

(Booklet Number)



Duration : 90 Minutes

No. of Questions : 50

Full Marks : 100

INSTRUCTIONS

1. All questions are of objective type having four answer options for each. Only one option is correct. Correct answer will carry full marks 2. In case of incorrect answer or any combination of more than one answer, ½ mark will be deducted.
2. Questions must be answered on OMR sheet by darkening the appropriate bubble marked A, B, C or D.
3. Use only **Black/Blue ink ball point pen** to mark the answer by complete filling up of the respective bubbles.
4. Mark the answers only in the space provided. Do not make any stray mark on the OMR Sheet.
5. Write question booklet number and your roll number carefully in the specified locations of the OMR Sheet. Also fill appropriate bubbles.
6. Write your name (in block letter), name of the examination centre and put your signature (as is appeared in Admit Card) in appropriate boxes in the OMR Sheet.
7. The OMR Sheet is liable to become invalid if there is any mistake in filling the correct bubbles for question booklet number/roll number or if there is any discrepancy in the name/signature of the candidate, name of the examination centre. The OMR Sheet may also become invalid due to folding or putting stray marks on it or any damage to it. The consequence of such invalidation due to incorrect marking or careless handling by the candidate will be sole responsibility of candidate.
8. Candidates are not allowed to carry any written or printed material, calculator, pen, docu- pen, log table, wristwatch, any communication device like mobile phones, bluetooth devices etc. inside the examination hall. Any candidate found with such prohibited items will be **reported against** and his/her candidature will be summarily cancelled.
9. Rough work must be done on the question booklet itself. Additional blank pages are given in the question booklet for rough work.
10. Hand over the OMR Sheet to the invigilator before leaving the Examination Hall.
11. Candidates are allowed to take the Question Booklet after examination is over.

Signature of the Candidate : _____
(as in Admit Card)

Signature of the Invigilator : _____

Geography



CONFIDENTIAL

CONFIDENTIAL

PUMDET-2024
SPACE FOR ROUGH WORK

4031600842

Subject: GEOGRAPHY

(Booklet Number)



Full Marks : 100

No. of Questions : 50

Duration : 90 Minutes

INSTRUCTIONS

- All questions are of objective type having four answer options for each. Only one option is correct. Correct answer will carry full marks & in case of incorrect answer or any combination of more than one answer, 1/2 mark will be deducted.
- Questions must be answered on OMR sheet by darkening the appropriate bubble marked A, B, C or D.
- Use only black/blue ink ball point pen to mark the answer by complete filling up of the respective bubbles.
- Mark the answers only in the space provided. Do not make any stray mark on the OMR Sheet.
- Write question booklet number and your roll number carefully in the specified locations of the OMR Sheet. Also fill appropriate bubbles.
- Write your name (in block letter), name of the examination centre and put your signature (as it appears in Admit Card) in appropriate boxes in the OMR Sheet.
- The OMR Sheet is liable to become invalid if there is any mistake in filling the correct bubbles for question booklet number/roll number or if there is any discrepancy in the name/signature of the candidate, name of the examination centre. The OMR Sheet may also become invalid due to folding or putting stray marks on it or any damage to it. The consequences of such invalidation due to careless marking or careless handling by the candidate will be sole responsibility of candidate.
- Candidates are not allowed to carry any written or printed material, calculator, pen, form-pen, log table, wristwatch, any communication device like mobile phone, bluetooth device etc inside the examination hall. Any candidate found with such prohibited items will be reported against and his/her candidature will be summarily cancelled.
- Rough work must be done on the question booklet itself. Additional blank pages are given in the question booklet for rough work.
- Hand over the OMR Sheet to the invigilator before leaving the Examination Hall.
- Candidates are allowed to take the Question Booklet after examination is over.

Signature of the Candidate :

(as in Admit Card)



PUMDET-2024

1. Which of the following processes is responsible for weathering of rocks in the Karst region ?

- (A) Scree formation
- (B) Carbonation
- (C) Oxidation
- (D) Hydrolysis

2. Read the following conditions :

- 1. Cloudy sky
- 2. Cold dry air
- 3. Strong winds
- 4. Long winter nights

Which of the above conditions promote inversion of temperature ?

