

SEAL

DO NOT OPEN THE SEAL UNTIL INSTRUCTED TO DO SO

Series :

a

Question Booklet No.

360049

DT/08/24

PAPER—II

GEOGRAPHY

Invigilator's Signature

Candidate's Signature

Time : 2 Hours

Maximum Marks : 100

ROLL NO.

--	--	--	--	--	--

INSTRUCTIONS FOR CANDIDATES

1. Immediately after the commencement of the Examination, candidate should check that this Booklet does **NOT** have any unprinted, torn or missing pages/Sl. No. etc. If any defect is found, candidates should not write or mark anything on the OMR RESPONSE SHEET and immediately report it to the room Invigilator for replacement by a Complete Question Booklet.
2. Candidate should carefully read the instructions on the back of the OMR RESPONSE SHEET. They should **NOT** write Name, mark, make any stray marking or write anything irrelevant on either side of the OMR RESPONSE SHEET. Remarks other than the Answers and requisite details will be treated as revealing your identity and upon physical verification, if such remarks are found, the OMR RESPONSE SHEET will be invalidated and the candidature cancelled. No rough work should be done on the OMR RESPONSE SHEET. Rough work space provided in the Question Booklet can be used for the same.
3. Candidate should enter correct and complete digits of his/her Roll Number, Booklet Number and other details in the appropriate boxes and darken the corresponding bubbles in the OMR RESPONSE SHEET.
4. Candidate should **NOT** handle his/her OMR RESPONSE SHEET in such a manner as to mutilate, fold etc.
5. This Question Booklet contains **100** questions carrying 1 (one) mark each. Each question contains four responses. **Only one response/answer** for each question should be marked appropriately in the bubble on the OMR RESPONSE SHEET. If more than one response is marked, the answer will be considered wrong.
6. **Candidates are strictly prohibited to possess any book, notebook or loose paper, calculator, mobile phone, any electronic gadget, digital wristwatch etc., inside the Examination Hall, except his/her Unique ID, Admit Card and writing materials only.**
7. Immediately after the final bell, indicating the closure of the Examination, candidates should stop marking answers. Candidates should remain seated till the collection of OMR RESPONSE SHEET by the Invigilator. They will leave the Examination Hall after submission of OMR only after they are permitted by the Invigilator.
8. Violation of any of the above Rules will render the candidate liable to be expelled and disqualified from the Examination and according to the nature and gravity of his/her offence, he/she may be debarred from future Examinations and interviews to be conducted by the Commission and other such organizations.

NB : CANDIDATES ARE ALLOWED TO TAKE THIS QUESTION BOOKLET WITH THEM ONLY AFTER COMPLETION OF 2 (TWO) HOURS OF EXAMINATION TIME.

DO NOT OPEN THE SEAL UNTIL INSTRUCTED TO DO SO

/21-a

SEAL

SEAL

1. Which of the following pairs is **not** a correct match of desert and country/continent?

- [A] Atacama desert – South America
- [B] Gobi desert – Central Asia
- [C] Sonoran desert – West Asia
- [D] Great Victoria desert – Australia

2. In the process of erosion, the removal of material by solution is called

- [A] attrition
- [B] corrasion
- [C] corrosion
- [D] sapping

3. Which of the following occupies trophic level I in the food chain?

- [A] Bacteria
- [B] Carnivores
- [C] Primary consumers
- [D] Plants

4. Which of the following regions is known as the 'carbon sink' of the globe?

- [A] Antarctica
- [B] Savanna
- [C] N. W. Europe
- [D] Tropical rainforest

5. Who among the following propounded the concept that "the present is the key to the past"?

- [A] Buffon
- [B] Lyell
- [C] Hutton
- [D] Playfair

6. The concept of *The Geographical Pivot of History* was proposed by

- [A] Mackinder
- [B] Martin
- [C] Kropotkin
- [D] Ratzel

7. Which one of the following arrangements of States in descending order of literacy rates according to the 2011 Census is **correct**?

