

COMMON P. G. ENTRANCE TEST – 2024 (CPET-2024)

Test Booklet No. :

00604

Subject Code : **13**

Hall Ticket No. :

Subject: **GEOGRAPHY**

TEST BOOKLET

Time Allowed : 60 Minutes

Full Marks : 80

: INSTRUCTIONS TO CANDIDATES :

1. The Test Booklet contains **15** pages including the cover page and **80** (Question Nos. 1 to 80) multiple choice questions.
2. DO NOT break open the seal of the Test Booklet until the invigilator instructs to do so.
3. The candidates must check discrepancy, if any (like up-printed or torn or missing pages or missing questions) in the Test Booklet immediately after breaking the seal of the Test Booklet. If detected, the invigilator may be requested to replace the same.
4. Candidates are required to fill up and darken the **Hall Ticket No, Test Booklet Serial No.** and **OMR Answer Sheet Serial No.** in attendance sheet carefully. Wrongly filled in OMR Answer Sheet is liable for rejection.
5. Each question has four choices / answers marked (A), (B), (C), (D). Candidate has to select the most appropriate choice / answer to each question and darken the oval completely against the question number provided in the OMR Answer Sheet.
6. Indicate only one choice / answer from the options provided by darkening the appropriate oval in the OMR Answer Sheet. More than one response to a question shall be treated as a wrong answer.
7. Use only **Black Ball Point Pen** for darkening the oval for answering.
8. All the questions are compulsory and they carry equal marks. The total marks scored by a candidate depends on the number of correct choices / answers darkened in the OMR Answer Sheet. There will be no negative marking for wrong answers.
9. No candidate shall be allowed to leave the Examination Hall / Room till all OMR Answer Sheets have been collected by the invigilator.
10. On completion of the entrance test, the original OMR Answer Sheet be handed over to the invigilator. Candidates are allowed to take the second copy of the OMR Answer Sheet along with the used Test Booklet for reference.
11. Candidates are not allowed to carry any personal belongings including electronic devices such as scientific calculator, cell phones, headphones, earbuds, or any other type of devices that allow communication of any kind inside the Examination Room / Hall.
12. The candidates are advised not to scribble or make any mark on the OMR Answer Sheet except marking the answers at the appropriate places and filling up the details required. Rough work, if any, may be done in the blank sheet(s) provided at the end of the Test Booklet.
13. Any malpractice / use of unfair means will lead to your disqualification from the entrance test / admission process and may also lead to appropriate legal action as deemed fit.

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

GO – 12/17

(Turn over)

SEAL

08804

Test Booklet No.

Test Ticket No.

Subject Code : 13

Subject : GEOGRAPHY

TEST BOOKLET

Full Marks : 80

Time Allowed : 60 Minutes

INSTRUCTIONS TO CANDIDATES

1. The test booklet contains 45 pages including the cover page and 80 (Question Nos. 1-80) multiple choice questions.
2. DO NOT break open the seal of the Test Booklet until the invigilator instructs to do so.
3. The candidates must check the accuracy of the data entered in the OMR Answer Sheet immediately after opening the booklet. If there is any discrepancy, the invigilator may be requested to rectify the same.
4. Candidates are required to fill up and darken the Ball Ticket No., Test Booklet Serial No. and OMR Answer Sheet Serial No. in attendance sheet carefully. Wrongly filled in OMR Answer Sheet is liable for rejection.
5. Each question has four choices (A), (B), (C), (D). Candidate has to select the most appropriate choice. Answer to each question and darken the oval completely against the question number provided in the OMR Answer Sheet.
6. Mark only one choice (A/B/C/D) for each question. Darkening more than one choice over in the OMR Answer Sheet will be treated as a wrong answer. More than one response to a question shall be treated as a wrong answer.
7. Use only black Ball Point pen for darkening the oval for answering.
8. All the questions are compulsory and carry equal marks. The total marks scored by candidate are marked on the number of correct choices darkened in the OMR Answer Sheet. There will be no negative marking for wrong answer.
9. No candidate shall be allowed to leave the Examination Hall Room till all OMR Answer Sheets have been collected by the invigilator.
10. On completion of the entrance test, the original OMR Answer Sheet be handed over to the invigilator. Candidates are allowed to take the second copy of the OMR Answer Sheet along with the used test booklet for reference.
11. Candidates are not allowed to carry any personal belongings including electronic devices such as mobile, calculator, cell phone, headphones, earbuds, or any other type of device that allow communication of any kind into the Examination Room Hall.
12. The candidates are advised not to scribble or make any mark on the OMR Answer Sheet except darkening the answers of the appropriate places and filling up the designated Rough work area. Any mark on the blank sheet provided at the end of the Test Booklet.
13. Any misconduct or use of unfair means will lead to your disqualification from the entrance test. Candidates who are found guilty of any unfair means will be treated as disqualified.

DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO

1. The concept of "Landform is a function of the trilogy of structure, process and stage." was given by :
- (A) Griffith Taylor (B) W. Penck
(C) W. D. Thornbury (D) W. M. Davis
2. Which of the following layers of the Earth's interior has a density of 11.0 g/cm^3 ?
- (A) Inner Core (B) Outer Core
(C) Lower Mantle (D) Upper Mantle
3. Which of the following metamorphic rocks is characteristically different from the other three ?
- (A) Gneiss (B) Graphite
(C) Quartzite (D) Slate
4. Which of the following volcanos in the world is associated with a caldera ?
- (A) The Chimborazo (B) The Krakatoa
(C) The Mayon (D) The Kilimanjaro
5. 'Pahoehoe' refers to a :
- (A) Type of earthquake (B) Type of intrusion
(C) Type of lava flow (D) Type of volcano
6. Which of the following erosive actions is exclusive to wind erosion ?
- (A) Abrasion (B) Corrosion
(C) Deflation (D) Plucking
7. Which of the following type of valleys is associated with Karst Topography ?
- (A) Blind valley (B) Hanging valley
(C) U-shaped valley (D) V-shaped valley
8. The armchair-shaped topography formed by the mountain glaciers is known as :
- (A) Aerate (B) Cirque
(C) Esker (D) Roche Moutonnee

9. When contours are closely spaced in some part of a hill slope, the landform feature is called a/an :
- (A) Conical hill (B) Escarpment
(C) Plateau (D) V-shaped valley
10. The circumference of which parallel is almost half of the circumference of the Earth's equator ?
- (A) 40°N (B) 50°S
(C) 60°N (D) 70°S
11. When a map is prepared such that the geographic size is altered to be directly proportional to the selected variable it is called a :
- (A) Cartogram (B) Fantasy map
(C) Pictorial map (D) Planform
12. Which of the following types of map projections is used to prepare the topographical sheets ?
- (A) Bonne's Projection (B) Cylindrical Projection
(C) Polyconic Projection (D) Simple conic Projection
13. A map with R. F. 1 : 60,00,000 is enlarged four times of its area. What is scale of the new enlarged map ?
- (A) 1 cm equals to 15 km (B) 1 cm equals to 30 km
(C) 1 cm equals to 120 km (D) 1 cm equals to 240 km
14. Consider the following facts about the Pygmy people. Which of the same is not true ?
- (A) They are of short stature.
(B) They are aboriginal pastoralists.
(C) They live in the Congo River basin area.
(D) They reside in stilt houses built on tree trunks.
15. Which of the following cultures is known as the "Sinosphere" ?
- (A) Greater Chinese (B) Greater Middle East
(C) East Asian (D) Lusophone

