



Paper - II

Geography

Booklet Code

A

SUBJECT CODE :

17

Roll No. :

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(Figures as per admission card)

Roll No. (in words) :

OMR Sheet No. :

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Name and Signature of Invigilator/s

Signature : _____

Name : _____

Time : 2 Hours

Maximum Marks : 200

Number of Pages in this Booklet : 24

Number of Questions in this Booklet : 100

Instructions for the Candidates

1. Write your roll number in the space provided on the top of this page.
2. This paper consists of hundred (100) multiple-choice type of questions.
3. At the commencement of examination, the test booklet will be given to you. In the first 5 minutes, you are requested **To Open the Booklet and Compulsorily Examine it as Below:**
 - (i) To have access to the Test Booklet, tear off the paper seal on the edge of the cover page. Do not accept a booklet without sticker seal or open booklet.
 - (ii) Tally the number of pages and number of questions in the booklet with the information printed on the cover page. Faulty booklets due to pages/questions missing or duplicate or not in serial order or any other discrepancy should be got replaced immediately by a correct booklet from the invigilator within the period of 5 minutes. Afterwards, neither the Test Booklet will be replaced nor any extra time will be given.
 - (iii) After the verification is over, the Test Booklet Number should be entered in the OMR Sheet and the OMR Sheet Number should be entered on this Test Booklet.
4. Each item has four alternative responses marked (A), (B), (C) and (D). You have to darken the circle as indicated below on the correct response against each item.
Example : Ⓐ Ⓑ ● Ⓓ
 where (C) is the correct response.
5. Your responses to the questions are to be indicated in the **OMR Sheet kept inside this Booklet**. If you mark at any place other than in the circles, the OMR Sheet will not be evaluated.
6. Read the instructions given in OMR Sheet carefully. Fill the Booklet Code of Paper-II in OMR Sheet **Compulsorily**.
7. Rough Work is to be done in the end of this booklet.
8. If you write your name or put any mark on any part of the OMR Answer Sheet, except for the space provided for the relevant entries, which may disclose your identity, you will render yourself liable to disqualification.
9. You have to return the OMR answer Sheet to the invigilators at the end of the examination compulsorily and must NOT carry it with you outside the Examination Hall.
10. You can take away test booklet and carbon copy of OMR Answer Sheet after the examination.
11. **Use only Blue/Black Ball point pen.**
12. **Use of any calculator, electronic gadgets or log table, etc. is prohibited.**
13. **There is no negative mark for incorrect answer.**




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1. The ecological succession was propounded by :
 - (A) Tansley
 - (B) Haeckel
 - (C) Odum
 - (D) Kerner
2. Rio +5 Summit is held to apprise the status of _____.
 - (A) Kyoto Protocol
 - (B) Agenda 21
 - (C) Vienna Convention
 - (D) Montreal Protocol
3. The ratio between energy flow at different points in a food chain is known as:
 - (A) Ecological Efficiency
 - (B) Ecological Capacity
 - (C) Ecological Assimilation
 - (D) Ecological Potential
4. What does 10 percent law say?
 - (A) Less than 10 percent of the energy is transferred to each trophic level from the lower trophic level
 - (B) Only 10 percent of the energy is transferred to each trophic level from the lower trophic level
 - (C) Only 10 per cent of the energy is assimilated from the eaten food
 - (D) Consumer gains 10 percent mass of the consumed food
5. Which of the following is the correct sequence in the ecological food chain?
 1. Autotrophs
 2. Decomposers
 3. Carnivores
 4. Herbivores
 - (A) 1 – 2 – 3 – 4
 - (B) 1- 4 – 3 – 2
 - (C) 1- 3 – 2 – 4
 - (D) 4 – 2 – 3 – 1
6. In 1992, the Earth Summit was held in _____.
 - (A) India
 - (B) USA
 - (C) Brazil
 - (D) China
7. Which of the following is not a primary pollutant?
 - (A) Nitrogen Oxides
 - (B) Ground Level Ozone
 - (C) Carbon Monoxide
 - (D) Volatile Organic Compound



