

Seat No.	
-------------	--

**M.Phil / Ph.D. Entrance Examination, July - 2022****GEOGRAPHY****Day and Date : Friday, 15 - 07 - 2022****Total Marks : 100****Time : 11.00 a.m. to 01.00 p.m.**

- Instructions :**
- 1) All questions are compulsory.
  - 2) Each question carries 2 marks.
  - 3) Answers should be marked in the given OMR answer sheet by darkening the appropriate option.
  - 4) Use black ball point pen only for marking the circle. Do not make any stray mark on the OMR Answer Sheet.
  - 5) Follow the instructions given on OMR Sheet.
  - 6) Rough work shall be done on the sheet provided at the end of question paper.
  - 7) Only non-programmable calculators are allowed.

- 1) The Geographical research is based on which of the following aim?
  - (A) Pure knowledge and deductive statements
  - (B) Diplomatic application and inductive statements
  - (C) Pure knowledge and diplomatic application
  - (D) Deductive and inductive statements
- 2) What are the major characteristics of theoretical research?
  - (A) Intangible and principle nature
  - (B) Tangible and diplomatic
  - (C) Bodiless and tangible
  - (D) Diplomatic and intangible
- 3) Which are the major objectives of the Geographical research?
  - (A) Theoretical research and Descriptive research
  - (B) Applied research and Experimental research
  - (C) Formulative research and Applied research
  - (D) Diagnostic research and Experimental research

## M/P ENT – 05

- 4) Which one among the following statements is/are not associate with in the context of objectives of geographical research?
- (A) To verification and test the present theories and data.
  - (B) To search truth and help to take appropriate decision in decision making process.
  - (C) To study the correlation between man and environment.
  - (D) Above all are the correct.
- 5) Which of the following is not associated with to check the applicability of hypothesis?
- (A) Clear and certainty in hypothesis
  - (B) Adequateness in hypothesis
  - (C) No relevance with present theories
  - (D) Availability of means of assessment
- 6) ELFA, GLHA, ILJA, \_\_\_\_\_, MLNA
- (A) OLPA
  - (B) KLMA
  - (C) LLMA
  - (D) KLLA
- 7) CMM, EOO, GQQ, \_\_\_\_\_ , KUU
- (A) GRR
  - (B) GSS
  - (C) ISS
  - (D) ITT
- 8) Fact 1: Most stuffed toys are stuffed with beans.  
Fact 2: There are stuffed bears and stuffed tigers.  
Fact 3: Some chairs are stuffed with beans.  
If the first three statements are facts, which of the following statements must also be a fact?
- I) Only children's chairs are stuffed with beans.
  - II) All stuffed tigers are stuffed with beans.
  - III) Stuffed monkeys are not stuffed with beans.
- (A) I only
  - (B) II only
  - (C) II and III only
  - (D) None of the statements is a known fact

- 9) The process of quantifying data is referred to as \_\_\_\_\_.
- (A) Typology
  - (B) Diagramming
  - (C) Enumeration
  - (D) Coding
- 10) A graph that uses vertical bars to represent data is called a \_\_\_\_\_.
- (A) Line graph
  - (B) Bar graph
  - (C) Scatterplot
  - (D) Vertical graph
- 11) Which of the following is used when researcher want to visually examine the relationship between two quantitative variables?
- (A) Bar graphs
  - (B) Pie graphs
  - (C) Line graphs
  - (D) Scattered diagram
- 12) 10, 25, 45, 54, 60, 75, 80.
- (A) 10
  - (B) 45
  - (C) 54
  - (D) 75
- 13) What is the name of device through which data and instructions are entered into a computer?
- (A) Software
  - (B) Input device
  - (C) Output device
  - (D) Memory

