)	Established in the year 1960	* * * * * * * * * * * * * * * * * * *	Aword high a first transfer of
	(A)	(a), (b), (c)	<i>X</i> *	
	(B)	(a), (b), (c) and (d)		
	(C)	(a), (b), (d)		
	(D)	(b), (c), (d)		
	(E)	Answer not known		
80.	The	concept of "squaring the circle" i	n Renais	sance planning was followed by
	(A)	Campanella	(B)	Da vinci
	(C)	Filarete	(D)	Michaelangelo
	(E)	Answer not known	(2)	Michaelangero
81.	The	blocks within the chess board pa	ttern of I	Roman towns were called
	(A)	Decumanus	(B)	Plaza
	(C)	Insulae	(D)	Castrum
	(E)	Answer not known		
82.	In w	hich five year plan Regional pl asing imbalances in socio-econom	lanning nic devel	approach was emphosized to curb the opment of various areas in our country
	(A)	Third plan	(B)	Fourth plan
	(C)	Fifth plan	(D)	Sixth plan
	(E)	Answer not known		

83.		on delineated for certain specifi ral resources etc. is called	c purposes	s such a development of water resource,				
	(A)	Homogenous region	(B)	Nodal region				
	(C)	Adhoc region	(D)	Socio cultural region				
, , ,	(E)	Answer not known	1					
	, m	les of planning regions a	ra as follo	ws				
84.		nierarchy of planning regions a		Meso, Macro and Micro				
100	(A)	Macro, Meso and Micro		Macro, Micro and Meso				
	(C)	Micro, Meso and Macro	(D)	Macro, Micro and Meso				
	(E)	Answer not known						
85.		city of Chandigarh has a clear, ollowing sector's	segregati	on of pedestrian and vehicular traffic in				
	(A)	In all the sector	(B)	Commercial sector's				
	(C)	Industrial sector's	(D)	Recreational sector's				
	(E)	Answer not known						
00	т "Т	Mansara Shilpa-Shastra" the lo	otus shane	d town is called as				
86.	1n 1	Padmaka	(B)	Karmukha				
	(A)	Swastika	(D)	Danolaka				
	(C)	Answer not known						
	(E)	Answer not known						
87.	In t	he early day, the concept of reg	ional plan	ning primarily meant				
	(A)	The development of water regiven river basin	sources ar	nd the adjacent land resources within a				
	(B)	and I dead with a given region						
	(C)	The development of Infrastru	ctures faci	lities within the given region				
	(D)	Similar to the raster plan						
	(E)	Answer not known						

88. Match the correct combination

Planning system

Time Frame in years

- Perspective plan (a)
- 1. 20
- (b) Regional plan
- 2. 1
- Local area plan (c)
- 3. 20-30
- (d) Annual plan
- 5-20 4.

(a)

1

- (b) (c)
- (d) 1

2 3

3

- (A)
- (B)
- 4
- (C) (D)
- 4
- - 4
- (E) Answer not known

3

1

1

2

Floor Area Ratio (FAR) is the significant tool to 89.

- (A) Control the density of built up area
- (B) Control the density of population
- (C) Control the building height
- Control traffic (D)
- Answer not known (E)

According to URDPFI Guideline's a megapolis should have a population range of 90.

- (A) More than 1 crore
- (B) 50 Lakh to 1 crore
- (C) More than 2 crore
- (D) More than 10 Lakhs
- Answer not known (E)

The required population to support primary school for a neighbourhood development 91. is

- (A) 5000 to 10,000
- 3,500 to 5,000 (B)
- 10,000 and above (C)
- (D) 5,000 and above
- (E) Answer not known