- (A) 1, 2 and 4
- (B) 2, 3 and 4
- (C) 1 and 4
- (D) 2 and 4

3. Which one of the following principles denotes K-7 of Christaller's Model of central places ?

- (A) Market
- (B) Administrative
- (C) Transport
- (D) Economic



4. Who wrote the book 'Illustration of the Huttonian Theory of the Earth' ?
- (A) James Hutton
 (B) Vidal de la Blache
 (C) John Playfair
 (D) W.M. Davis
5. Mesophytes are predominated in :
- (A) Tropical region
 (B) Temperate region
 (C) Polar region
 (D) Sub polar region
6. Which one of the following methods is suitable to represent the proportions of different land uses in a region ?
- (A) Line graph
 (B) Pie diagram
 (C) Hythergraph
 (D) Triangular diagram
7. Which one of the following statistical techniques involves a large number of variables to be summarized into smaller dimension ?
- (A) Chi-square
 (B) Correlation analysis
 (C) Regression
 (D) Factor analysis



PUMDET-2024

8. Which one of the following regions is with high ocean water salinity ?
- (A) Equatorial
 - (B) Polar
 - (C) Subtropical
 - (D) Subpolar
9. If Kyoto Protocol is associated with Carbon dioxide, then Montreal Protocol is related to
- (A) Methane
 - (B) Chlorofluorocarbons
 - (C) Carbon dioxide
 - (D) Ozone
10. Which one of the following sub races does **not** belong to the Caucasoid race ?
- (A) Eskimo
 - (B) Celtic
 - (C) Nordic
 - (D) East Baltic
11. Which one of the following States recorded the lowest population density in India at 2011 Census ?
- (A) Sikkim
 - (B) Nagaland
 - (C) Mizoram
 - (D) Arunachal Pradesh



PUMDET-2024

12. Which one of the following groups of landforms are erosional features ?
- (A) Stalagmites, Natural levees, Stacks, Talus
 - (B) Corrie, Yardang, Gorge, Sinkholes
 - (C) Natural bridges, Beaches, Eskers, Star dunes
 - (D) Flood plain, Moraines, Calderas, 'U' shaped valley
13. Which of the following categories does Chile belong to, according to shape ?
- (A) Fragmented
 - (B) Fragmented cum elongated
 - (C) Elongated
 - (D) Compact cum elongated
14. Which of the following is related to the latest Great Ice Age ?
- (A) Pleistocene
 - (B) Oligocene
 - (C) Holocene
 - (D) Eocene
15. Which of the following cartographic methods is generally used to show population density ?
- (A) Contours
 - (B) Choropleth
 - (C) Dot method
 - (D) Isopleth



PUMDET-2024

16. Which of the following migration streams experiences the maximum migration in India ?

- (A) Rural to Rural
- (B) Rural to Urban
- (C) Urban to Urban
- (D) Urban to Rural

17. Arrange the following maps in order in which they are prepared small to large scale :

- 1. World map
- 2. Toposheet
- 3. Cadastral map
- 4. State Map

- (A) 2, 3, 1, 4
- (B) 1, 2, 4, 3
- (C) 1, 4, 2, 3
- (D) 3, 4, 2, 1

18. During which of the following Five-Year Plans in India, the regional approach to setting up new cities and preparation of master and regional plans was emphasized for the first time ?

- (A) Fourth Five Year Plan
- (B) Third Five Year Plan
- (C) Sixth Five Year Plan
- (D) Ninth Five Year Plan



19. The status of salinity in Indian Ocean (in northern summer) is given below. Identify the correct statements.

- I. The salinity in the Indian Ocean increases from equator to the Bay of Bengal.
- II. The salinity in the Indian Ocean decreases from equator towards the Bay of Bengal.
- III. The salinity in the Indian Ocean remains same in different parts.
- IV. The 45‰ isohaline divides the Indian Ocean into eastern and western section.
- V. Salinity is more in the Arabian Sea than the Bay of Bengal.

Choose the correct answer from the options given below :

- (A) II and V only
- (B) I and II only
- (C) III and V only
- (D) IV and V only

20. The Standard error of mean is calculated on the basis of

- I. Grand Mean
- II. Size of the sample
- III. Sample standard deviation
- IV. Sampling distribution of mean
- V. Population mean

Choose the correct answer from the options given below :

- (A) IV and V only
- (B) II and III only
- (C) I and IV only
- (D) II and V only



21. Which of the following is **not** a measure of economic development ?
- (A) Incidence of Poverty
 - (B) Physiographic divisions
 - (C) Green Index
 - (D) Life Status
22. Which of the following kinds of towns was **not** planned and developed during the British Rule in India ?
- (A) Model Towns
 - (B) Cantonment Towns
 - (C) Railway Colony Towns
 - (D) Hill Station Towns
23. In spite of having continents of different heights and oceans of different depths, these are at a state of equilibrium, is explained by
- (A) Isostasy
 - (B) Plate Tectonics
 - (C) Continental drift
 - (D) Dynamic Equilibrium
24. Nick point of a river is an indication of
- (A) Antecedent stream
 - (B) Master consequent stream
 - (C) Rain fed stream
 - (D) Rejuvenation of a stream