## M/P ENT – 05

- 14) Which of the following is an ascending order of TB, KB, GB, MB the units of memory ( )?
- (A) TB>MB>GB>KB
  - (B) MB>GB>TB>KB
  - (C) GB>MB>KB>TB
  - (D) TB>GB>MB>KB
- 15) GIS stands for....
- (A) Geographic Information System
  - (B) Generic Information System
  - (C) Geological Information System
  - (D) Geographic Information Sharing
- 16) Which of the following statements is concern to the capabilities of GIS?
- (A) Data capture and preparation
  - (B) Data management, including storage and maintenance
  - (C) Data manipulation and analysis
  - (D) All of the above
- 17) What is 'Metadata'?
- (A) It is ' data about data'
  - (B) It is 'meteorological data'
  - (C) It is 'oceanic data'
  - (D) It is 'contour data'
- 18) Which of the following aspect are usually interpreted in topographic sheet?
- (A) Marginal Information
  - (B) Relief and Drainage
  - (C) Human Settlement and Land Use
  - (D) All of the above
- 19) The spacing between two or more contour lines are depends on \_\_\_\_\_.
- (A) Altitude
  - (B) Area
  - (C) Steepness
  - (D) Elevation

- 20)** Which one of the following is an inventor of Cartography?  
(A) Sir Otto Blathy  
(B) Sir Nikola Tesla  
(C) John Loudon McAdam  
(D) Dr Raymond Lemieux
- 21)** Which of the following is / are the examples of small scale maps?  
(A) Wall maps  
(B) City plans  
(C) Atlas maps  
(D) Both (A) and (C)
- 22)** When various items are shown through different colours, such map is called as \_\_\_\_\_ map.  
(A) Choro-schematic  
(B) Chorochromatic  
(C) Chorographic  
(D) Choropleth
- 23)** A pre-programmed formula in Excel is called as \_\_\_\_\_.  
(A) Cell  
(B) Graph  
(C) Function  
(D) Range
- 24)** Which of the following function is used to join the selected cells in to one cell?  
(A) Filter  
(B) Wrap  
(C) Pivot  
(D) Merge
- 25)** Which of the following is/are deeply related (technology) with Remote Sensing?  
(A) Special, Temporal and Digital  
(B) Spatial, Temporal and Generic  
(C) Spatial, Digital and Temporal  
(D) Spatial, Digital and Generic

- 26)** Which of the following represents a process of chemical weathering?  
(A) Thermal expansion and contraction  
(B) Mass exfoliation  
(C) Hydration and Hydrolysis  
(D) Frost action and crystal growth
- 27)** Which of the following is concern to the origin of Geostrophic wind?  
(A) Gravitational force  
(B) Rotation of the Earth  
(C) Force of Bouncy  
(D) None of these
- 28)** How many types of earthquakes are classified based on the causes of origin?  
(A) 2  
(B) 3  
(C) 4  
(D) 5
- 29)** Which of the following is the correct order of increasing size of the given grains of soil particles?  
i) Clay            ii) Silt            iii) Sand            iv) Gravel  
(A) ii, iii, iv and i  
(B) i, ii, iii and iv  
(C) iv, iii, ii and i  
(D) i, iv, iii, and ii
- 30)** On the basis of the process of their formation, which of the following soil is formed differently from the other three?  
(A) Khadar  
(B) Bhangar  
(C) Bhabar  
(D) Regur
- 31)** Which one among the following pair of crops is most suitable for the lower Gangetic plain region having humid climate with high temperature?  
(A) Wheat and Cotton  
(B) Sugarcane and Jute  
(C) Paddy and Jute  
(D) Wheat and Sugarcane

- 32)** Which one of the following is a correct sequence in the development of German geographical thought?
- (A) Carl Troll – Oscar Peschel – Alfred Hettner – Friedrich Ratzel
  - (B) Oscar Peschel – Friedrich Ratzel – Alfred Hettner – Carl Troll
  - (C) Oscar Peschel – Carl Troll – Alfred Hettner – Friedrich Ratzel
  - (D) Friedrich Ratzel – Oscar Peschel – Carl Troll – Alfred Hettner
- 33)** Which one of the following was given the concept of ‘Lebensraum (Living Space)’? concept given by?
- (A) Tesla
  - (B) Ritter
  - (C) Troll
  - (D) Ratzel
- 34)** As per the data released in July 2011, sex ratio in Rural areas is \_\_\_\_\_ less than Urban areas.
- (A) Five times
  - (B) Four times
  - (C) Three times
  - (D) Two times
- 35)** Which of the following is/are considered a renewable source of energy?
- i) Wind                      ii) Solar                      iii) Nuclear
- Code:
- (A) Only i
  - (B) Only ii
  - (C) Only iii
  - (D) Only i and ii
- 36)** What is the trend of Urbanization in India?
- (A) Urban population is rising slowly
  - (B) Urban is falling
  - (C) Growth rate of urban population is lower than total
  - (D) Urban population is rising rapidly