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8. Acid rain is mainly a mixture of:
- (A) Methane and Hexane
- (B) Sulphuric acid and Nitric acid
- (C) Acetic acid and Bromine
- (D) Ascorbic acid and Citric acid
9. Directorate of Spatial Planning in Jammu & Kashmir was proposed in:
- (A) Digital Policy, J&K
- (B) Information Technology Policy, J&K
- (C) Environmental Policy, J&K
- (D) Tourism Policy, J&K
10. Match List-I and List-II and select the correct answer from the codes given below:

	<u>List-I</u> Sustainable Development Goals (SDG)	<u>List-II</u> (Activities)
P.	SDG-6	1 Universalization of Education
Q.	SDG-7	2 Gender Equality
R.	SDG-4	3 Clean Sanitation
S.	SDG-5	4 Clean Energy

Codes:

	P	Q	R	S
(A)	3	4	1	2
(B)	3	1	2	4
(C)	1	2	3	4
(D)	1	4	3	2

11. Crop production in different years can be best represented by which of the following?
- (A) Triangular Diagram
- (B) Duo Directional Bar Diagram
- (C) Linear Graph
- (D) Band Graph
12. Which of the following type of resolution corresponds to the smaller change in the spectral reflectance detected by sensor?
- (A) Spectral Resolution
- (B) Radiometric Resolution
- (C) Temporal Resolution
- (D) Spatial Resolution
13. State, which of the following is not the characteristic of hypothesis?
- (A) It is capable of being tested
- (B) It states the relationship between variables
- (C) It is inconsistent with most known facts
- (D) It explains the fact that gave rise to the need for explanation



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14. Ideally, how many minimum number of satellites are needed to plot a more accurate 3D position?

(A) 2
(B) 4
(C) 6
(D) 8

15. What is the range of visible region in Electromagnetic Spectrum?

(A) 0.4 to 0.7 μm
(B) 0.7 to 1.5 μm
(C) 0.9 to 1.5 μm
(D) 1.5 to 3.0 μm

16. What is the dimension of correlation in the Moderate Degree of Correction?

(A) + 0.90 and above
(B) + 0.75 to + 0.90
(C) + 0.60 to + 0.75
(D) + 0.30 to + 0.60

17. The weight of ten 10 students of a class is 50, 54, 46, 50, 48, 49, 50, 51, 55. From the given data, Find out the 'Crude Mode' :

(A) 55
(B) 51
(C) 50
(D) 46

18. Given below are two statements, one labelled as Assertion (a) and the other labelled as Reason (r). Read the statements and choose the correct answer from the code given below:

Assertion (a) : Global Positioning System generally consists of constellation of 24 operational satellites.

Reason (r) : In order to ensure continuous world wide coverage for GPS, six orbital planes of satellites are organised and every four satellites are placed in an orbital plane.

Codes:

(A) Both (a) and (r) are true and (r) is correct explanation of (a)
(B) Both (a) and (r) are true and (r) is not correct explanation of (a)
(C) (a) is true, but (r) is false
(D) (a) is false, but (r) is true

19. Interpolation is made possible by a principle called_____.

(A) Spatial Auto-Correlation
(B) Thematic Correlation
(C) Spatial Auto-Correction
(D) Thematic Correlation

20. Key components of 'Spatial Data' quality include_____.

i. Positional Accuracy
ii. Lineage and Completeness
iii. Temporal Accuracy
iv. Logical Accuracy

(A) i, ii and iv
(B) i, iii and iv
(C) i, ii and iii
(D) iv, ii and i



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21. Bifurcation Ratio (R_b) is related to the branching pattern of the drainage network. From the given table, Find out the R_b for the VI order stream.

