



1.	The Agulhas current flows in:A)Indian OceanB)Pacific OceanC)Atlantic OceanD)Arctic Ocean						
2.	Who defined Geography as human ecology? A) Humboldt B) Barrows C) Dickinson D) Hartshorne	;					
3.	 Which type of scattering takes place from clouds? A) Rayleigh scattering B) Crompton Scattering C) Raman scattering D) Mie scattering 						
4.	Nathu La pass connects:A)Sikkim to TibetB)Jammu Kashmir with North plainsC)Srinagar to LehD)Sikkim to Arunachal Pradesh						
5.	Hydraulic slope theory was given by:A)C. DarwinB)W. PenckC)R.E. HortonD)W. M. Davis						
6.	The bars which are parallel to the coast but are not attached to land:A)Bayhead barB)Onshore barC)Offshore barD)Spit						
7.	Identify the Wildlife sanctuary located on the southern Delhi Range of the Aravalle Range: A) Gajner sanctuary B) Asola Bhatti sanctuary C) Kaila devi sanctuary D) Bandh Bharatha sanctuary						
8.	Among the following, who is known as the "Heredotus of the Arabs": A) Al Idrisi B) Ibnsina C) Al Biruni D) Al Masu'di						
9.	The Infra-red wavelength of electromagnetic radiation lies between : A) 0.4 and $0.7\mu m$ B) 0.7 and $1.3\mu m$ C) 0.7 and $14\mu m$ D) 0.1mm and 1m						
10.	 The author of "Geography and Politics in a World Divided": A) John Angrew and Luca Muscerva B) Alexander Nickolaievich C) Geoffrey Parker D) Saul Bernard Cohen 						

11.	List I (Model)List II (a. Economic Landscape1. W.W.	ist Losch tlesey					
		-2, b -4, c-3, d -1 -4, b -3, c -2, d -1					
12.	A) C. Darwin B) R	B) R. A. Harris					
13.	 The Ocean route which is the most important and busiest route in the world: A) The Cape Route B) North Pacific Route C) South Atlantic Route D) North Atlantic Route 						
14.	The largest producer of wind energy in Ind A) Karnataka B) Tamil Nadu C						
15.	The process responsible for the weathering of rocks in a Karst region: A) Oxidation B) Hydrolysis C) Carbonation D) Screeformation						
16.	 Assertion [A]: The monsoon of southern and eastern Asia driven by the location, size of its landmass and proximity to Indian Ocean. Reason [R]: The wind and upper pressure patterns in the upper air circulation are associated with the generation of monsoon flows. 						
	 A) Both [A] and [R] are false B) Both [A] and [R] are true and [R] is the reason for [A] C) [A] is true but [R] is not the reason for [A] D) [A] is false but [R] is true 						
17.	Who among the following is credited with incorporation of the concept of geographical space in the Growth Pole Theory?A) Bourdeville B) A. Losch C) Myrdal D) Friedman						
18.	a. The Banihal pass1b. The Bara Lacha La pass2c. The Jelap La pass3	ist II (State/UT) . Uttarakhand . Sikkim . Jammu&Kashmir . Himachal Pradesh					
	, , , , , , , , , , , , , , , , , , , ,	-3, b-1, c-4, d-2 -3, b-4, c-2, d-1					

- 19. The most common weather phenomenon in the troposphere during winter nights with clear sky and feeble wind:
 - A) Jet streams B) Lightning
 - C) Snowfall D) Inversion of temperature

20. Which one of the following stages indicate the initiation of population explosion in the demographic transition?

- A) Stage-I B) Stage-II C) Stage III D) Stage- IV
- 21. The process of occlusion is linked with :
 - A) Precipitation B) Formation of clouds
 - C) Condensation D) Tropical Cyclones
- 22. The idea of seafloor spreading was developed from studies conducted across :
 - A) Pacific Ring of Fire B) Mid-Atlantic Ridge
 - C) Carlsberg Ridge D) Mid-Indian Ocean Ridge

23. Identify the correct statements related to Myrdal's cumulative causation theory:

- 1. Myrdal contended that regional disparities arise as a natural consequence of economic development and are the unavoidable outcome of market forces
- 2. Both descriptive and prescriptive are Myrdal's pre-conditions for take-off
- 3. On one end, there will be an industrially expanding region, while on the other, a stagnating or declining region
- 4. Myrdal envisaged four stages in the growth of space economy
- A) 1 & 3 only B) 2 & 4 only C) 2, 3 & 4 only D) 1, 2, 3 & 4