92.	Delp	ohi Techniques was advocated by		
	(A)	Lowry and Garin	(B)	Helmer and Dalkey
	(C)	Perry and Stein	(D)	Hogatt and Lockhart
	(E)	Answer not known	* * * *	
93,	The	urban planning game which traces	medi	um sized British country town is called
	(A)	PTRC	(B)	CLUG
	(C)	Wei-Hai	(D)	GO
	(E)	Answer not known		
			*	
94.	The	2 theories of residential location are		
	(A)	Trade off & Trickle down		
	(B)	Trade off & Bottom up approach		
Ľ.	(C)	Trade off & Top down approach		
		True 1 0 m 1 00		
	(D)	Filter down & Trade off		
	(D) (E)	Filter down & Trade off Answer not known		
95.	(E)	Answer not known	rapol	ating future performance from past
95.	(E)	Answer not known simplest form of simulation ext	rapol	ating future performance from past
95.	(E) The beha	Answer not known simplest form of simulation ext	rapol	ating future performance from past
95.	(E) The beha (A)	Answer not known simplest form of simulation extraviour and experience is called Futuristic projections	rapol	ating future performance from past
95.	(E) The beha (A) (B)	Answer not known simplest form of simulation extraviour and experience is called Futuristic projections Linear projections	rapol	ating future performance from past
95.	(E) The beha (A) (B) (C)	Answer not known simplest form of simulation extraoriour and experience is called Futuristic projections Linear projections Cyclic projections	rapol	ating future performance from past
95.	(E) The beha (A) (B) (C) (D)	Answer not known simplest form of simulation extraviour and experience is called Futuristic projections Linear projections Cyclic projections Non-linear projections	rapol	ating future performance from past
95.	(E) The beha (A) (B) (C) (D) (E)	Answer not known simplest form of simulation extraviour and experience is called Futuristic projections Linear projections Cyclic projections Non-linear projections Answer not known model that analyses the collective		ating future performance from past
	(E) The beha (A) (B) (C) (D) (E) The	Answer not known simplest form of simulation extraviour and experience is called Futuristic projections Linear projections Cyclic projections Non-linear projections Answer not known model that analyses the collective		
	(E) The beha (A) (B) (C) (D) (E) The called	Answer not known simplest form of simulation extraviour and experience is called Futuristic projections Linear projections Cyclic projections Non-linear projections Answer not known model that analyses the collective d		
	(E) The beha (A) (B) (C) (D) (E) The calle (A)	Answer not known simplest form of simulation extraviour and experience is called Futuristic projections Linear projections Cyclic projections Non-linear projections Answer not known model that analyses the collective d Gravity model		
	(E) The beha (A) (B) (C) (D) (E) The calle (A) (B)	Answer not known simplest form of simulation extraviour and experience is called Futuristic projections Linear projections Cyclic projections Non-linear projections Answer not known model that analyses the collective d Gravity model Spatial interaction model		

97.		an structure is the result of a com lents and facilities was stated by	muni	ty effort to overcome distance between
	(A)	Walter Christaller	(B)	A.Z. Guttenberg
	(C)	Sir Patrick Abercrombie	(D)	Baron Hausmann
	(E)	Answer not known		
98.	Dist	rict Level Planning was emphasised	by th	ne Planning Commission in :
	(A)	1st Five Year Plan	(B)	2 nd Five Year Plan
	(C)	3 rd Five Year Plan	(D)	4th Five Year Plan
	(E)	Answer not known		
99.		ossibility Theorem" that no sys	stem	meets the requirements of rational
	(A)	Banfield		
	(B)	Kenneth J. Arrow		
	(C)	Lichfield		
	(D)	Hutchinion		
	(E)	Answer not known		
100.	The by	specially designed and socially inte	grate	d model town of Victoria was proposed
	(A)	Robert Owen	(B)	Chadwick
	(C)	George Cadbury	(D)	J.S. Buckingham
	(E)	Answer not known		
101.	Decis	sion making takes place under 3 dif	ferent	conditions are
	(A)	certainty, choice, uncertainty		
	(B)	certainty, risk, uncertainty		
	(C)	certainty, preference, intuition		
	(D)	uncertainty, choice, risk		
	(E)	Answer not known		
	(-)			

102.	Identify the Value Capture Financing (VCF) tools from the following:						
	(I)	Betterment charges					
	(II)	Sale of Reserved Plots					
	(III)	Land Value Tax					
	(IV)	Tax Increment Financing (TIF)					
	(A)	(I) and (II) only	(B)	(I), (II) and (III) only			
	(C)	(I), (II), (III) and (IV) only	(D)	(I), (III) and (IV) only			
	(E)	Answer not known					
103.		그 이 경기 사람이 얼마나 가는 것이 되었다. 그는 그 그는		private land and buildings benefit fron			
		lic investments in infrastructure and	d polic				
	(A)	Value decision	(B)	Value capture			
	(C)	Value making	(D)	Value finalization			
	(E)	Answer not known					
104.	Asia	's first EPZ (Export Processing Zone	e) was	established in			
	(A)	1965 at Kandla, Gujarat	(B)	1975 at Indore, Madhya Pradesh			
	(C)	1975 at Hyderabad, Telangana	(D)	1975 at Noida, Delhi			
	(E)	Answer not known					
105.	Whic	ch one of the following does NOT be	long to	o the salient features of SEZ in India?			
	Which one of the following does NOT belong to the salient features of SEZ in India? (A) Licence required for Imports						
	(B)						
	(C)	No routine examination by the customers of export and import cargo					
	(D)	100% tax break upto 2010 u/s 10 A of the income tax act					
	(E)	Answer not known					
100	HDH	DAV:					
106.		DAY is associated with					
		(A) Preservation and development of heritage cities of India					
	(B)	Conservation of temple towns of Ir					
	(C)	Re Development of historic cities i		a			
	(D)	Identification of heritage cities of l	ndia				
	(E)	Answer not known	1 Lx				