Stream Order	No. of Stream
I	392
II	92
III	25
IV	06
V	06
VI	01

- (A) 3
(B) 2
(C) 1
(D) 0
22. Match List-I and List-II and select the correct answer from the codes given below:

	List-I (Author)		List-II (Book)
P	P.R. Gould and R. White	1	Postmodern Geographies: The Reassertion of Space in Critical Social Theory
Q	D. Ley and M.S Samuels	2	Geography and Geographers
R	Edward Soja	3	Humanistic Geography: Problems & Prospects
S	Ron Johnston	4	Mental Maps

Codes:

	P	Q	R	S
(A)	1	2	3	4
(B)	2	1	4	3
(C)	4	3	1	2
(D)	3	1	2	4

23. Given below are two statements, one labelled as Assertion (a) and the other labelled as Reason (r). Read the statements and choose the correct answer from the code given below:

Assertion (a) : With reference to man-land relationship, Aristotle considered man as a destructive agent.

Reason (r) : Man was considered as a destructive agent based on deductive reasoning.

- (A) Both (a) and (r) are true and (r) is correct explanation of (a)
(B) Both (a) and (r) are true and (r) is not correct explanation of (a)
(C) (a) is true, but (r) is false
(D) (a) is false, but (r) is true
24. Which of the following statements is NOT correct?
- (A) Posidonius did not follow Aristotle in believing that the equatorial part of the torrid zone was inhabitable because of heat
(B) Ibn-Khaldun was the first scholar to turn his attention specifically to man-environment relations
(C) Using logic and the principle of symmetry, Anaximander explained the summer floods of the Nile River
(D) Al-Balkhi gathered the observations of climatic features made by the Arab travellers in the world's first climatic atlas- the Kitab al- Ashkal



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25. Arrange the following publications in ascending order starting from the oldest and accordingly, select the correct code.
- La Geographie Humaine
 - Politische Geographie
 - Explanation in Geography
 - Morphology of Landforms
- i , ii, iii, iv
 - ii, i, iv, iii
 - iv, i, ii, iii
 - ii, i, iii, iv
26. The theoretical perspective of Marxist Theory and points of departure from Positivist Spatial Science were first laid out clearly in David Harveys book entitled -
- Explanation in Geography
 - Limits to Capital
 - Social Justice and the City
 - The Urbanization of Capital
27. Who from among the following Arab geographers explained the erosional actions of Himalayan Rivers?
- Al- Biruni
 - Al- Masudi
 - Al- Balkhi
 - Al- Ma'mun
28. Which of the following statements about Postmodernism is NOT correct?
- The Postmodern methodology is based essentially on deconstruction
 - Postmodern thought provides a theoretical context for the study of spatial/areal diversity in the life world
 - Postmodernism is regarded as the culture of late capitalism
 - The intellectual movement of Postmodernism flourished in the first quarter of the twentieth century
29. While Davis's concept projected Geography as the study of man-land relationships from a deterministic perspective, _____ viewed Geography as the study of covariant of human distributions over the Earth surface.
- Hetter
 - Ratzel
 - Richthofen
 - Schluter
30. Darwins's theory introduced "chance factor" and "_____" in explaining phenomena replacing teleology.
- Determinism
 - Probability
 - Possibility
 - Humanity



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31. Two highly influential books published by _____ during the 1960's underlined the importance of theoretical models and quantification in Geography.
- (A) Gregory and Chorley
(B) Ackerman and Haggett
(C) Harvey and Gregory
(D) Chorley and Haggett
32. _____ region is drained by the tributaries of Mahanadi and Godavari.
- (A) Baghelkhand Plateau
(B) Madhya Bharat Pathar
(C) Dandakaranya
(D) Garhjat Hills
33. Which one of the following is NOT a fact regarding South India?
- (A) Diurnal range of temperature is less here
(B) Annual range of temperature is less here
(C) Temperature is high throughout the year
(D) Extreme climatic conditions are found here
34. Which region of Great Plains of India possess following features?
- i. It is formed of coarse materials like gravel and pebbles
- ii. Some of the rivers and streams sink and disappear
- iii. The velocity of the rivers is suddenly reduced
- (A) Bhabhar
(B) Terai
(C) Bhangar
(D) Khadar
35. Given below are two statements, one labelled as Assertion (a) and the other labelled as Reason (r). Read the statements and choose the correct answer from the code given below:
- Assertion (a) :** The Indian climate is characterised by the complete reversal of wind system with the change of season in a year
- Reason (r) :** During the winter season winds flow from north-east to south-west and during summer from south-west to north-east
- Codes:
- (A) Both (a) and (r) are true and (r) is correct explanation of (a)
(B) Both (a) and (r) are true and (r) is not correct explanation of (a)
(C) (a) is true, but (r) is false
(D) (a) is false, but (r) is true


