

**COMMON P.G. ENTRANCE TEST - 2021 (CPET-2021)**

Test Booklet No.: 134860

**HIGHER EDUCATION DEPARTMENT, GOVT. OF ODISHA**

**TEST BOOKLET**

Subject Code : **21**

Entrance Subject : **GEOGRAPHY**

Time Allowed: 90 Minutes

Full Marks : 70

**INSTRUCTIONS TO CANDIDATES**

1. Please do not open this Question Booklet until asked to do so.
2. Check the completeness of the Question Booklet immediately after opening.
3. Enter your **Hall Ticket No.** on the Test Booklet in the box provided alongside. Do not write anything else on the Test Booklet.
4. Fill up & darken Hall Ticket No. & Test Booklet No. in the Answer Sheet as well as fill up Test Booklet Serial No. & Answer Sheet Serial No. in the Attendance Sheet carefully. Wrongly filled up Answer Sheets are liable for rejection.
5. Each question has four answer options marked (A), ((B), ((C) & ((D).
6. Answers are to be marked on the Answer Sheet, which is provided separately.
7. Choose the most appropriate answer option and darken the oval completely, corresponding to (A), ((B), ((C) or ((D) against the relevant question number.
8. Use only **Blue/Black Ball Point Pen** to darken the oval for answering.
9. Please do not darken more than one oval against any question, as scanner will read such markings as wrong answer.
10. Each question carries equal marks. There will be no negative marking for wrong answer.
11. Electronic items such as calculator, mobile, etc., are not permitted inside the examination hall.
12. Don't leave the examination hall until the test is over and permitted by the invigilator.
13. The candidate is required to handover the original OMR sheet to the invigilator and take the question booklet along with the candidate's copy of OMR sheet after completion of the test.
14. Sheet for rough work is appended in the Test Booklet at the end.

1. Oxygen constitutes nearly \_\_\_\_\_ of the atmospheric gases.
  - (A) 21 %
  - (B) 15 %
  - (C) 78 %
  - (D) 5 %
  
2. The air that contains moisture to its full capacity
  - (A) Relative Humidity,
  - (B) Absolute Humidity,
  - (C) Specific Humidity,
  - (D) Saturated air
  
3. Which one of the following cloud is formed at high altitudes in the sky?
  - (A) Cirrus
  - (B) Nimbus
  - (C) Stratus
  - (D) Cumulus
  
4. Which one of the following describes the lithosphere:
  - (A) Upper and Lower Mantle
  - (B) Crust and Core
  - (C) Mantle and Core
  - (D) Crust and Upper Mantle
  
5. Which one of the following earthquake waves is more destructive?
  - (A) P-waves
  - (B) S-waves
  - (C) Surface waves
  - (D) None of the above
  
6. Which one of the following is a direct source of information about the interior of the earth?
  - (A) Gravitational force
  - (B) Earthquake waves
  - (C) Earth magnetism
  - (D) Volcanoes

7. Which type of volcanic eruptions have caused Deccan Trap formations?
- (A) Composite
  - (B) Caldera
  - (C) Shield
  - (D) Flood Basalt
8. Which of the following is not a mechanism of energy transfer?
- (A) Radiation
  - (B) Conduction
  - (C) Advection
  - (D) Ablation
9. Why are steel mills within Japan drawn to coastal locations?
- (A) Nearness to iron ore reserves
  - (B) Nearness to local markets
  - (C) Availability of cheap labour
  - (D) To minimize transportation cost for imported raw materials and steel exports
10. The theory of least cost location was proposed by
- (A) Isard
  - (B) Losch
  - (C) Weber
  - (D) Smith
11. Which one of the following criteria is not used for the classification of human races?
- (A) Nose
  - (B) Eye
  - (C) Ear
  - (D) Hair
12. Gross Cultivated Area divided by Net Sown Area is known as
- (A) Agricultural efficiency
  - (B) Crop diversification
  - (C) Crop concentration
  - (D) Crop intensity

13. Who argued that multiplecentres of nuclei were responsible for urban growth?
- (A) Harris and Ullman  
 (B) Homer Hoyt  
 (C) C.D. Despande  
 (D) Park and Burgess
14. Direction and speed of wind are controlled by a combination of factors such as
- (A) Pressure gradient  
 (B) Rotation of the earth and Coriolis force  
 (C) Altitude and latitude  
 (D) All the above
15. Which one of the following is not a local wind
- (A) Loo  
 (B) Mistral  
 (C) Foehn and Chinook  
 (D) Monsoon

16. Match List-I with list-II and select the answer from the given code:

LIST-I

- A. Tropical Cyclone  
 B. Hurricanes  
 C. Typhoons  
 D. Willy-Willies

LIST-II

- (i) China  
 (ii) Indian Ocean  
 (iii) Australia  
 (iv) Caribbean

Code:

- |     | A   | B  | C   | D   |
|-----|-----|----|-----|-----|
| (A) | ii  | iv | i   | iii |
| (B) | i   | ii | iv  | iii |
| (C) | ii  | iv | iii | i   |
| (D) | iii | i  | iv  | ii  |