107.		total fund allocated for AMRUT is 5–16 to FY 2019–20.	3		crore for five years	from FY
	(A)	50,000	(B)	40,000		
	(C)	1,00,000	(D)	75,000		
	(E)	Answer not known				
108.		RUT Programme will cover all cities with notified municipalities ds (Civilian Areas).				
	(A)	5 Lakh	(B)	4 Lakh		
	(C)	2 Lakh	(D)	1 Lakh		
	(E)	Answer not known				
	(a)(b)(c)(d)(A)(C)	Rajasthan Uttar Pradesh Andhra Pradesh Madhya Pradesh (a), (b), (c) and (d) (a), (b) and (c) only	(B) (D)	(a), (b) a (a) and	and (d) only (b) only	
	(E)	Answer not known				
110.	Ider	ntify the expected outcomes of JNNU	RM f	rom the f	ollowing:	
	(a)	Basic level of urban services				
	(b)	Modern and Transport budgeting				
	(c)	Introduction of e-Governance appli	catio	n in Loca	l Bodies	
	(d)	Establishment of city wide frame w	orks	for plann	ing and governance	
	(A)	(a), (b) and (c) only	(B)	(a) and	(b) only	
	(C) (E)	(b), (c) and (d) only Answer not known	(D)	(a), (b),	(c) and (d)	
	`			1		

0

111.	Reso	Sustainable transportation system ources". Choose correct statements we mentioned objective		
	(a)	by promoting fuel efficient and gree	en vehicles	
	(b)	car sharing strategy		
	(c)	encouraging the use of non motoriz	ed transportation	
	(d)	encouraging the use of private cars		
	(A)	(a), (c) and (d) only	(B) (a), (b) and (d) (only
	(C)	(b), (c) and (d) only	(D) (a), (b) and (c) of	
	(E)	Answer not known		
112.		main objective of a sustainable tra ransportation by	nsportation system is	to reduce the demand
	(A)	reducing the number of trips and r	educing the length of	travel distance
	(B)	reducing the number of trips and i	ncreasing the length o	of travel distance
	(C)	increasing the number of trips and	reducing the length of	of travel distance
	(D)	increasing the number of trips and	increase the length o	f travel distance
	(E)	Answer not known		
113.	High	ner income group travel more than lo	w income group, beca	use low income groups
	(A)	live in slum close to city centre		
	(B)	do not have the capacity to travel r	nore	
	(C)	don't prefer to travel		
*	(D)	are employed to close to their home		
	(E)	Answer not known		
	(2)			
114.	In fo	lse colour infra red photos; "red" rec	orda ago	
114.		greenish gray	nus as.	
	(A)			
	(B)	blue		
	(C)	yellow		
	(D)	greenish red		
	(E)	Answer not known		
CONTRACTOR OF STREET				

115.	In C	HS, Digital Terrain Modellling (DTM	I) enc	ompasses the following general tasks.
	(1)	Generation		
	(2)	Manipulation	*	
	(3)	Moderation		
	(4)	Interpretation		
	(A)	(1), (2) is wrong	(B)	(4) alone is wrong
	(C)	(3) alone is wrong	(D)	(1), (2), (3), (4) are correct
	(E)	Answer not known		
116.	·	——— has been developed to facil	litate	the querying of relational databases in
	GIS			
	(A)	Standard Query Language (SQL)		
	(B)	Soft Query Language (SQL)		
	(C)	System Query Logit (SQL)		
	(D)	Synchronized Query Logit (SQL)		
	(E)	Answer not known		
117.		data atmustumos do not nue	da	nyonian logational information because
111,				precise locational information because grids, as much as we divide a checker
	(A)	Vector	(B)	Raster
	(C)	Block coding	(D)	Chain coding
	(E)	Answer not known		
118.		atify the four key activities which em technologies through GIS:	can b	e enhanced by using the information
	(A)	Measurement, Mediation, Monitor	ing ar	nd Modelling
	(B)	Measurement, Mapping, Monitorin	ng and	l Modelling
	(C)	Magnification, Mapping, Monitorin	ng and	l Modelling
	(D)	Measurement, Mixing data, Monito	oring	and Mapping
	(E)	Answer not known		