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36. Tien Shan, Kunlun, Hindukush and Karakoram ranges spread out from which of the following?
- (A) Pamir Plateau
- (B) Mount K2
- (C) Zaskar Range
- (D) Kailash Range
37. In mid winter a feeble high pressure develops over the north-western part of India. What would be its influence on the weather conditions?
- i. Light and dry winds would flow outward from this high pressure area
- ii. The northern plains would become cold
- iii. Scorching winds (locally called loo) would flow during the day time
- iv. There would be torrential rains brought by thunderstorms
- (A) i and ii
- (B) ii and iii
- (C) iii and iv
- (D) i and iv
38. State which of the following is the indication of drought with respect to monsoon?
- (A) A drought occurs when the rainfall is less than 90% of the normal
- (B) A maximum break of three weeks after the timely onset of the monsoon
- (C) Maximum delay of monsoon of three weeks from the normal date of arrival for a given region
- (D) When the monsoon withdraws from north-west India by the last week of July
39. The coefficient of variability of rainfall indicates the amount of fluctuation in rainfall recorded over a long time.
- In which of the following parts of the country, the variability of rainfall in India would be more than 40%?
- (A) North-Eastern India consisting of parts of Arunachal Pradesh, Nagaland and Manipur
- (B) Western part consisting of Gujarat and Rajasthan
- (C) South-Western India consisting of Kerala
- (D) Coastal Odisha and Andhra Pradesh



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40. Given below are two statements, one labelled as Assertion (a) and the other labelled as Reason (r). Read the statements and choose the correction answer from the code given below:
- Assertion (a) :** In the rainy season the temperature on the west of the Aravallis may be as high as 38°C to 40°C
- Reason (r) :** Lack of clouds and the predominance of continental air mass is responsible for the high temperature
- Codes:
- (A) Both (a) and (r) are true and (r) is correct explanation of (a)
- (B) Both (a) and (r) are true and (r) is not correct explanation of (a)
- (C) (a) is true, but (r) is false
- (D) (a) is false, but (r) is true
41. The 'Law of Social Capillarity' was propounded by _____.
- (A) Thomas Doubleday
- (B) Michael Thomas Sadler
- (C) Jouse De Castro
- (D) Arsène Dumont
42. The countries which are in the first stage of Demographic Transition have a _____ base which _____ rapidly.
- (A) Stable stabilizes
- (B) Fluctuating in both the cases
- (C) Narrow, Broadens
- (D) Broad, narrows down
43. Census of India considers a person under the category of 'Main Worker'; if he/she is engaged in any economically productive work (Physical/Mental) for more than _____ days in a year.
- (A) 175
- (B) 183
- (C) 200
- (D) 210
44. _____ is obtained by summing up the age specific birth rate and multiplying it by number of years in age interval.
- (A) Crude Birth Rate
- (B) Standardised Fertility Rate
- (C) Total Fertility Rate
- (D) Age Specific Fertility Rate


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45. The most significant feature of the census (2011) is _____.

- (A) Unique Identity Number (UID)
- (B) De Facto Method of data collection
- (C) De Jure Method of data collection
- (D) Digitisation of data collection

46. The 'Law of the Primate City' was first propounded by _____ in 1939.

- (A) Mc Gee
- (B) Sjoberg
- (C) Patrick Geddes
- (D) Mark Jefferson

47. Which of the following is at the highest order of hierarchy: Conurbation, Megapolis, Nekropolis, Tyranopolis?

- (A) Conurbation
- (B) Tyranopolis
- (C) Megapolis
- (D) Nekropolis

48. Match List-I and List-II and select the correct answer from the codes given below:

List-I (Aspects of Settlement)	List-II (Characteristics)
P Central Places	1 Study of the form of human settlement and the process of their formation and transformation
Q Urban Morphology	2 Isolation of race, Class or voluntary residence in a restricted areas
R Spatial Segregation	3 Settlements which are predominantly concerned with serving the needs of the surrounding areas
S Rank Size	4 All the urban settlements in area arranged in descending order of population size