16. To which of the following racial groups do the "Parsees in Mumbai" belong ?
 (A) Alpinoid (B) Armenoid
 (C) Dinarics (D) Nordics
17. In which of the following patterns of rural settlements there are roads to different directions from a focal point ?
 (A) Circular (B) Linear
 (C) Radial (D) Rectangular
18. Within which thermal layer of the atmosphere is the 'Ionosphere' situated ?
 (A) Troposphere (B) Stratosphere
 (C) Mesosphere (D) Thermosphere
19. "The rate at which the solar radiation is intercepted by the earth-atmosphere system" is known as :
 (A) Albedo (B) Insolation
 (C) Solar constant (D) Stefan-Boltzmann constant
20. Which among the following winds exhibits a more or less periodic behaviour ?
 (A) Anabatic wind (B) Land breeze
 (C) Mistral (D) Monsoon
21. What type of rainfall usually occurs on the western side of the Western Ghats in India ?
 (A) Convectional (B) Cyclonic
 (C) Frontal (D) Orographic
22. Which of the following type of clouds is associated with the thunderstorms ?
 (A) Cumulonimbus (B) Cumulus
 (C) Nimbostratus (D) Stratocumulus
23. As per the Koppen's scheme of climatic classification, what type of climate does the symbol 'Am' imply ?
 (A) Tropical Desert (B) Tropical Monsoon
 (C) Tropical Rainforest (D) Tropical Savanna

24. What are the two thermometric liquids used in the Six's thermometer ?
 (A) Alcohol and Liquid Nitrogen (B) Alcohol and Mercury
 (C) Liquid Nitrogen and Mercury (D) Mercury and Water
25. Adjacent to three of the following island groups exist deep oceanic trenches. Which one is the exception ?
 (A) The Aleutian islands (B) The Hawaiian islands
 (C) The Japanese islands (D) The West Indian islands
26. Within which country is the "Great Salt Lake" located ?
 (A) Greece (B) Russia
 (C) Turkey (D) The U. S. A.
27. Which of the following currents is not associated with upwelling ?
 (A) The Agulhas (B) The Benguela
 (C) The Humboldt (D) The Labrador
28. Three of the following currents of the Pacific Ocean are synonymous. Which is the other one ?
 (A) The Alaska current (B) The Kamchatka current
 (C) The Okhotsk current (D) The Oyashio current
29. Which of the following statements regarding "Atolls" is not correct ?
 (A) An atoll encloses an open lagoon.
 (B) Atoll is a ring of growing corals.
 (C) Atolls are mostly found in the subtropical oceans.
 (D) Most of the reef of an atoll is underwater.
30. Which current has played a significant role in the formation of the Atacama Desert ?
 (A) The Benguela current (B) The El Nino current
 (C) The Falkland current (D) The Peru current
31. Who is the proponent of the "Dynamic Theory" of tides ?
 (A) Airy (B) Laplace
 (C) Newton (D) Whewell

32. Three of the following are the sources of secondary data. Which one is not ?
- (A) Canvassing questionnaire (B) Dissertations
(C) National Sample Survey (D) Population Census
33. Which among the following values given in the options is the second quartile of the variable given hereunder ?

Variable : 37, 87, 45, 75, 52, 55, 60, 72, 40, 81, 67

- (A) 45 (B) 60
(C) 61 (D) 75
34. Which of the following statistical diagrams is otherwise known as 'Ogive' ?
- (A) Cumulative frequency curve (B) Frequency polygon
(C) Histogram (D) Histogram
35. Which measure of dispersion is the square root of variance ?
- (A) Mean deviation (B) Quartile deviation
(C) Range (D) Standard deviation
36. The following table gives the mean and standard deviation of rainfall (in cm). Which place exhibits the highest rainfall variability among the four?

Places	A	B	C	D
Mean	68.45	134.58	28.34	241.22
Standard Deviation	16.35	22.14	7.39	41.62

- (A) Place A (B) Place B
(C) Place C (D) Place D
37. Yield rate of rice (in quintals/hectare) [Var. Y] was regressed upon fertilizer used per hectare (in Kg/Ha) [Var. X] for four different areas and the following regression equations were obtained. Which of the same areas would yield the maximum among the four if no fertilizer is applied?
- (A) Area A : (Equation – $Y = 16.24 + 2.52 X$)
(B) Area B : (Equation – $Y = 6.47 + 4.95 X$)
(C) Area C : (Equation – $Y = 11.40 + 3.08 X$)
(D) Area D : (Equation – $Y = 20.31 + 3.54 X$)