24. Who among the following attempted to construct a world map on scale?

- A) Ptolemy B) Hipparchus
 - C) Anaximinder D) Strabo
- 25. The specific type of scattering that occur when the particle size is nearly 8 10 times more than the wave length of the incoming radiation :
 - A) Non-selective scattering B) Back scattering
 - C) Mie scattering D) Rayleigh scattering
- 26. Identify the longest stretch of Himalayas from the following:
 - A) Assam Himalayas between Teesta and Brahmaputra.
 - B) Nepal Himalayas between Kali and Teesta.
 - C) Punjab Himalayas between Indus and Sutlej.
 - D) Kumaon Himalayas between Sutlej and Kali.
- 27. COMPASS is a satellite system developed by:
 - A) Russia B) India C) China D) France

28. The highest waterfall in India among the following is:

- A) Lodh falls B) Thoseghar falls
- C) Palani falls D) Kunchikal falls
- 29. The Union Territory with maximum population in India as per 2011 Census:
 - A) Chandigarh B) Puducherry
 - C) NCT of Delhi D) Jammu and Kashmir
- 30. The Agro-Ecological zones in India where oilseeds are widely cultivated:
 - A) Southern Plateau and Hills region
 - B) Gujarat plains and Hills region
 - C) Western Dry region
 - D) Central Plateau and Hills region
- 31. The concentric zone theory to illustrate the growth pattern of cities was developed by: A) H.Hoyt B) C. K. Ziff C) E.W Burgess D) C.D. Harris
- 32. The "Great Steppe" is found in:
 - A) Eastern Europe and Central Asia
 - B) Patagonia in South America
 - C) Great Basin region in U S
 - D) North-Central Africa
- 33. Which among the following is **not** an effect of El Nino?
 - A) It lowers the temperature of water on the Peruvian coast
 - B) It causes irregularities in the evaporation of sea water
 - C) It causes distortion in atmospheric equatorial circulation
 - D) It reduces the number of fishes in sea
- 34. Which following part of India comes under Cfa type of climate as per Koppen's Climatic Classification?
 - A) Northern Plains
 - B) Eastern Himalayan region
 - C) Western Himalayan region
 - D) North-east India
- 35. The word 'Conurbation' was first used by:
 - A) Petric Geddes B) Harold Carter
 - C) R.R. Mayers D) Grifth Taylor
- 36. Who postulated that industries will be located where maximum profit is achievable, rather than where costs are lower?
 - A) Alfred Weber B) D. Ricardo
 - C) Von Thunen D) A. Losch

37.	The headquarter of East- central Railway is:A)BhubaneswarB)HajipurC)KolkataD)Gorakhpur						
38.	The River to which 'Lokapavani' is a tributary: A) Godavari B) Cauveri C) Narmada D) Mahanadi						
39.	Author of the book "New Exploration – A Philosophy of Regional Planning": A) Hirchmann B) E. Ahmed C) R.P. Misra D) B. Mackaye						
40.	Trade winds blow from:A)Equatorial low PressureB)Sub-polar low pressureC)Sub-tropical high pressureD)Polar high pressure						
41.	Who among the following opined that 'Geography is the art of mappable'?A) Schafer B) Ackerman C) Peter Hagget D) J. Bruhnes						
42.	The 'Great Barrier Reef' is located in: A) Soloman sea B) Arafura sea C) Coral sea D) Bismarck sea						
43.	A defined zone or area created around or within a geographic feature such as point, line, or polygon:A) Buffer B) Resolution C) Pixel D) Re-classification						
44.	The Rimland theory was formulated by:A)Mackinder B)SpykmanC)UllmanD)Zipf						
45.	The type of glacier form in a sloping valley between rock walls is glacier.A)FirnB)AlpineC)ContinentalD)Piedmont						
46.	Choose the cloud that forms a mackerel sky:A)AltostratusB)CirrostratusC)AltocumulusD)Cirrocumulus						
47.	Assertion [A] : Siefs are formed due to the depositional action of wind.Reason [R] : Siefs are the products of fluvio-marine action.						
	 A) Both [A] and [R] are true and [R] is the correct explanation of [A] B) Both [A] and [R] are true but [R] is not the correct explanation of [A] C) [A] is true but [R] is false D) [A] is false but [R] is true 						
48.	Calculate the scale of an areal photograph taken from a flight at a height of 2.5km above mean sea-level using a camera having a focal length of 148mm and the average ground elevation is 400 m above mean sea-level: A) 1:14,187 B) 1:150,000 C) 1:141,870 D) 1:10,000						