Codes:

	P	Q	R	S
(A)	2	3	4	1
(B)	3	1	2	4
(C)	4	1	3	2
(D)	3	2	1	4


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49. Which of the following phases were added by Lewis Mumford elaborating Patrick Geddes approach to describe cities of Industrial ages?
- Paleotechnic phase
 - Biotechnic phase
 - Neotechnic phase
 - Eotechnic phase
 - Necrotechnic phase
- Codes:
- I, II and V
 - I, III and IV
 - II and IV
 - II and V
50. What does the term 'megapolis'; coined by Jean Gottmann in 1957 connote?
- Million city
 - Conurbation
 - Large city
 - Union of conurbations
51. Imaginary lines connecting points of equal transport costs are known as _____.
- Isohyets
 - Isobath
 - Isotems
 - Isodapanes
52. Which of the following factors are responsible for the change of seasons?
- Inclination of the Earth's axis at $66\frac{1}{2}^\circ$ to the plane of Earth's orbit.
 - Constant orientation of the earth's axis towards Polaris (Pole star).
 - Earth's magnetic character whose north and south poles are at the geographical poles of the Earth.
- 1 and 2
 - 1, 2, and 3
 - 2 and 3
 - 1 and 3
53. In which year GATT was formed?
- 1946
 - 1948
 - 1950
 - 1955
54. Rice in India is sown in three ways; (i) broadcasting, (ii) ploughing or drilling, and (iii) transplanting, of which the third method is common in the _____ regions.
- Infertile
 - Labour Scarce
 - Inner peninsula
 - Deltaic and flood plains



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55. Smaller farm sizes, high productivity, low per capital output are the characteristics of which of the following?

- (A) Extensive Farming
- (B) Plantation Farming
- (C) Intensive Method of Agriculture
- (D) Dry Farming

56. The headquarter of OPEC is located in ____.

- (A) Vienna
- (B) Singapore
- (C) Jakarta
- (D) Mumbai

57. Identify the South American country from the following options which is a part of OPEC?

- (A) Venezuela
- (B) Brazil
- (C) Peru
- (D) Chile

58. Given below are two statements related to A. Pred's Behavioural approach of Industrial locations:

Statement – I: Behavioural Matrix can be used to analyse the spatial margins within the locations.

Statement – II: Most men work for rewards in addition to money, such as pleasant living and working conditions which could be quantified as a Psychic income.

In the light of the above statements, choose the most appropriate answer from the codes given below:

- (A) Both Statement I and Statement II are correct
- (B) Both Statement I and Statement II are incorrect
- (C) Statement I is correct and Statement II is incorrect
- (D) Statement I is incorrect and Statement II is correct

59. Which of the following countries form group of Eight (G8)?

- (A) Canada, France, Germany, Italy, Japan, Russia, United Kingdom, United States
- (B) Canada, France, India, Italy, Japan, Russia, United Kingdom and United States
- (C) Canada, France, Germany, India, Japan, Russia, Pakistan, China
- (D) Canada, France, Brazil, Italy, Japan, Russia, China, United States

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60. The simple Gravity Model is formulated as the gravity between two regions is depended on the _____ between the two regions and inversely proportion to the distance between them.
- (A) Linear distance
- (B) Threshold population
- (C) Population
- (D) Population potential
61. The highest salinity is found in _____.
- (A) Dead Sea
- (B) Red Sea
- (C) Great Salt Lake in U.S.A
- (D) Lake Van in Turkey
62. Which of the following is not correctly matched?
- (A) Ellesmere Island – United States
- (B) Greenland – Denmark
- (C) Baffin Island – Canada
- (D) Hawaii Island – United States
63. Weddell sea is part of which of the following oceans?
- (A) Arctic Sea
- (B) South Atlantic Sea
- (C) South Pacific Ocean
- (D) Southern Ocean
64. Which of the following is average areal coverage of deep sea plains of World Ocean?
- (A) 74.5 %
- (B) 76.8 %
- (C) 75.9%
- (D) 74.1%
65. Which of the following ocean currents belongs to Northern Atlantic Ocean?
- (A) Agulhas Current
- (B) Labrador Current
- (C) Canary Current
- (D) Falkland Current



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66. Which of the following is correctly matched?