119.	a molecules, giving up energy to ro				when a photon has a partially elastic collision with otation or vibration.			
	(A)	Raman	BJ			Mie		
	(C)	Non - Selective			(D)	Rayleigh		
	(E)	Answer not known						
120.	tool	(ENVI) software provides the most complete set of image processing tools and function available for land cover analysis.						
	(A)							
	(B)	(B) Energy for vision image						
	(C)	(C) Environment for vital image						
	(D)	Environment and vis	ion ir	nterpretati	ion			
	(E)	Answer not known						
121.	Mat	ch the terms in Group I	with	Group II.				
		Group I		Group II				
	P_{\perp}	Toposheet	1.	Path/Row	v			
	Q	Satellite Image	2.	Contour				
	R	Wave length	3.	Focal len	gth			
	S	Scan line	4.	Spectral	sign	ature		
			5.	Bits/Inch				
	(A)	P - 5, $Q - 1$, $R - 4$, $S -$	- 3			P-2, Q-4, R-1, S-5		
	(C)	P-5, $Q-4$, $R-2$, $S-$	- 1		(D)	P-2, Q-1, R-4, S-5		
	(E)	Answer not known						
122.	Mat	Match the following in connection with Map projects on properties:						
	(1)	Projection that retains property of maintaining correct angular correspondence that capreserved	ng		ual a	area or equivalent projection		
	(2)	Projection by which areas can be preserved	1	(b) eq.	uidis	stant projections		
	(3)	Projection by which the distance are present	rved	(c) an	gula	ar confirmity		
	(A)	1 - c, 2 - a, 3 - b				1-c, 2-b, 3-a		
	(C)	1 - b, $2 - c$, $3 - a$		((D)	1 - b, 2 - a, 3 - c		
	(E)	Answer not known						

123.	The		factor in	establishing zones in a transportation			
	(A)	Population	(B)	Location			
	(C)	Vehicle count	(D)	Land – Use			
	(E)	Answer not known					
124.	In tr	affic engineering; TRANSTT a	nd FLEXII	PROG refers to			
	(A)	computer programme	(B)	public transport systems			
	(C)	advanced para transit	(D)	mathematical programmes			
	(E)	Answer not known					
125.	Tran		rail freigh	t transport to be closely integrated is			
	(A)	multi – back	(B)	piggy – back			
	(C)	modal split	(D)	dual back			
	(E)	Answer not known					
126.	The	average headway distances bet	ween cycle	es when moving in groups should be			
	(A)	1.5 m	(B)	1 m			
	(C)	2 m	(D)	0.5 m			
	(E)	Answer not known					
127.	base			e Traffic Engineering hand book for the speed survey, when vehicle is travelling			
	(A)	81 m	(B)	78 m			
	(C)	84 m	(D)	87 m			
	(E)	Answer not known					
128.	In ve	In vertical curve classification; at change of grade; the sag valley is also referred to as					
*)	(A)	Sag crest	(B)	Sag curve			
	(C)	Sag trough	(D)	Sag point			
	(E)	Answer not known					
128.	as (A) (C)	Sag crest Sag trough	change of (B) (D)	Sag curve			

- Width of carriage way for single lane road as per Indian Roads Congress is (A) 3.75 m
 - (B) 4.75 m

(C) $5.75 \, \mathrm{m}$

(D) 6.0 m

- (E) Answer not known
- In a road having 'n' number of lanes and l length of the curve, and r radius of the curvature, the total mechanical widening is
 - $(A) W_m = \frac{nl^2}{2R}$

(B) $W_m = \frac{nl}{2R}$

(C) $W_m = \frac{nR}{2l^2}$

(D) $W_m = \frac{nR}{2I}$

- (E) Answer not known
- 131. Braking distance (l) at the design speed of V m/sec will be

(B) $l = \frac{V}{2gf}$

(C) $l = \frac{V^2}{\sigma f}$

(D) $l = \frac{V^2}{2f}$

- (E) Answer not known
- The time interval between the passing of the reference line by 2 successive vehicles 132. in a lane of traffic is called as:
 - (A) Slack

(C) Float

- Answer not known (E)
- 133. In Traffic and Transportation Planning, ADT refers to
 - (A) **Annual Daily Traffic**
 - Adjusted Daily Traffic (B)
 - Average Daily Traffic
 - (D) **Adjunct Daily Traffic**
 - (E) Answer not known