- [A] Kerala, Mizoram, Tripura, Goa
- [B] Kerala, Goa, Mizoram, Tripura
- [C] Goa, Kerala, Tripura, Mizoram
- [D] Mizoram, Tripura, Kerala, Goa

8. The Bundelkhand plateau covers parts of which two of the following States?

- [A] Chhattisgarh and Jharkhand
- [B] Uttar Pradesh and Madhya Pradesh
- [C] Chhattisgarh and Uttar Pradesh
- [D] Madhya Pradesh and Chhattisgarh

9. Which one of the following is a large-scale map?

- [A] Wall map of the World
- [B] Atlas map of India
- [C] World political map in Atlas
- [D] Topographical map

10. The book entitled *Perspective on the Nature of Geography* (1959) was authored by

- [A] Ellen C. Semple
- [B] Alexander von Humboldt
- [C] Richard Hartshorne
- [D] Isaiah Bowman

11. Regarding the given tribes of North-East India, which of the following statements is/are **correct**?

(i) The Ao tribe of Nagaland is largely concentrated in the Mokokchung district.

(ii) The Khasi tribe of Meghalaya belongs to the Austro-Asiatic ethno-linguistic group.

(iii) The Monpa tribe of Tripura belongs to the Buddhist religious group.

[A] (ii) only

[B] (i) and (ii) only

[C] (ii) and (iii) only

[D] (i), (ii) and (iii)

12. Which one of the following is **not** associated with Humanistic Geography?

[A] Phenomenology

[B] Epistemology

[C] Existentialism

[D] Idealism

13. Who proposed the concept of 'Living Space' in geography?

[A] David Harvey

[B] Vidal de La Blache

[C] Carl O. Sauer

[D] Friedrich Ratzel

14. Who first coined the term 'political ecology'?

[A] Ernst Haeckel

[B] Herbert Spencer

[C] Frank Thone

[D] Carl O. Sauer

15. Which one of the following is **not** correctly matched?

[A] Colin Clark - Distance decay

[B] Jefferson - Primate city

[C] Strahler - Waxing slope

[D] G. K. Zipf - Rank-size rule



16. Which of the following is **not** an example of expansion diffusion?

[A] Relocation diffusion

[B] Contagious diffusion

[C] Hierarchical diffusion

[D] Stimulus diffusion

17. Which of the following is **not** a factor that influences spatial interaction?

[A] Complementarity

[B] Intervening opportunity

[C] Marketability

[D] Transferability

18. The Durand Line

[A] demarcates Tibet and the northwest region of India, proposed by British colonial administrator Sir Henry Cotton at the 1914 Simla Convention

[B] separates the Himalayas from the Deccan Traps and was discovered by the British geologist Sir Jeff Thomson

[C] separates Pakistan from Afghanistan

[D] separates the Eastern Himalaya from the Garo Hills-Rajmahal Gap and was discovered by the British geologist Sir Bob Willis

19. The 38th parallel

- [A] forms the border between North and South Korea
- [B] demarcates France from Germany in particular the territorial stretch between Alsace and Lorraine
- [C] separates the Indian part of Sundalands from the Myanmar-Thailand sections which was delineated by the environmentalist Norman Myers
- [D] separates the Indian part of Sundalands from the Myanmar-Thailand sections which was delineated by the environmentalist Charlie Griffith

20. Which State or Union Territory of India has all three of the characteristics listed below?

- (i) Possesses a maximum elevation of 7060 meters
- (ii) Has over 80% of its area under forest cover
- (iii) About 12% of forested area is designated as Protected Area

- [A] Mizoram
- [B] Nagaland
- [C] Goa
- [D] Arunachal Pradesh

21. Which of the following was **not** the site of a major earthquake in India?

- [A] Latur, 1993
- [B] Kutch, 2001
- [C] Kolasib, 1968
- [D] Koyna, 1967

22. Which of the following statements about ozone is **correct**?

- [A] Troposphere ozone helps to prevent ultraviolet rays from reaching the Earth's surface.
- [B] Occurs in the stratosphere and prevents UV rays from escaping into space.
- [C] Occurs in the stratosphere and prevents UV rays from reaching the Earth's surface.
- [D] Troposphere ozone is extremely beneficial to human and animal life.