- (A) Ecocline ___ Biodiversity
- (B) Pycnocline ___ Density of sea water
- (C) Halocline ___ Temperature of sea water
- (D) Thermocline ___ Air Temperature

67. Given below are two statements, one labelled as Assertion (a) and the other labelled as Reason (r). Read the statements and choose the correct answer from the code given below:

Assertion (a): There is sudden recession of sea/ocean water before the arrival of tsunami waves.

Reason (r): Massive undersea thrust fault raises sea/ocean water upward.

Codes:

- (A) Both (a) and (r) are true and (r) is correct explanation of (a)
- (B) Both (a) and (r) are true and (r) is not correct explanation of (a)

(C) (a) is true, but (r) is false

(D) (a) is false, but (r) is true

68. Given below are two statements, one labelled as Assertion (a) and the other labelled as Reason (r). Read the statements and choose the correct answer from the code given below:

Assertion (a): Wave height of tsunami increases when tsunami approaches sea coasts.

Reason (r): Depth of sea water decreases toward sea coast.

Codes:

- (A) Both (a) and (r) are true and (r) is correct explanation of (a)
- (B) Both (a) and (r) are true and (r) is not correct explanation of (a)
- (C) (a) is true, but (r) is false
- (D) (a) is false, but (r) is true



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69. Given below are two statements, one labelled as Assertion (a) and the other labelled as Reason (r). Read the statements and choose the correct answer from the code given below:

Assertion (a) : The potential energy that results from pushing water above mean sea level is transformed to kinetic energy that initiates the horizontal propagation of tsunami waves.

Reason (r) : The vertical displacement of sea water due to abrupt, jerky movements of fault blocks on sea bed give birth to tsunami.

Codes:

- (A) Both (a) and (r) are true and (r) is correct explanation of (a)
- (B) Both (a) and (r) are true and (r) is not correct explanation of (a)
- (C) (a) is true, but (r) is false
- (D) (a) is false, but (r) is true

70. Which of the following is not correctly matched?

- (A) Atoll Island __ Canary Island

(B) Coral Pinnacles __ Isolated shapeless reef

(C) Great Chagos Bank Atoll __ Indian Ocean

(D) Corallite __ Coral's home

71. Social integration, cultural diffusion and spatial segregation are the feature of _____.

- (A) Area Planning
- (B) Human Migration
- (C) Regional Development
- (D) Racial Purity

72. In which year China has been certified as Malaria free by WHO?

- (A) 2022
- (B) 2021
- (C) 2023
- (D) 2024



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73. Data on levels of education, religion and languages are published in the _____ of the Census of India.

- (A) Primary Census Abstract
- (B) Economic Tables
- (C) Migration tables
- (D) Socio – Cultural Tables

74. Given below are two statements, one labelled as Assertion (a) and the other labelled as Reason (r). Read the statements and choose the correct answer from the code given below:

Assertion (a) : India is a multinational, multiethnic and multi religious country.

Reason (r) : Successive Muslim invasions followed by British advance in the historic past led to fusion.

Codes:

- (A) Both (a) and (r) are true and (r) is correct explanation of (a)
- (B) Both (a) and (r) are true and (r) is not correct explanation of (a)
- (C) (a) is true, but (r) is false
- (D) (a) is false, but (r) is true

75. The _____ is the material basis for analysing the 'persistent differences' in wealth and power.

- (A) Single World Market
- (B) Multiple State System
- (C) Three – tier Structure
- (D) Two – tier Structure

76. Given below are two statements:

Statement – 1: 'Geopolitik' term was coined by German political geographer Rudolf Kjellen.