38. Which one of the following districts in Odisha has common borders with Andhra Pradesh and Chhattisgarh ?
- (A) Gajapati (B) Malkangiri
(C) Nabrangpur (D) Raygada
39. Identify the incorrect pair of highlands of origin and corresponding streams from among the following :
- (A) The Mahenragiri hills – The Nagavali
(B) The Rishi Parbat – The Rushikulya
(C) The Sonabeda plateau – The Jonk
(D) The Thuamul Rampur range – The Indravati
40. Which of the following streams associated with the Mahanadi River is characteristically different from the other three ?
- (A) The Birupa (B) The Chitrotpala
(C) The Ib (D) The Kathjodi
41. Which of the following waterfalls is situated on the Budhabalanga River ?
- (A) The Barehipani (B) The Duduma
(C) The Pradhanpat (D) The Putudi
42. Which is the largest of the iron ore mines in Odisha in terms of production ?
- (A) Balani (B) Balda
(C) Joda East (D) Kalta
43. Which of the following urban centers in Odisha can be differentiated from the other three in terms of its functional specialisation ?
- (A) Anugul (B) Damanjodi
(C) Paradip (D) Rourkela
44. Which planned township in Odisha has a Russian imprint ?
- (A) Bhubaneswar (B) Paradip
(C) Rourkela (D) Sunabeda

45. "It seeks to suggest that the environment offers a number of possibilities, and their utilization is dependent almost entirely on human selection". This approach in geography is known as :
- (A) Geocratic (B) Normative
(C) Theocratic (D) Weocratic
46. Who among the following scholars in geography developed the concept of "genre de vie" which referred to distinctive lifestyles adapted to specific environments ?
- (A) Alexander Von Humboldt (B) Carl Ritter
(C) Ellen Churchill Semple (D) Paul Vidal de La Blache
47. Which of the following works in the field of geography is the contribution of Carl Ritter ?
- (A) Anthropogeographie (B) Cosmos
(C) Die Erdkunde (D) Principles of Human Geography
48. Which Greek Geographer is known for his monumental work of seventeen volumes of "Geographia" ?
- (A) Eratosthenes (B) Hipparchus
(C) Hippocrates (D) Strabo
49. The economic activity that is associated with 'either the intellectual or knowledge-based economy' is known as the :
- (A) Primary activity (B) Secondary activity
(C) Tertiary activity (D) Quaternary activity
50. Animal keeping along with cultivation is practiced in the densely populated areas of Europe and China. This type of farming practice is called :
- (A) Intensive farming (B) Mixed farming
(C) Poultry farming (D) Truck gardening
51. "Isodapane" is the imaginary line joining the places of equal :
- (A) Assembly cost (B) Labour cost
(C) Marketing cost (D) Total transport cost

52. Which of the following types of environmental regions is noticed on the western part of the continents in between 30° and 35° latitudes in both the hemispheres ?
- (A) Cold desert (B) Hot desert
(C) Mediterranean (D) Savanna
53. The role played by an organism in an ecosystem is known as :
- (A) Biome (B) Ecological niche
(C) Habitat (D) Trophic level
54. The Man and Biosphere Programme (MAB) is sponsored by the :
- (A) UNICEF (B) UNEA
(C) UNEP (D) UNESCO
55. Who gave a geographical orientation to the Perroux's 'Growth Pole Theory' ?
- (A) A. R. Kuklinski (B) J. R. Boudeville
(C) John Friedmann (D) N. M. Hansen
56. Who elaborated upon the concepts of 'spread effect' and 'backwash' effect ?
- (A) A. O. Hirschman (B) Gunnar Myrdal
(C) John Friedman (D) Louis Lefebvre
57. "Garibi Hatao" was the slogan of which Five Year Plan in India ?
- (A) Fourth (B) Fifth
(C) Sixth (D) Seventh
58. Upon which of the following objectives did the Second Five Year Plan in India emphasize ?
- (A) Balanced regional development
(B) Green revolution
(C) Massive industrialisation
(D) Integrated rural development