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49. Choose the correct sequence of the tributaries of the Indus River from north to south: A) Jhelum, Sutlej, Chenab, Ravi, Beas B) Sutlej, Jhelum, Chenab, Ravi, Beas C) Jhelum, Chenab, Ravi, Beas, Sutlej Jhelum, Chenab, Ravi, Sutlej, Beas D) 50. The transition zone between two ecosystems: A) Biome B) Biotope C) Habitat D) Ecotone 51. The term 'swash' denotes: The forward movement of sea water up the beach after a wave breaks A) The backward movement of sea water at the beach after a wave breaks B) The oblique movement of the sea water at the beach after a wave breaks C) The sideward movement of sea water up the beach after a wave breaks D) 52 Match List I with List II: List I (Countries) List II (Iron-ore producing areas) a. Brazil 1. Measbi Range 2. Seigarland vallev b. France c. Germany 3. Lorrain 4. Minas Gerasis d. USA A) a -1,b-2,c -4, d -3 B) a -2, b -1, c-3, d -4 a -4, b -3, c -2, d -1 a -1, b -4, c -3, d -2 D) C) 53. A modified form of polyconic projection is ----- Projection. Mollweide B) Mercator C) Bonne's D) International A) 54. Which of the following groups of rivers has Amarkantak as their source? Chambal, Betwa, Luni Godavari, Krishna, Kaveri A) B) Narmada, Krishna, Wainganaga Son, Mahanadi, Narmada D) C) Who among the following is given the credit of developing a climograph? 55. Taylor Critchfield Miller D) Trewartha A) B) C) Which of the following is most suitable to show the unequality in the distribution? 56. Lorenz curve Bargraph A) B) C) Circle diagram D) Isopleth 57. The profile of a river suitable to show waterfall is: Cross profile Longitudinal profile A) B) Hypsometric curve Superimposed profiles C) D) 58. The term 'Geopolitics' was coined by: Kjellen B) Sauer C) D) A) Mackinder Hoover

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59.	The ethnic group 'Bhils' are found A) Punjab B) Karnat		C) Orissa D) Rajastan				
60.	,	ndia: B) D)	B) Indo-European				
61.	A) Zenithal	id-latitude area better is projections.B) ConicalD) Modified cylindrical					
62.	The rocks which is generally found A) Granite B) Pegma		ne island-arcs: C) Andesite D) Limestone				
63.	, e	B) D)	Piedmont zone Plateaus				
64.	ý E	ersed ru B) D)	Western Rajasthan				
65.	a. Herodotusb. Ptolemyc. Al-Biruni	List II (Thrust) 1. Trignometry 2. Geocentric theory 3. Indian culture 4. Historical narrative					
	A) a -4, b -2, c -3,d -1 C) a -2, b -1, c -4, d -3	B) D)	a -1, b -4, c -2, d -3 a -4, b - 1, c -3, d -2				
66.	 Identify the correct characteristics of Pastoral nomadism among the following: Pastoral nomadism is the dominant form of economic activity Maintenance of herds all year round on a system free range grazing with stables. The orientation of production is commercial Migratory way of life in contrast to settle way of life of agriculturalists. 						
			1, 2 & 4 only 2 & 3 only				
67.	The contour interval of a SOI topo metres. A) 10 B) 20	ographi	ic map bearing the number 47P/11 SW is C) 50 D) 100				

68.	Arrange the following ge 1. Cambrian 2. Creta	ls in correct chrono . Ordovician					
	A) 1, 4, 3, 2 B)	1, 3, 4, 2	C) 2,4,3,1	D)	4,2,3,1		
69.	Which type of compositehigh or relatively narrowA) HottentotsC) Polynesian		÷	and yello			
70.	Match List I with List II: List I (Trade Bloc) a. SAARC b. EFTA c. EU d. CEMAC	1. Go 2. Bi 3. Ba 4. Ka	I (Headquarter) eneva, Switzerland russels, Belgium angui, Central Afric athmandu, Nepal	can Repu	ıblic		
	A) a-4, b-2, c-1, d-3 C) a-4, b-1, c-2, d-3		a-1, b-2, c-3, d-4 a-1, b-4, c-3, d-2				
71.	The warm, dry wind simil United States :	ar to foehn, tha	at move down the s	lopes of	mountains in the		
	A) Mistral B)	Santa Anna	C) Chinook	D)	Fall wind		
72.	Primary ecological succession are visible in:A)New Volcanic islandsB)BeachesD)Flood plains						
73.	The national highway wh A) NH 244 B)	iich connects K NH 19	Cundanoor and Will C) NH 544	ingdon i D)	sland in Kochi: NH 966 B		
74.	 A continuous urban spread constituting a town and its adjoining outgrowths or two or more physically contiguous towns with or without outgrowths of such towns is called: A) Megalopolis B) Urban Agglomeration C) Conurbation D) Mega city 						
75.	Among the following which is not a downstream project of Indirasagar dam multipurpose project: A) Parbati B) Omkareswar						
	C) Sardarsarovar	D)	Maheswar				
76.	 Identify the statement which is most suitable for hot spots in Biodiversity region: A) Abundant existence of plants and animals B) Richest and most threatened reservoirs of plants and animals C) Sparse distribution of plants and animals D) Optimal distribution of plants and animals 						