Statement – 2 : Geopolitik School of Political geography was disseminated by the German political geographer, Haushofer.

In the light of the above statements, choose the most appropriate answer from the codes given below:

- (A) Only statement 1 is correct
- (B) Only statement 2 is correct
- (C) Both the statements are correct
- (D) Both the statements are incorrect


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77. Which of the following books of Halford J. Mackinder was described as a "Regional study in a global context"?

- (A) Britain and the British Seas
- (B) Heartland: Three Essays on Geopolitics
- (C) The Rhine
- (D) Our own Islands; An Elementary Study in Geography

78. Healthy person is one who is close to 'Sthitpragya' meaning :

- (A) Compassionate and ever ready to help others
- (B) Who maintains equality in pleasure and pain
- (C) Has subdued fear, anger, jealousy, hatred and over attachment to creative comforts
- (D) Takes balanced diet

79. Which of the following anthropologist has defined culture as "Culture is the sum of the knowledge, attitude and habitual behaviour patterns shared and transmitted by the members of a society?"

- (A) Reclus
- (B) Miller

(C) Carl O. Sauer

(D) Ralph Linton

80. Match List-I and List-II and select the correct answer from the codes given below:

List-I (Mahajanapda)	List-II (Region)
P Gandhara	1 West of Yamuna incorporating Bharatpur-Dholpur-Karauli region
Q Surasena	2 Godavari Valley
R Asmaka	3 West of the Indus at the end at Kabul Valley
S Sapta-Sindhu	4 Upper Indus Basin

Codes:

	P	Q	R	S
(A)	2	3	4	1
(B)	3	1	2	4
(C)	3	2	4	1
(D)	3	4	1	2



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81. Given below are two statements, one labelled as Assertion (a) and the other labelled as Reason (r). Read the statements and choose the correct answer from the code given below:

Assertion (a) : Summer season is dry in Mediterranean climatic region.

Reason (r) : Mediterranean regions come under trade wind belt during summer season.

Codes:

- (A) Both (a) and (r) are true and (r) is correct explanation of (a)
- (B) Both (a) and (r) are true and (r) is not correct explanation of (a)
- (C) (a) is true, but (r) is false
- (D) (a) is false, but (r) is true

82. Given below are two statements, one labelled as Assertion (a) and the other labelled as Reason (r). Read the statements and choose the correct answer from the code given below:

Assertion (a) : Relative humidity decreases with increasing air temperature.

Reason (r) : Absolute humidity increases with increasing evaporation.

Codes:

- (A) Both (a) and (r) are true and (r) is correct explanation of (a)
- (B) Both (a) and (r) are true and (r) is not correct explanation of (a)
- (C) (a) is true, but (r) is false
- (D) (a) is false, but (r) is true

83. The large scale thermally driven circulations existing in tropical latitude and most prominent over Atlantic and Pacific ocean are known as-

- (A) Hadley Cell
- (B) Walker Circulation
- (C) Wallace line
- (D) Ferrel's Cell

84. Albedo effect would be greatest at which of the following?

- (A) When the angle of inclination of the Sun is 0° and the surface is covered with fresh snow
- (B) When the angle of inclination of the Sun is 90° and the surface is covered with chalk
- (C) When the angle of inclination of the Sun is 90° and the surface is covered with fresh snow
- (D) When the angle of inclination of the Sun is 0° and the surface is covered with old snow


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85. In Thornthwaite's climatic classification, which parameter is primarily used to define moisture regions?
- (A) Temperature
(B) Precipitation
(C) Potential Evapotranspiration
(D) Humidity
86. _____ provides guidelines for reducing GLOF.
- (A) NDRF
(B) NDMA
(C) IMD
(D) TERI
87. Which one of the above is/are correct?
- i. Climate change has resulted in a decrease in the number of glacier lakes.
ii. The Himalayan habitates are threatened by flooding as a result of glacial melting.
- (A) i only
(B) ii only
(C) Both i & ii
(D) Neither i nor ii
88. The Earth's surface receives maximum energy at 12 noon but the maximum temperature never occurs at 12 noon. State which of following reasons are TRUE?
- I. Transformation of solar energy into heat requires some time.
II. The loss of energy through long wave radiation from the Earth's surface exceeds the energy received from the Sun at 4 PM.
III. Energy received by the earth from solar radiation continues to exceed the energy lost by outgoing long wave radiation from the Earth's surface upto 4 pm.
IV. Transformation of solar energy into heat is immediate.
- (A) I and II
(B) I and III
(C) II and IV
(D) I, II and IV
89. The following statements are related to Hurricane. State, which of them are TRUE?
- I. They develop over the ocean between 8° N to 15° N latitude
II. They are almost absent in the south Atlantic Ocean
III. They do not develop close to the Equator
- (A) I and II
(B) II and III
(C) I and III
(D) I, II and III