134.	Beta	distribution, a typical type of p	robability	distribution fits well for:				
	(A)	CPM analysis	(B)	PERT analysis				
	(C)	SWOT analysis	(D)	SWOC analysis				
	(E)	Answer not known						
135.	In a	project, square root of sum of va	riance al	ong critical path is called				
	(A)	standard deviation	(B)	variance				
	(C)	slack	(D)	float				
	(E)	Answer not known						
136.		difference between the Latest St	tart Time	(LST) and Earliest Start Time (EST) o				
	(A)	Precedence	(B)	Critical difference				
	(C)	Float	(D)	Flamboyance				
	(E)	Answer not known						
137.	Programmes and projects with strong monitoring and evaluation component to							
	(A)	stay on track	(B)	get delayed				
	(C)	involves more cost	(D)	get incentives				
	(E)	Answer not known						
138.	The	ratio of net sales and average to	tal assets	is				
	(A)	Total assets turnover	(B)	Fixed assets turnover				
	(C)	Debtor's turnover	(D)	Inventory turnover				
	(E)	Answer not known						
139.	The most common methods of shortening the payback period and increasing the required rate of return is							
	(A)	risk adjustment						
	(B)	risk assessment						
	(C)	benefit cost ratio						
	(D)	net present value						
	(E)	Answer not known						

	investment belongs the	non-disc	counting criteria.
(A)	Net present value	(B)	Benefit cost ratio
(C)	Internal rate of return	(D)	Accounting rate of return
(E)	Answer not known		
	ectives issued by the owner to tures within the scope of work is o		the contract by adding or subtracting
(A)	change order	(B)	mutual concern
(C)	change directives	(D)	adjust directives
(E)	Answer not known		
tow	ns which have become obsolete a ay.		of rebuilding of core area of cities and doned or are in a state of considerable
(A)	Urban reconstruction	(B)N	Urban renewal
(C)	Urban restoration	(D)	Urban conservation
(E)	Answer not known		
	following is to develop a plan tearch godowns and other long-live		in buildings, machineries, equipments
(A)	capital budgeting process	(B)	capital structure
(C)	capital management	(D)	working capital management
(E)	Answer not known		
	per Tamil Nadu Real Estate (I istration fee shall not be Levied f		n and Development) Rules, 2017, the the following:
(a)	Tamil Nadu Slum Clearance Bo	ard Deve	eloped projects.
(b)	Affordable Housing Projects of t	he Tamil	Nadu Housing Board.
(c)	Affordable Housing Projects by	Tamil Na	adu State Co-operative Society.
(A)	(a), (b) and (c)		
(B)	(a) and (c) only		
(C)	(a) and (b) only		
(D)	(b) and (c) only		
(E)	Answer not known		

145.	Metr as pe	— lakhs or more					
	(A)	25	(B)	20			
	(C)	15	(D)	10			
	(E)	Answer not known					
146.		tify the Constitutional Amendme stitutional status to Panchayat Raj			which provides		
	(A)	71st Amendment, 1992	(B)	72 nd Amendment, 199	2		
	(C)	73 rd Amendment, 1992	(D)	74th Amendment, 199	2		
	(E)	Answer not known					
147.	Emir	Eminent Domain provides powers to the Government to					
	(A) Acquire the land for private developers						
	(B) Take the private property and convert it to public use						
	(C)	Forcible land acquisition for devel					
	(D)	To acquire economic freedom					
	(E)	Answer not known					
148.		oer the TNULB Act, 1998 (Tami wing shall NOT be the function of the			s) which of the		
	(A)	Protection of public ponds and fou	ntain	s			
	(B)	Destruction of stray dogs					
	(C)	Mosquito control					
	(D)	Maintenance of Educational Instit	tution	is	*		
	(E)	Answer not known					
149.	The	land contained in get back of the pr	operty	v belongs to			
- 10.	(A)	Owner -					
1,4	(B)	State Government	*				
	(C)	Local body					
	(D)	Central Government	2 1 12				
	(E)	Answer not known					
	\ <u></u>						