17. Physical Weathering takes place due to:
- (A) Temperature
  - (B) Moisture
  - (C) Wind
  - (D) All the above

18. Match list-I with list-II and select the correct answer from the given codes given below:

LIST-I

LIST-II

- |               |                                 |
|---------------|---------------------------------|
| A. Barchan    | (i) River deposit               |
| B. Delta      | (ii) Wind deposit               |
| C. Moraines   | (iii) Underground water deposit |
| D. Stalactite | (iv) Glacier                    |

Code:

- |     | A   | B   | C   | D   |
|-----|-----|-----|-----|-----|
| (A) | ii  | i   | iv  | iii |
| (B) | i   | iii | ii  | iv  |
| (C) | ii  | iv  | iii | i   |
| (D) | iii | i   | iv  | ii  |

19. Who among the following has studied "The Law of the Primate City" ?

- (A) G. K. Zipf
- (B) M. Jefferson
- (C) W. Christaller
- (D) None of the above

20. The normal cycle of erosion is associated with

- (A) Marine Erosion
- (B) River Erosion
- (C) Wind Erosion
- (D) Glacial Erosion



21. With increase in elevation when the temperature increases is known as:
- Normal Lapse rate
  - Dry Adiabatic rate
  - Inversion of temperature
  - Terrestrial Radiation
22. In climate classification scheme who among the following identified a close relationship between the distribution vegetation and climate:
- Thornthwaite
  - Koeppen
  - Trewartha
  - None of the above
23. Coral reefs developed along th continental margins are called:
- Barrier Reef
  - Fringing Reef
  - Atoll
  - None of the above
24. Who among the following has postulated Subsidence theory of the origin of coral reefs?
- Davis
  - Daly
  - Murray
  - Darwin
25. Cocking coal is a type of –
- Peat coal
  - Lignite coal
  - Anthracite coal
  - Bituminous coal

26. Soft wood is mainly supplied by
- (A) Decidious Forest
  - (B) Caniferous Forest
  - (C) Siberian Forest
  - (D) Central European Forest
27. Von Thunen model is a model of -
- (A) Urban Landuse
  - (B) Industrial Landuse
  - (C) Population Distribution
  - (D) Agricultural Landuse
28. Which sector of economy is most important for economic development ?
- (A) Primary
  - (B) Secondary
  - (C) Tertiary
  - (D) Quarternary
29. Which is the principal mineral wealth of South-West Asia ?
- (A) Iron Ore
  - (B) Tin
  - (C) Mineral oil
  - (D) Coal
30. The famous Ruhr coal Field is situated in which country?
- (A) France
  - (B) Russia
  - (C) U.K.
  - (D) Germany
31. The biggest reserve of thorium is in -
- (A) India
  - (B) China
  - (C) Russia
  - (D) USA

32. Industrial backwardness of southern hemisphere is due to –
- Labour problem
  - Lack of managerial skill
  - Non availability of capital
  - Lack of energy
33. Christaller's theory derived very largely from a study of Central Places in
- Southern Germany
  - Europe
  - France
  - None of the above
34. Which of the following is not a tropical desert?
- Atacama
  - Mongolia
  - Kalahari
  - Arabia
35. The total assemblage of plants and animals of a given ecosystem or habitat is called –
- Formation
  - Biome
  - Mimosa
  - Floristic Kingdom
36. Which of the following belong to the same trophic level-
- Tiger and wild bear
  - Deer and honey bee
  - Snake and Earthworm
  - Crow and Cow
37. Which one of the following is responsible for origin of ocean currents?
- Rotational mechanism of the earth
  - Atmospheric factors
  - Topographic characteristics of coasts and oceans
  - All the above



38. Which one of the following is considered as effects of ocean current?
- (A) Modification in the coastal climate  
 (B) Effects on fishing  
 (C) Effects on Trade and Navigation  
 (D) All the above
39. Which one of the following is considered as green house gas?
- (A) Oxygen  
 (B) Nitrogen  
 (C) Carbon dioxide  
 (D) Non of the above
40. All places are unique and that the task of the geographer is to describe and explain the differences that exist over the surface of the earth. This is called:
- (A) Ideographic  
 (B) Deductive  
 (C) Nomothetic  
 (D) Inductive
41. Match list-I with list-II and select the correct answer from the given codes given below:

**LIST-I**

- (A) G.K Zipf  
 (B) E. W. Burgess  
 (C) W. Christaller  
 (D) E. Lee

**LIST-II**

- (i) Migration Theory  
 (ii) Central Place Theory  
 (iii) Rank Size Rule  
 (iv) Concentric Theory

**Code:**

- |     | (A) | (B) | (C) | (D) |
|-----|-----|-----|-----|-----|
| (A) | iv  | ii  | iii | i   |
| (B) | iii | iv  | ii  | i   |
| (C) | ii  | iv  | iii | i   |
| (D) | iii | i   | iv  | ii  |