23. The green revolution in India was evident primarily in the States of

- [A] West Bengal, Maharashtra, Bihar and parts of Northeast India
- [B] West Bengal, Maharashtra, Bihar, Odisha and Assam
- [C] Punjab, Haryana and Western Uttar Pradesh
- [D] Punjab, Haryana, Western Uttar Pradesh, Rajasthan and Gujarat

24. Which of the following is **not** a country located in South America?

- [A] Peru
- [B] Bolivia
- [C] Swaziland
- [D] Chile

25. Global warming has accelerated in the

- [A] Anthropocene
- [B] Meghalayan era
- [C] Post-ice age period
- [D] Post-modern period



26. India's last population Census was held in

- [A] 2011
- [B] 2021
- [C] 2001
- [D] Likely to be held in mid-2024

27. Which of the following is **not** a factor of industrial location?

- [A] Availability of raw material, land and water
- [B] Availability of water, labour, power and capital
- [C] Availability of an isotropic land surface
- [D] Availability of transport and market

28. Who proposed the idea of seafloor spreading?

- [A] Harry Hess
- [B] Alfred Wegener
- [C] McKenzie and Parker
- [D] Arthur Holmes

29. Tropical cyclones **do not** occur close to the equator, because

- [A] of excessive heat
- [B] of weak Coriolis force
- [C] land and water contrasts are large
- [D] of areas of calm air movements



30. Badland topography is the product of the combined action of

- [A] wind and glacier
- [B] water and glacier
- [C] sea and glacier
- [D] water and wind

31. Raimona National Park is located in

- [A] Kokrajhar district of Assam
- [B] Bongaigaon District of Assam
- [C] Bongaigaon and Dhubri districts of Assam
- [D] Bongaigaon and Chirang districts of Assam

32. A pixel in the satellite imagery that covers a specific area on the ground is called

- [A] spatial resolution
- [B] spectral resolution
- [C] temporal resolution
- [D] band combinations

33. With reference to 2011 Census data, which one of the following statements is **not correct**?

- [A] The sex ratio of the population (number of females per thousand males) is higher in southern India as compared to northern India.
- [B] Among the States and Union Territories of India, female literacy rate is lowest in Rajasthan.
- [C] Among the States of India, Goa records the highest proportion of urban population.
- [D] The birth rate of population in India is higher in the urban areas as compared to its rural areas.

34. Which of the following statements is **correct** as per 2011 Census?

- [A] State with highest proportion of Christian population is Nagaland.
- [B] State with highest proportion of Hindu population is Madhya Pradesh.
- [C] State with highest proportion of Scheduled Castes population is Bihar.
- [D] State with negative growth of population during 2001-2011 is Kerala.

35. With reference to the geopolitical situation of selected districts of Assam, which one of the following statements is **correct**?

- [A] Kokrajhar and Bongaigaon districts share border with the State of West Bengal.
- [B] All BTR districts share border with Bhutan.
- [C] Cachar district shares border with the States of Manipur, Mizoram and Tripura.
- [D] The districts of South Salmara-Mankachar, Golapara, and Karimganj share border with Bangladesh.

36. With reference to the given sequences of rivers, which one of the following sequences is **correct**?

- [A] Subansiri-Jia Bharali-Sankosh-Dikrong-Manas (North-bank tributaries of the Brahmaputra from east to west)
- [B] Burhi Dihing-Bhogdoi-Kapili-Krishna (South-bank tributaries of the Brahmaputra from east to west)
- [C] Gomti-Yamuna-Kosi-Sone (Tributaries of the Ganga River from west to east)
- [D] Godavari-Mahanadi-Narmada-Krishna (South Indian Rivers from north to south)

37. Among the following States of India, which one occupies the top position in terms of the proportion of area under irrigation?