150.	reha	Under the Right to fair compensation and transparency in land acquisition rehabilitation and resettlement act, 2013, acquired land can be returned to origina owners if the state so decides with the constitution that land is not used within years in accordance with the purpose for which it is acquired.					
	(A)	3 Years	(B)				
	(C)	20 Years	(D)	5 Years			
	(E)	Answer not known					
151.		tify a country from the following w	vhich	has no National – Level Legislation fo			
	(A)	Germany	(B)	United States			
	(C)	United Kingdom	(D)	India			
	(E)	Answer not known					
152.		over leaf interchange, is a —————		g interchange with a single structure.			
	(A)		(B)				
	(C)	5	(D)	6			
	(E)	Answer not known					
153.	Identify the Non Planning Control tool from the options given below:						
	(A) ·	Development control regulation	(B)	Land-use control			
	(C)	Facade control	(D)	Building byelaws			
	(E)	Answer not known					
154	Dame	. C	· · · · · · · · · · · · · · · · · · ·				
154.		Control act is one of the main factor		Rural deterioration			
	(A)	Urban decay	(B)				
	(C) (E)	Urban deformation Answer not known	(D)	Urban growth			
	(E)	Answer not known					
155.	The	primary goal of financial managem	ent is				
	(A)	maximize the value of the firm	(B)	minimize the labour			
	(C)	minimize the value of the firm	(D)	working capital management			
	(E)	Answer not known					

156.	Minimum velocity ofm/sec should be maintained in case of separa sewers for present peak flow.						
	(A)	0.6	(B)	0.7			
	(C)	0.8	(D)	0.9			
	(E)	Answer not known					
157.	Char	nge in direction of a sewer is genera	lly ma	ade at			
	(A)	Flushing tank	(B)	Man hole			
	(C)	Siphon	(D)	Head room			
	(E)	Answer not known					
158.	Wate	er treatment units have a design pe	riod o	f years.			
	(A)	30	(B)	15			
	(C)	50	(D)	70			
	(E)	Answer not known					
159.		ts should be made to reduce the workingency provision of	— to 1	osses in transmission and distribution be made to account for the losses. 30% 40%			
160.	Facto		antity	of water required for water supply			
	(A)	rate of demand	(B)	quantity of rainfall			
	(C)	catchment area	(D)	types of treatment plant			
	(E)	Answer not known					
161.	Salve	aging means					
TOT.	(A)	ignig means					
	1.71	Dumping of solid wasts	(R)	Sanitary land filling of colid waste			
		Dumping of solid waste	(B)	Sanitary land filling of solid waste			
	(C) (E)	Dumping of solid waste Composting and soil conditioning Answer not known	(B)	Sanitary land filling of solid waste Extraction of materials from waste			

102.		is provided at the top e	nd of share to allow the escape of sewe	r gases.			
	(A)	Flexible rod	(B) Surface drain				
	(C)	Cowl	(D) Mechanical tool				
***	(E)	Answer not known					
163.		atify the water distribution lay	out system, where the mains, sub-	mains and			
	(A)	Dead-end system	(B) Tree system				
	(C)	Two pipe system	(D) Grid-iron system				
	(E)	Answer not known					
164.	Advocates of the ———————————————————————————————————						
	(A)	Healthy	(B) Eco				
	(C)	Core	(D) Compact				
	(E)	Answer not known					
165.	EIA is defined as						
+4	(A)	A report written by governmen	t agencies on the planned developmen	it impacts			
	(B)	Project lifecycle assessment					
	(C)	Systematic identification and	valuation of impacts				
	(D)	Document given for environme	ntal clearance				
	(E)	Answer not known		#1 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			
166.	Name the law that enforces the control of noise level in India.						
	(A)	Noise Pollution (Regulation an	d Control) Rules 2000				
	(B)	Pollution Control Act 1993					
	(C)	Noise Control Rule 2012					
	(D)	Environmental noise control a	t 1998				
	(E)	Answer not known					

167.	The	ne main causal organism of biological polluti	on are
	(i)	air borne micro-organisms	
	(ii)) pathogenic bacteria	
	(iii)	i) viruses	
	(iv)) parasite	
	(A)) (i) and (ii) (B)	(ii) and (iii)
	(C)	(D) (i), (ii) and (iii)	(i), (ii), (iii) and (iv)
	(E)	Answer not known	
168.	Eut	trophication of lakes is due to the enrichme	nt of
	(A)) chlorides	
	(B)	phosphates and nitrates	
	(C)) sulphates	
	(D)) nitrates	
	(E)	Answer not known	
169.	Age	ent responsible for ecological imbalance is	
	(A)) Carnivores	
	(B)	Anthropos intervention	
	(C)	Herbivores	
7	(D)) Environmental pollution	
	(E)	Answer not known	
1 70.	pers	entify the act formulated by the Indian Goversons affected by accidents occurred due to d for matters connected therewith or incider	handling of any hazardous substance
	(A)	Air (Prevention and Control of Pollution)) Act
	(B)	Public Liability Insurance Act	
	(C)	The Biological Diversity Act	
	(D)	Environmental (Protection) Act	