- 37)** Which model of urban structure is ‘Wedge like Expansion’?  
(A) Concentric Zone Model  
(B) Sector Theory  
(C) Multiple Nuclei Theory  
(D) Exploitive Model
- 38)** Which one of the following has given ‘A new approach to functional classification of towns’?  
(A) S.B. Singh  
(B) S. M. Ali  
(C) S.M. Rafiullah  
(D) Moonis Raza
- 39)** In ensures maximum benefit to maximum people is major objective of \_\_\_\_\_.  
(A) Welfare Region  
(B) Welfare Area  
(C) Welfare State  
(D) None of these
- 40)** Which of the following factors are responsible for present crisis in the jute industry in India?  
I. The decline in overseas market  
II. Inadequately supply of raw jute  
III. Stiff competition from synthetic packing materials  
Select the correct answer from the codes given below  
(A) I and II  
(B) I, II and III  
(C) I and III  
(D) II and III
- 41)** Which of the following two states of India’s are most richly endowed with iron ore?  
(A) Bihar and Orissa  
(B) Karnataka and Orissa  
(C) Bihar and Telangana  
(D) Madhya Pradesh and West Bengal

## M/P ENT – 05

- 42) Which of the following has a potential for harnessing of tidal energy in India?
- (A) Gulf of Cambay
  - (B) Gulf of Mannar
  - (C) Backwaters of Kerala
  - (D) Chilka lake
- 43) According to recent concepts about the Origin of Indian monsoon, which among the following is/are the major factor/factors responsible for the Indian monsoon?
- I. The role of the Himalayas and Tibetan Plateau as a physical barrier and a source of high level heat.
  - II. The circulation of upper air jet streams in the troposphere.
  - III. The differential heating and cooling of the huge landmass of Asia and the India and the Pacific Ocean.
  - IV. The occurrence of El-Nino in the South Pacific and Indian Ocean.
- (A) Only I and III
  - (B) Only I, II and III
  - (C) Only II, III and IV
  - (D) I, II, III and IV
- 44) Which of the following is the oldest mountain in India?
- (A) Aravalis
  - (B) Vindhya
  - (C) Sahyadrian
  - (D) Himalaya
- 45) Which of the following types of soil are mostly confined to river basins and coastal plains of India?
- (A) Alluvial soils
  - (B) Black soils
  - (C) Laterite soils
  - (D) Red soils

**46)** Match List-I with List-II and select the correct answer using the code given below the Lists:

List I (Instrument)

- a) Udometer
- b) Barometer
- c) Anemometer
- d) Hygrometer

List II (Used to measure)

- 1) Atmospheric pressure
- 2) Rainfall
- 3) Humidity
- 4) Wind speed

- (A) a - 2; b - 3; c - 1; d - 4
- (B) a - 2; b - 1; c - 4; d - 3
- (C) a - 4; b - 1; c - 3; d - 2
- (D) a - 4; b - 3; c - 1; d - 2

**47)** Which one of the following was prepared 'City plan of Chandigarh'?

- (A) Hettner
- (B) Gottman
- (C) Le Corbusier
- (D) Carl Troll

**48)** Which is the major human race in the South-east Asia?

- (A) Mongoloid
- (B) Negroid
- (C) Coceiside
- (D) Austreloid

**49)** Soil is an end product of \_\_\_\_\_.

- (A) Erosion
- (B) Denudation
- (C) Mass wasting
- (D) Weathering

**50)** Who was an American geomorphologist put forward concept of cycle of erosion in 1899.

- (A) Penk
- (B) Davis
- (C) Humboldt
- (D) Ratzel



**Rough Work**

**Rough Work**