59. Which of the neighbouring countries has a poorer "Human Development Index" than that of India as per the UNDP report 2023-24 ?
- (A) Bangladesh (B) Nepal
(C) Pakistan (D) Sri Lanka
60. Which of the following types of GPS receivers is also known as the "GPS Mice"?
- (A) Carrier Phase receivers (B) Dual-Frequency receivers
(C) Not-self-contained receivers (D) Self-Contained receivers
61. Which of the following is an input to geoprocessing ?
- (A) Alphabets (B) Alphanumeric
(C) Datasheet (D) Numeric
62. Which of the following sensors is an 'Active Sensor' in remote sensing ?
- (A) Electro-optical scanner (B) Laser scanner
(C) Television camera (D) Return beam vidicon
63. Which type of resolution of an imaging system describes its ability to describe very slight difference in energy ?
- (A) Radiometric resolution (B) Spatial resolution
(C) Spectral resolution (D) Temporal resolution
64. Which of the following is not a use of the "Total Station Theodolite" ?
- (A) Computation of area
(B) Forecasting weather
(C) Location of points
(D) Measurement of distance and elevation
65. In the context of Remote Sensing the angular distance from _____ to body is known as Co-declination. (fill in the blank)
- (A) Equator (B) Horizon
(C) Pole (D) Zenith

66. Which of the following mountain passes in the Himalayas is located far away from the other three ?
- (A) The Bom Di La (B) The Jelep La
(C) The Nathu La (D) The Zoji La
67. Which among the following places in India experiences the maximum seasonal contrast in temperature ?
- (A) Jaisalmer (B) Kanyakumari
(C) Leh (D) Shillong
68. Which of the following is an azonal soil ?
- (A) Black soil (B) Loess
(C) Lateritic soil (D) Red soil
69. Which of the following tree species grown in the Indian forests is different from the other three in terms of its type of vegetation ?
- (A) Ebony (B) Mahogany
(C) Rosewood (D) Teak
70. Which district in India has the highest sex ratio of population as per 2011 Census ?
- (A) Almora (B) Kannur
(C) Mahe (D) Pathanamthitta
71. Which of the following pairs of Iron and steel plants in India and corresponding feeder mines is incorrectly matched ?
- (A) Bhilai – Dalli Rajhara (B) Jamshedpur – Noamundi
(C) Salem – Kiriburu (D) Vishakhapatnam – Bailadila
72. Which of the following railway zones in India has its headquarters at CBD Belapur, Navi Mumbai ?
- (A) The Central Railways (B) The Konkan Railways
(C) The South Western Railways (D) The Western Railways

73. What was the contribution of P. Sengupta and Galina Sdasyuk to the Geography of India ?
- (A) Identification of economic regions
 - (B) Identification of natural regions
 - (C) Identification of planning regions
 - (D) Identification of socio-cultural regions
74. Which of the following highway projects in India is an ecosystem of road development which includes tunnels, bridges, elevated corridors, flyovers, overpass, interchanges, bypasses, ring roads etc. to provide shortest and optimised connectivity to multiple places ?
- (A) Bharatmala
 - (B) Golden Quadrilateral
 - (C) Greenfield Expressways
 - (D) North-South and East-West corridors
75. Which of the following river valleys of India is most flood-prone ?
- (A) The Brahmaputra
 - (B) The Godavari
 - (C) The Kaveri
 - (D) The Mahanadi
76. The "Bhopal Tragedy" of 1984 was a case of :
- (A) Chemical disaster
 - (B) Epidemic disaster
 - (C) Natural disaster
 - (D) Nuclear disaster
77. Many workers from the villages of Ganjam district move to Surat for working in the textile sector. What type of migration is this ?
- (A) Rural to rural
 - (B) Rural to urban
 - (C) Urban to rural
 - (D) Urban to urban
78. In which stage of demographic transition do both the crude birth rates and the crude death rates remain high ?
- (A) Mature industrial
 - (B) Post-industrial
 - (C) Pre-industrial
 - (D) Urbanising/industrialising

79. Which of the following resources is different from the other three in terms of ownership ?

(A) Cremation ground

(B) Homestead

(C) Playground

(D) Public park

80. Which metropolitan city in India has the largest share of slum population to total population ?

(A) Chennai

(B) Delhi

(C) Kolkata

(D) Mumbai



SPACE FOR ROUGH WORK

SPACE FOR ROUGH WORK

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