(E)

Answer not known

111.		m and waste disposal liners:	, the	meorrect statement regarding land ini
	(A)	Land fill for hazardous waste disp have low chemical resistance flexib		should be designed with liners which and low permeability
	(B)	Durability		
	(C)	Able to withstand climatic conditio	ns	
	(D)	Withstand the stress of daily opera	tions	
	(E)	Answer not known	* A*-	
172.		of non-living components of envir	ronm	ent that includes landforms, climate,
	(A)	Physical Environment	(B)	Cultural Environment
	(C)	Biological Environment	(D)	Cognitive Environment
	(E)	Answer not known		
173.	Parts called (A)		(B) (D)	and services needed by Anthropos are Environmental science Environmental elements
	(E)	Answer not known	/	
174.		ng air pollutants — recles of microscopic size in gaseous m		to the dispersion of solids or liquid such as smoke, fog or mist. Mists
	(C)	Fumes	(D)	Fog
	(E)	Answer not known		
175.	As pe	r URDPFI guidelines, one LPG gode	own c	ases to a population of
	(A)	40,000 to 50,000		
	(B)	80,000 to 1,00,000		
. 1	(C).	5,000 to 10,000		
	(D)	12,000 to 15,000		
	(E)	Answer not known		

176.		the principle of economics identi litions for operating the multiplier	fy on	e indicator wl	nich is not required a			
	(A)	Existence of voluntary unemploy:	ment					
	(B)	Existence of industrialized econor	my					
	(C)	Existence of excess capacity in co	nsume	er goods industr	ries			
	(D)	Existence of an elastic supply of	apital					
	(E)	Answer not known						
177.	An e	xample of non-renewable energy so	urces	is				
	(A)	Hydropower						
	(B)	Wind						
	(C)	Solar						
	(D)	Coal						
	(E)	Answer not known						
178.	When increased dose of labour and capital in production yield the same returns as before ————— is said to operate							
	(A)	Law of diminishing return	(B)	Law of consta	nt returns			
•	(C)	Law of increasing return	(D)	Law of indivis	sibility return			
	(E)	Answer not known						
÷								
17 9.	and sector	disputed the notion of con- argued that residential areas could ors						
Y '.	(A)	Burgers	(B)	Hoyt				
	(C)	Harris and Ullman	(D)	Weber				
	(E)	Answer not known						
180.		ial configuration of economic activi sing types of forces that is agglome			a process involving two forces			
	(A)	Centripetal	(B)	Dispersion				
	(C)	Pressure	(D)	Hydraulic				
	(E)	Answer not known						
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181.	IRDI	P stands for							
	(A) Induced Rural Development Programme								
	(B)	Integrated Riparian Development Programme							
	(C)	(C) Internal Riparian Development Programme							
	(D) Integrated Rural Development Programme								
	(E)	Answer not known							
182.	The areas characterized by substandard housing conditions within a city are known as the								
	(A)	Slums	(B)	Squatter					
	(C)	Cluster	(D)	Concentric					
	(E)	Answer not known							
183.	100	first person to evolve an elabor erned with trends of direction of		ry of "the law of migration" which was					
	(A)	Ravenstein	(B)	Mckenzie					
	(C)	Cooley's	(D)	Mckenvle					
	(E)	Answer not known							
184.		al stratification refers to the pre above the other in terms of factor		distinct social groups which are ranked s————————————————————————————————————					
	(A)	Prestige and wealth	(B)	Common interest and identity					
	(C)	Identity and power	(D)	Prestige and interest					
	(E)	Answer not known							
185.	Hier	archy of central places in a Metr	opolitan :	region is as follows					
	(a)	District centre							
	(b)	Multi-district centre							
	(c)	Metropolitan city							
	(d)	Sub regional centre							
	(e)	Mandi centre							
	(f)	Rural service centre	(D)						
	(A)	(c), (d), (b), (a), (e), (f)	(B)	(a), (b), (c), (d), (e), (f)					
	(C)	(d), (c), (a), (b), (e), (f)	(D)	(b), (a), (c), (d), (e), (f)					
	(E)	Answer not known							

100	Dominial	direcusitivia	accomticil	L	L
100.	negional	diversity is	essentian	y causeu	Dy

(A) Per capita income

- (B) Natural Resource base
- (C) Industrial and park development (D) Levels of urbanization
- (E) Answer not known