- 77. Identify the characteristics which are **not** true with regard to polar orbiting satellites:
 - 1. They cover each area of the earth at constant local time
 - 2. Placed in orbit at a distance of about 36,000km
 - 3. They view the same portion of the earth all the time
 - 4. Constantly circle the Earth in an almost north south orbit.
 - A) 1 & 2 only B) 2 & 3 only C) 1,3 & 4 only D) 1, 2, 3 & 4

78. The model based on the understanding of human ecology:

- A) Concentric zone model of Burgess
- B) Innovation Diffusion model of Haggerstrand
- C) Location model of Weber
- D) Mobility Transition model of Zelinsky
- 79. The type of climate which is lesser in extent in the southern hemisphere:
 - A) Steppe B) Mediterranean
 - C) Taiga D) Tundra
- 80. Which of the following is **not** correct about Koppen's climate classification?
 - A) BS Dry desert climate
 - B) Af Tropical Humid climate
 - C) Cfb Marine West Coast climate
 - D) ET Tundra Climate

A)

- 81. Among the following which do **not** cause regional imbalances:
 - Lack of resources B) Lack of technology
 - C) Sustainable development D) Uneven distribution of resources
- 82. In Rank-Size Rule the population of lower rank city is proportional to:
 - A) Population of largest city B) Population of smallest city
 - C) Population of CBD D) Number of working population

83. The philosophical view hold that man is responsible for making his own nature is:

- A) Positivism B) Existentialism
- C) Pragmatism D) Idealism
- 84. The driest desert in the world is:
 - A) Patagonia B) Sahara
 - C) Atacama D) Great Australian Desert
- 85. According to Lewis Mumford, the stage of highest growth of a town in which signs of decline are also seen :
 - A) Eopolis B) Metropolis C) Megapolis D) Necropolis
- 86. Which one of the following is **not** a part of spatial information technique?A) MATLAB B) ERDAS C) GPS D) ILWIS

87.	Match List I with List II: List I (Settlements /Hamlets) a. Nucleated b. T-shaped c. Fan shaped d. Dispersed	 List II (Description) Remote and inaccessible areas Rich agricultural plain areas Junction of village road with Highway Converging at religious centres 				
	A) a -4,b- 1,c -2, d -3 C) a -4, b -3, c -2,d -1	B) a -3, b -4, c-1, d -2 D) a -2, b -3, c -4, d -1				
88.	The city famous for glass industrA) ChennaiC) Visakhapatnam	ies in India: B) Firozabad D) Agra				
89.		focus attention on the diverse phenomenon that occurse of the earth", the statement was forwarded by:B) Immanuel KantD) Ritchthofen				
90.	Match List I with List II: List I a. Concept of Peneplain b. Tetrahedral Hypothesis c. Geosynclinal Orogen theory d. Dynamic equilibrium theory	List II 1. Kober 2. J.T. Hack 3.Lowthian Green 4. W.M. Davis				
		B) a -2, b -3, c -4, d -1 D) a -4, b -3, c -2, d -1				
91.	The oldest mountain range in IndA) Western GhatsC) Aravalli Range	ia: B) Eastern Ghats D) Satpura Range				
92.	A regional character and specificPerroux was given by:A) MyrdalC) Boudeville	geographic content to the growth pole theory ofB) August LoschD) A.O. Hirchman				
93.	The first five year plan in India was launched on:A)April 1951B)December 1951C)April 1950D)December 1950					
94.	Arrange the States in descending 1. Uttar Pradesh 2. Rajasthar	order in terms of area under wheat cultivation: n 3. Madhya Pradesh 4. Punjab				
	A) 1,4,2,3 B) 2,1,4	A,3 C) 1,3, 4,2 D) 4,1, 2,3				