- [A] Haryana
- [B] Uttar Pradesh
- [C] Punjab
- [D] Bihar

38. Which one of the following is **not** a characteristic of intensive subsistence agriculture?

- [A] Very small land holding
- [B] Application of fertilizers and pesticides
- [C] Small field size
- [D] Field Mechanization

39. Which one of the following measures of man-land ratio is considered to be a crude measure?

- [A] Agricultural density
- [B] Arithmetic density
- [C] Economic density
- [D] Physiological density

40. Which one of the following is **not** a characteristic of a nation?

- [A] Political integration
- [B] Social integration
- [C] Loyalty to the State
- [D] Well-defined territory

41. Which one of the following statistical measures gives a dimensionless (unit less) value?

- [A] Mean
- [B] Range
- [C] Coefficient of variation
- [D] Standard deviation



42. Which one of the following statements is **not correct**?

- [A] If a map with a scale 2 cm to 15 km is reduced by 50%, its resultant scale would be 1 cm to 15 km.
- [B] The scale of a topographical sheet is generally 1 : 50,000.
- [C] Cadastral maps are small-scale maps.
- [D] If a map with a scale of 1 : 250,000 is enlarged by 5 times, its scale would become 1 : 50,000.

43. Which one of the following is the main cause behind high population growth in India?

- [A] Low death rate
- [B] High birth rate
- [C] Large scale migration
- [D] High life expectancy

44. Which one of the following statements is **not correct** about extensive agriculture?

- [A] It is highly mechanical.
- [B] The per hectare yield is low.
- [C] The per worker production is high.
- [D] It is practiced in the densely populated areas of the world.

45. Which one of the following is a quantitative thematic map?

- [A] Choropleth map
- [B] Chorographic map
- [C] Choroschematic map
- [D] Chorochromatic map

46. Which one of the following is **not true** with respect to arithmetic mean?

- [A] It is mathematically sound
- [B] It is not influenced by the presence of extreme values in the distribution
- [C] Sum of deviations of the values about the mean is zero
- [D] The sum of squares of deviations of the values about the mean is the least value

47. Which one of the following is a great circle?

- [A] Prime meridian
- [B] Arctic Circle
- [C] Tropic of cancer
- [D] Equator

48. Name the scholar who coined the word 'geography'.

- [A] Aristotle
- [B] Plato
- [C] Eratosthenes
- [D] Strabo

49. Christaller's model is associated with

- [A] agrarian land use
- [B] development of cityscape
- [C] service centres and their hierarchy
- [D] None of the above

50. Who among the following is perhaps most famous for his calculation of the circumference of the Earth?

- [A] Hipparchus
- [B] Eratosthenes
- [C] Plato
- [D] None of them



51. "Landscape is a function of structure, processes and stage." Who stated it?

- [A] Friedrich Ratzel
- [B] W. M. Davis
- [C] Carl Ritter
- [D] None of them

52. The term GPS stands for

- [A] Geographic Presentation System
- [B] Geographic Production System
- [C] Global Positioning System
- [D] Global Production System

53. R. F. Scale 1 : 1,000,000 means

- [A] 1 cm map distance represents 100 km ground distance
- [B] 1 cm map distance represents 50 km ground distance
- [C] 1 cm map distance represents 10 km ground distance
- [D] 1 cm map distance represents 1000 km ground distance

54. Remote sensing satellites are

- [A] geostationary satellites
- [B] sun-synchronous satellites
- [C] GPS satellites
- [D] None of the above

55. Isohyets are drawn to connect points of equal

- [A] height
- [B] slope
- [C] air pressure
- [D] rainfall



56. To depict mid-latitude areas of the world, suitable projection would be

- [A] cylindrical projection
- [B] oblique projection
- [C] conical projection
- [D] zenithal projection

57. Monadnocks are found in which of the following phases of land-form development?

- [A] Mature stage
- [B] Old stage
- [C] Young stage
- [D] None of the above

58. Sinkholes are found in

- [A] alluvial landscape
- [B] limestone topography
- [C] desert landscape
- [D] ice-caped areas