PUMDET-2024

25. The Chotanagpur plateau is primarily composed of
- (A) Sedimentary rocks such as Sandstone and Limestone
 - (B) Archaean rocks such as Granite and Gneiss
 - (C) Metamorphic rocks such as Schist and Phyllite
 - (D) Mostly Basalt
26. The arbitrary value for the Central Meridian for False Easting is
- (A) 100,000 m
 - (B) 500,000 m
 - (C) 1000,000 m
 - (D) 5000,000 m
27. NATMO is primarily responsible for producing
- (A) Thematic maps
 - (B) Topographic maps
 - (C) Weather charts
 - (D) Geological maps
28. Which of the following software is specially used for image processing ?
- (A) ArcGIS
 - (B) MapInfo
 - (C) Geometica
 - (D) ERDAS IMAGINE



29. Mean, Median and Mode of a distribution become equal when the distribution is

- (A) Normal
- (B) Positively skewed
- (C) Negatively skewed
- (D) Asymtotic

30. The Gnomon was first used by

- (A) Herodotus
- (B) Omar Khaiyam
- (C) Anaximander
- (D) Hippocrates

31. Karewas are

- (A) Lacustrine deposits
- (B) Aeolian deposits
- (C) Glacial deposits
- (D) Marine deposits

32. Which of the following grouping methods is the most suitable when the distribution is asymmetric ?

- (A) Classes with same frequency
- (B) Open ended classes
- (C) Classes with equal class intervals
- (D) Classes with unequal class intervals



33. Census of India count migration based on
- Place of birth
 - Place of last residence
 - Both of (A) and (B)
 - Neither (A) nor (B)
34. The most important factor responsible for degradation of channels of the Gangetic Delta in the recent years is
- Global warming
 - Change in the nature of river basin
 - Anthropogenic factors coupled with change in hydrological characters of river basin
 - Construction of the Farakka Barrage
35. Ternary diagram used by Ashok Mitra was to
- Attempt functional classification of urban centres
 - Classification of soil texture
 - Classification of cereal crops
 - Classification of languages
36. Who of the following experts is known as the 'Father of Green Revolution' in India ?
- Nirpakh Tutej
 - Durgesh Patel
 - M.S. Swaminathan
 - Verghese Kurien



PUMDET-2024

37. The First Five Year Plan started in India in the year
- (A) 1951
 - (B) 1956
 - (C) 1961
 - (D) 1966
38. AMRUT is related to
- (A) A government scheme on socio-religious activity
 - (B) A government scheme on rural development
 - (C) A government scheme on urban development
 - (D) A government scheme on urban transportation
39. Water used in a Hygrometer is
- (A) Saline water
 - (B) Mineral water
 - (C) Lime water
 - (D) Distilled water
40. If the cloud cover is 8 Octa, the sky condition is
- (A) Obscured sky
 - (B) Clear sky
 - (C) Sky Overcast
 - (D) Heavily clouded condition
41. Which organisation of India maintains GTS Benchmarks ?
- (A) ISRO
 - (B) Geological Survey of India
 - (C) Botanical Survey of India
 - (D) Survey of India



42. LULC of a city is represented by :

- (A) Choropleth map
- (B) Choroschematic map
- (C) Isopleth map
- (D) Chorochromatic map

43. If the length of a bridge shown on a map drawn on a scale of 1:50000 is 2 cm, the length of the same bridge on a map drawn on a scale of 1:10000 would be

- (A) 12 cm
- (B) 3 cm
- (C) 1.5 cm
- (D) 10 cm

44. Gerrymandering is associated with

- (A) Manipulation of election result by demarcation of the boundary in a particular way
- (B) Federal structure of states
- (C) Formation of enclaves
- (D) Hegemony of powerful countries

45. The 'World System Theory' in Political Geography is propounded by

- (A) A. Losch
- (B) I. Wallerstein
- (C) W. Christaller
- (D) W. Isard

46. Gujjars and Bakarwals of Kashmir are

- (A) Transhumance
- (B) Small trader
- (C) Craftsman
- (D) Shikara owner



47. The word 'Marusthali' means

- (A) Hot Desert
- (B) Semi-desert
- (C) The Land of the Dead
- (D) The Thar

4031600845

(Booklet Number)



Duration : 90 Minutes

No. of Questions : 50

Full Marks : 100

48. Halophyte plants are widely distributed in

- (A) Northern Mountains
- (B) Thar Desert
- (C) The Brahmaputra valley
- (D) Salt Marshes of the Rann of Kachchh

49. 'Kankar' in the form of Lime Modules are found in the soil of

- (A) Eastern India
- (B) Coastal India
- (C) The Sundarban
- (D) Semi-Arid Regions of the N-W India

50. The book entitled 'A Revised Survey of the Forest Types of India' is authored by

- (A) Sir Harry G. Champion and S.K. Seth
- (B) O.H.K. Spate
- (C) D.N. Wadia
- (D) A.T.A. Learmonth