- 95. The industrial region known as the 'Ruhr of India':
 - A) Hoogly industrial region B) Bangalore industrial region
 - C) Vadodara industrial region D) Plateau industrial region
- 96. Which among the following is **not** true with respect to vector data?
 - A) It is discrete in nature
 - B) It is simple data
 - C) It stores data in line, point and polygons
 - D) It uses 'X' and 'Y' coordinates to define geographic elements.
- 97. The climatic condition which expedite chemical weathering:
 - A) Cold and dry B) Hot and dry
 - C) Cold and humid D) Hot and humid
- 98. Identify the correct sequence in the erosion of a headland:
 - A) Headland, stack, bay, arch, stump
 - B) Headland, arch, cave, stack
 - C) Headland, stump, stack, cave
 - D) Headland, cave, arch, stack
- 99. According to Thornthwaite's Thermal efficiency calculation, Thermal Index value between 32 and 63 indicates the thermal province of:
 - A) Sub-tropical B) Taiga C) Temperate D) Tundra
- 100. Arrange the provided representations of cultural units from highest to lowest order:1. Trait2. Complex3. Realm4. Region
 - A) 2, 1, 3, 4 B) 3,4, 2, 1 C) 3, 2, 1, 4 D) 2, 3, 4, 1
- 101. The discontinuity which separates the Crust and Mantle of the earth is ---- discontinuity.
 - A) Conard B) Lehman C) Mohorovicic D) Guttenberg
- 102. Who postulated that the 'Earth's crust is a more rigid shell floating on a more rigid liquid substratum of greater density'?A) J.H. Pratt B) C. Dutton C) J. Pickard D) G.B. Airy
- 103. Winter rains in North Plains are caused by depressions from:
 - A) Mediterranean Sea B) Arabian Sea
 - C) Bengal Ocean D) Pacific Ocean
- 104. The philosopher who tried to resolve the problem of dualism in geography by incorporating the 'environment' concept with major focus on man:
 - A) E. Huntington B) Ratzel
 - C) E. C. Semple D) Vidal de la Blache

105.	The resolution of satellite images, indicating the sensor's capability to distinguish radiation intensity is Resolution.								
	A)	•	B)	Temp		C)	Spectral	D)	Radiometric
106.		The crop combination method, known as maximum positive deviation method advanced by:					ion method was		
	A)	Weaver	B)	Doi		C)	Rafiullah	D)	M.Shaffi
107.	The M A) C)	e Maginot line which exists between the boundaries of: Namibia and Angola B) France and Germany Germany and Poland D) USA and Canada							
	C)	Octimatily an		u	D)	USA	and Canada		
108.	distor A)	tion, similar t Panchromat	o a map	, is kno	own as B)	: Carto	ogram	form sc	ale and minimal
	C)	Composite			D)	Ortho	image		
109.	 Fruits and vegetable Agricultural Region in India extends between: A) Parts of Tamil Nadu and Andhra Pradesh B) Western Rajasthan and Northern Gujarat C) Kashmir in the west to Assam in the east D) Rajasthan, Madhya Pradesh and Deccan 								
110.	The l	atest Satellite	launche	d by Ir	ndia is:				
	A) C)	EOS-4 RISAT-2BR	.1		B) D)		AT-3DR AT-3DS		
111.	The population size for class iv town in India is:								
	A) C)	10000 to 199 20000 to 499			B) D)		0 to 39999 to 9999		
112.									
	 A) Both [A] and [R] are true and [R] is the correct explanation of [A] B) Both [A] and [R] are true but [R] is not the correct explanation of [A] C) [A] is true but [R] is false D) [A] is false but [R] is true 								
113.	The c A) C)	convention in Rio-Earth su Rotterdam c	ımmit	-	nda 21 B) D)	Stock	dopted: holm conven le Janeiro con		1

114. Spatial Diffusion Model in geography was developed by:

- A) Jan Tinbergen B) T.Hagerstrand
- C) L D Stamp D) Hagget
- 115. Which of the following is **not** related to the measures of central tendency? A) Median B) Mode C) Frequency D) Mean

116. The seas connected by Suez Canal:

- A) Arabian sea and Mediterranean sea
- B) Red sea and China sea
- C) North sea and Baltic sea
- D) Red sea and Mediterranean sea

117. Which of the following is **not** a monsoon region?

- A) NW Australian region B) South and south-east Asia
- C) Guinea coast D) Western European region

118. The theory which explains the hierarchy of urban areas:

- A) Central place theory B) Sector theory
- C) Rank-size Rule D) Multiple Nuclei theory

119. Currents flowing under the influence of prevailing winds are known as: A) Wave B) Current C) Drift D) Stream

120. How many satellites are there in IRNSS space segment? A) 24 B) 7 C) 12 D) 4