59. One of the trans-Himalayan tributaries of river Brahmaputra is

- [A] Burhi Dihing
- [B] Jia Dhansiri
- [C] Kalang
- [D] Jia Bharali

60. In the north-eastern part of India, the patterns of the rivers are mostly

- [A] trellis
- [B] radial
- [C] dendritic
- [D] None of the above

61. Which school of thought first developed the idea of possibilism?
- [A] Russian school
 [B] German school
 [C] British school
 [D] French school
62. The book *Cosmos* was authored by
- [A] Alexander von Humboldt
 [B] Richard Hartshorne
 [C] R. E. Dickinson
 [D] L. D. Stamp
63. Which of the following is **not** a philosophy within Humanistic Geography?
- [A] Idealism
 [B] Realism
 [C] Existentialism
 [D] Phenomenology
64. Who among the following is the author of the book *Explanation in Geography*?
- [A] Richard Hartshorne
 [B] David Harvey
 [C] Richard John Chorley
 [D] Peter Haggett
65. Who put forward the concept of Normal Cycle of Erosion?
- [A] W. Penck
 [B] W. M. Davis
 [C] R. J. Chorley
 [D] J. Hutton
66. "The dominant idea of all geographical progress is that of terrestrial unity." This statement is attributed to
- [A] Friedrich Ratzel
 [B] Richard Hartshorne
 [C] Vidal de La Blache
 [D] Jean Brunhes
67. Which one of the following perspectives was responsible for a radical transformation in the spirit and purpose of geography?
- [A] Structuralism
 [B] Humanism
 [C] Post-modernism
 [D] Quantification
68. The statement - "Systematic geography must move into theoretical spheres and Regional Geography into a search for generic and not unique studies" was made by
- [A] Richard Hartshorne
 [B] Isaiah Bowman
 [C] William Bunge
 [D] Peter Haggett
69. In which century did the Industrial Revolution start?
- [A] Mid-18th century
 [B] 17th century
 [C] 19th century
 [D] 16th century
70. The main thrust of regional planning is
- [A] to increase per capita income
 [B] to remove regional disparity
 [C] to initiate economic growth
 [D] to have industrial expansion



71. Which of the following North-Eastern States has recorded the highest literacy rate as per 2011 census?

- [A] Assam
- [B] Meghalaya
- [C] Arunachal Pradesh
- [D] Mizoram

72. Where is Nathu La pass located?

- [A] Mizoram
- [B] Arunachal Pradesh
- [C] Sikkim
- [D] Nagaland

73. In which north-eastern State is the 'Hornbill Festival' celebrated?

- [A] Assam
- [B] Nagaland
- [C] Tripura
- [D] Manipur

74. According to the UNDP, urban areas will house _____ of the world's total population by 2050.

- [A] 50%
- [B] 68.4%
- [C] 45%
- [D] 71%

75. Which one of the following is a non-probability sampling?

- [A] Purposive
- [B] Simple random
- [C] Systematic
- [D] Stratified

76. Which ocean current is responsible for the warm climate of Western Europe?

- [A] Canary Current
- [B] Gulf Stream
- [C] Benguela Current
- [D] Humboldt Current



77. 'Parallel Retreat' is a term generally associated with

- (i) Davisian Cycle of Erosion
- (ii) LC King Theory of Slope Development
- (iii) Penck's Cycle of Erosion
- (iv) Wood's Theory of Slope Development

Select the **correct** option.

- [A] Only (i), (ii) and (iv)
- [B] Only (i) and (ii)
- [C] Only (ii) and (iii)
- [D] Only (iv)

78. Which of the following is **not** a characteristic feature of mangrove vegetation?

- [A] Blind roots
- [B] Tolerance to salinity
- [C] Viviparous mode of reproduction
- [D] All are the features of mangrove vegetation

79. Arrange the following Acts according to their year of passing.

- (i) Environment Protection Act
- (ii) Biological Diversity Act
- (iii) Wildlife Protection Act
- (iv) National Green Tribunal Act

Select the **correct** option.

- [A] (iii), (i), (ii), (iv)
- [B] (iii), (ii), (i), (iv)
- [C] (iii), (iv), (i), (ii)
- [D] (ii), (i), (iii), (iv)



80. A 'Greenfield edge city' is defined as

- [A] a city developing around a shopping mall or highway
- [B] a city that rises as a result of an upcoming suburban town
- [C] a city that grows from an old city
- [D] None of the above

81. SAARC has an observer status at which of the following organisations?

- [A] IPCC
- [B] European Union
- [C] OPEC
- [D] UN

82. Which of the following is associated with an international agreement on 'substances that deplete the ozone layer'?

- [A] Paris Agreement
- [B] Marrakech Accords
- [C] Montreal Protocol
- [D] Kyoto Protocol