187. The techniques usually employed in actual delineation of functional regions are

- (a) The flow analysis
- (b) The gravitational analysis
- (c) Regression analysis
- (d) Equilibrium analysis
- (A) (a) and (b)
- (B) (a), (b) and (c)
- (C) (a), (b), (c) and (d)
- (D) (b) and (c)
- (E) Answer not known

188. Concept of region is

- (A) A region is a flexible concept, referring to a continuous area.
- (B) A region is a planning of an area's physical structure-land use, communication's etc.,
- (C) A region is a flexible concept, referring to a continuous and localized area intermediate between national and urban levels.
- (D) A region is an economic structure of an area and its overall level of prosperity.
- (E) Answer not known

189. One of the following is not part of "five great industrial areas" gives in imperial Gazettee in 1903-04

- (A) Bengal and Assam
- (B) Northern India
- (C) Burma
- (D) Central India
- (E) Answer not known

			and the street of		the state of the	
100	A	1	41.		aftadia	2011
190.	A statutory	town as	per the	census	or mara,	2011
A VICTOR OF THE						

(A) It is a place with a minimum population of 5000

(B) It is a place with municipality, corporation cantonment board or notified town area committee

- (C) It is a place with a population density of at least 400 persons/sq.km
- (D) It is a place with predominant agriculture area
- (E) Answer not known

191. Match the concepts in Group I with their corresponding author in Group II

Group II Group I Proxemics theory 1. Gordon Cullen (a) Edward T. Hall (b) Serial vision 2. Imageability Oscar Newman 3. (c) Paul Zucker (d) Defensible space 4. 5. Kevin Lynch (b) (c) (d) (a) 1 5 3 (B) 2 1 3 4 2 (C) 4 1 5 5 1 (D) 3 Answer not known (E)

192. The Master plan of Chandigarh was designed for an initial population of

(A) 1.5 lakhs

- (B) 2 lakhs
- (C) 1 lakh
- (D) 3 lakhs
- (E) Answer not known

193.	The deno	"End-means" concept of PPBS (Planning - Programming - Budgeting System) otes
	(A)	Problems – Solutions
	(B)	Objectives – Resources
	(C)	Goals - Resources
	(D)	Objectives - Solutions
	(E)	Answer not known
194.	the l	are the potential towns for investment and development identified on pasis of their inter-aerial relationship with the regional nodal centre.
	(A)	Growth centres / points
	(B)	Priority towns
	(C)	Satellite towns
	(D)	Counter magnets
	(E)	Answer not known
195.		measure of association between variables using the concept of "between ples" and "within samples" is called as
	(A)	Correlation analysis
	(B)	Matrix analysis
	(C)	Regression analysis
	(D)	Analysis of variance
	(E)	Answer not known
196.		technique that establishes certain boundaries for economic growth calculation in range land use planning is called
	(A)	Cost Benefit analysis
	(B)	Urban threshold analysis
	(C)	Cost effectiveness analysis
	(D)	Central Border analysis
	(E)	Angree not known

Homogeneous and Heterogenous Parametric and Non Parametric Answer not known he provision and location of education of many and	(B) (D)	Occurrence and Non occurrence Progression and Regression
E) Answer not known he provision and location of education		Progression and Regression
he provision and location of education		
imponents of	al fa	acilities is largely dependent upon the
Movement survey	(B)	Population survey
C) Shopping survey	(D)	Housing survey
E) Answer not known		
he basic elements of a Development Pla	n are):
Land use		
Circulation		
Utilities, services and facilities		
Civic design		
Open spaces		
Special problems		
1, 2, 3, 4, 5, 6		
3) 1, 2, 3, 4, 5		
C) 1, 3, 5, 6		
0) 1, 4, 5, 6		
E) Answer not known		
ittel & Webber have called the kinds of	prob	lems with which planning must deal as
A) Realistic problems		
3) Crucial problems		
C) False problems		
Wicked problems		
E) Answer not known		
3 C C C C C C C C C C C C C C C C C C C	1, 2, 3, 4, 5 1, 3, 5, 6 1, 4, 5, 6 Answer not known ttel & Webber have called the kinds of Realistic problems Crucial problems False problems Wicked problems	 1, 2, 3, 4, 5 1, 3, 5, 6 1, 4, 5, 6 Answer not known ttel & Webber have called the kinds of prob Realistic problems Crucial problems False problems Wicked problems

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