42. Factors affecting Population distribution are:
- (A) Physical
  - (B) Political
  - (C) Economic
  - (D) All the above
43. Which of the following are the components of population change:
- (A) Fertility
  - (B) Mortality
  - (C) Migration
  - (D) All the above
44. Modes of occurrence of minerals are:
- (A) Igneous Ore bodies
  - (B) Sedimentary ore deposits
  - (C) Alluvial deposit
  - (D) All the above
45. Who among the following coined the term "Climatology"?
- (A) Ratzel
  - (B) Ritter
  - (C) Humboldt
  - (D) Vidal de la Blache
46. Who among the following introduced the concept of "Pays"?
- (A) Richthofen
  - (B) Strabo
  - (C) Kant
  - (D) Vidal de la Blache
47. The issue of General Geography versus Regional Geography was raised by
- (A) Bernhard Varen
  - (B) Hecatacus
  - (C) Hartshorne
  - (D) Eratosthenes

48. Who among the following had developed "Growth Pole Theory"?
- (A) Perroux
  - (B) Myrdal
  - (C) Hirschman
  - (D) Leontief
49. The "Range of a Good" refers to
- (A) The maximum distance which people have to travel to purchase a good or service.
  - (B) The variety of goods available at a market place.
  - (C) The maximum demand to make the service or good viable.
  - (D) The maximum population necessary for survival of a function.
50. The 'Administrative Principle' in Christaller's 'Central Place Theor' refers to
- (A)  $K=3$
  - (B)  $K=4$
  - (C)  $K=7$
  - (D)  $K=9$
51. Which of the following one is used to show the distribution of population?
- (A) Choropleth method
  - (B) Tint method
  - (C) Dot method
  - (D) Isopleth method
52. The surface of separation between two adjoining sedimentary beds is known as:
- (A) Dip
  - (B) Strike
  - (C) Bedding Plane
  - (D) Out Crop
53. The map, which depicts the physical as well as cultural aspects of a region is known
- (A) Weather Map
  - (B) Geological Map
  - (C) Toposheet
  - (D) None of theabove

54. If all the profiles of the series of profiles be traced on a single frame is known as:
- (A) Projected Profile
  - (B) Serial Profile
  - (C) Composite Profile
  - (D) Superimposed Profile
55. The instrument used for reduction and enlargement of maps:
- (A) Planimeter
  - (B) Pantograph
  - (C) Barometer
  - (D) None of the above
56. Metamorphic rocks are formed under
- (A) Low pressure and low temperature
  - (B) High pressure and low temperature
  - (C) High pressure and high temperature
  - (D) Low pressure and high temperature
57. An evidence that indicates rejuvenation is
- (A) Flood plain
  - (B) Incised meander
  - (C) Delta
  - (D) Gorge
58. Laplace's theory of origin of the earth is known as
- (A) Nebular Theory
  - (B) Tidal Theory
  - (C) Blast Theory
  - (D) Big bang Theory
59. Sial is:
- (A) The name of a type metal
  - (B) The name a sea mammal
  - (C) The name of a layer on the earth's surface
  - (D) None of the above



60. Which of the following migration streams constitutes the largest proportion of migration in India ?
- (A) Rural to Rural
  - (B) Rural to Urban
  - (C) Urban to Urban
  - (D) Urban to Rural
61. Which one of the following occupies Trophic Level 1 in food chain?
- (A) Bacteria
  - (B) Carnivores
  - (C) Primary consumers
  - (D) Plants
62. In the hydrological cycle evaporation is preceded by
- (A) Clouds
  - (B) Precipitation
  - (C) Heat
  - (D) Condensation
63. Air movement in the troposphere is caused by
- (A) Solar wind
  - (B) Convective current
  - (C) Gravitational force
  - (D) Air pressure
64. Warm front is
- (A) The front between Cold and warm air masses in which warm air is an aggressor
  - (B) The front between two warm air masses
  - (C) The front between Cold and Warm air masses in which cold air is an aggressor
  - (D) None of these
65. The period of Mountain –Building is called
- (A) Orogeny
  - (B) Plate tectonics
  - (C) Syncline
  - (D) Anticline



66. \_\_\_\_\_ is called the “Year of Great Divide” in the demographic history of India
- (A) 1951  
(B) 1921  
(C) 1931  
(D) 1941
67. As per 2011 census, the number of females per one thousand males in India is
- (A) 930  
(B) 940  
(C) 920  
(D) 950
68. The literacy rate in India in 2011
- (A) 68.04 %  
(B) 71.02 %  
(C) 74.04 %  
(D) 69.01%
69. Which of the following states in India is having highest urban population?
- (A) Punjab  
(B) Madhya Pradesh  
(C) Maharashtra  
(D) Uttar Pradesh
70. As per 2011 census, the percent of urban population to total population in India?
- (A) 33.36%  
(B) 31.36%  
(C) 35.36%  
(D) 37.36%

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