83. Which of the following statistical techniques is used to analyze the interdependence of the variables?

- [A] Location quotient
- [B] Standard score
- [C] Principal components analysis
- [D] Coefficient of variability

84. Cambay Graben is associated with which one of the following earthquakes?

- [A] Bhuj earthquake
- [B] Latur earthquake
- [C] Jabalpur earthquake
- [D] Quetta, Balochistan earthquake

85. The geometrical shape formed by a group of buildings is termed as

- [A] site
- [B] location
- [C] pattern
- [D] situation

86. According to Köppen's climatic classification, 'Amw' climate is found in

- [A] Assam
- [B] Goa
- [C] Punjab
- [D] Arunachal Pradesh

87. Which one of the following terms is **not** related to Continental Drift Theory?

- [A] Panthalassa
- [B] Paleoclimate
- [C] Seafloor spreading
- [D] Jigsaw fit

88. Laminar flow of air refers to

- [A] movement of particles in all directions
- [B] movement of particles in one direction
- [C] deflection in the direction of surface winds
- [D] decrease of air pressure between two isobars

89. Which one of the following is **not** a feature of the Age of Exploration?

- [A] Promotion of search for truth
- [B] Formulation of new interpretations
- [C] Academic restrictions
- [D] Undermining religious beliefs

90. Inductive approach is related to

- [A] deduced knowledge
- [B] empirically observed knowledge
- [C] philosophical knowledge
- [D] theological knowledge

91. Which one of the following refers to a relationship between the natural environment and cultural group?

- [A] Cultural ecology
- [B] Cultural convergence
- [C] Cultural diffusion
- [D] Cultural hearth

92. Which of the following statements about the El Niño-Southern Oscillation (ENSO) is **not true**?



- [A] El Niño events typically lead to warmer sea surface temperatures in the central and eastern Pacific Ocean.
- [B] La Niña events typically result in cooler than normal sea surface temperatures in the central and eastern Pacific Ocean.
- [C] ENSO events only affect the climate of the Pacific Ocean region.
- [D] ENSO is characterized by variations in the atmospheric pressure patterns and sea surface temperatures.

93. Which of the following statements about biodiversity is **not true**?

- [A] High biodiversity ensures ecosystem resilience and productivity.
- [B] Biodiversity hotspots are regions with a high number of endemic species and are under significant threat.
- [C] Monoculture farming practices increase biodiversity by providing uniform habitats for many species.
- [D] Loss of biodiversity can disrupt ecosystem services such as pollination and water purification.

94. Which of the following statements about the ozone layer is **not true**?

- [A] The ozone layer protects living organisms from harmful ultraviolet (UV) radiation.
- [B] The main cause of ozone layer depletion is the emission of chlorofluorocarbons (CFCs).
- [C] The Montreal Protocol is an international treaty designed to phase out substances that deplete the ozone layer.
- [D] The ozone layer is located in the mesosphere, above the stratosphere.

95. Effective use of TEK is found in

- [A] agricultural practices
- [B] traditional healthcare
- [C] conservation of nature/natural resources
- [D] All of the above

96. Which model is a way of explaining tourist flows?

- [A] The Mobility model
- [B] The Leiper model
- [C] The Triangle model
- [D] The Gravity model

97. Which tribe in Nagaland is known for their vibrant traditional attire adorned with colorful beads, feathers and intricate designs?

- [A] Angami
- [B] Kuki
- [C] Ao
- [D] Garo



98. Which of the following is a metamorphic rock?

- [A] Quartz
- [B] Limestone
- [C] Marble
- [D] Granite

99. Many writers refer to him as the founder of modern geography. He is

- [A] Sebastian Minister
- [B] Varenius
- [C] Martin Behaim
- [D] Alexander von Humboldt

100. Adjacent overlapped pair of aerial photographs are called

- [A] Photo map
- [B] Stereoscope
- [C] Stereopair
- [D] None of the above

SPACE FOR ROUGH WORK



SPACE FOR ROUGH WORK



SEAL

SPACE FOR ROUGH WORK

SEAL

★★★

/21-a



16

DDD24/4(171)-

SEAL