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90. Given below are two statements, one labelled as Assertion (a) and the other labelled as Reason (r). Read the statements and choose the correct answer from the code given below:

Assertion (a) : Temperature alone can be treated as the basis for climatic classification

Reason (r) : Precipitation provides moisture in the air which helps in classifying the climates

- (A) Both (a) and (r) are true and (r) is correct explanation of (a)
- (B) Both (a) and (r) are true and (r) is not correct explanation of (a)
- (C) (a) is true, but (r) is false
- (D) (a) is false, but (r) is true
91. Which of the following rivers is famous for its "First Bend"?
- (A) Colorado
- (B) Mississippi
- (C) Yangtze
- (D) Nile

92. Match List-I and List-II and select the correct answer from the codes given below:

List-I	List-II
P Folded Structure	1 Trellis Drainage Pattern
Q Faulted Structure	2 Radial Drainage Pattern
R Domed Structure	3 Nappe
S Uniclinal Structure	4 Cuesta

Codes:

- | | P | Q | R | S |
|-----|---|---|---|---|
| (A) | 1 | 2 | 3 | 4 |
| (B) | 1 | 3 | 2 | 4 |
| (C) | 1 | 4 | 3 | 2 |
| (D) | 3 | 4 | 1 | 2 |

93. Given below are two statements, one labelled as Assertion (a) and the other labelled as Reason (r). Read the statements and choose the correct answer from the code given below:

Assertion (a) : Kinetic energy of a river decreases with decreasing channel gradient.

Reason (r) : Entropy becomes maximum in old stage of normal cycle of erosion.

Codes:

- (A) Both (a) and (r) are true and (r) is correct explanation of (a)
- (B) Both (a) and (r) are true and (r) is not correct explanation of (a)
- (C) (a) is true, but (r) is false
- (D) (a) is false, but (r) is true



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94. Which of the following is not correctly matched?
- (A) Randkluft – Cirque
(B) Palsa – Periglacial region
(C) Savanna cycle of erosion – L.C. King
(D) Indian Ocean Tsunami - 2004
95. Which of the following belongs to historical approach of geomorphological studies?
- (A) Palimpsest topography
(B) Microgeomorphology
(C) Morphometry
(D) Process geomorphology
96. 10 metres submergence of the forest near the Mumbai Island and the raised beaches along the east coast of India to the height of 15-20 metres above the sea level are the result of which of the following.
- (A) Sudden forces
(B) High sea waves
(C) Diastrophic forces (slow movements)
(D) Submergence of land
97. Which of the following is NOT related to the "Theory of landform development" as presented by Walther Penck?
- (A) Morphological System
(B) Primarumpf and Endrumpf
(C) Piedmont treppen
(D) Pedimentation
98. When an uplifted landmass is denuded by the erosional work the rock waste is deposited in neighbouring depth columns. This process is known as _____.
- (A) Isostatic Adjustments
(B) Plate Tectonic Movement
(C) Continental Drift
(D) Mountain Building
99. The endogenetic forces and resultant tectonics events causes disequilibrium. This disequilibrium causes earthquakes which generally affects:
- (A) Young Fold Mountains
(B) Deep Sea Plain
(C) Continental Shelves
(D) Zava Plateau
100. Slope Decline theory was propounded by_____.
- (A) Penck
(B) Davis
(C) L. C. King
(D) Spark



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