

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

M.Phil./Ph.D. Entrance Examination, May - 2019 (Special Drive)
GEOGRAPHY

Day and Date : Wednesday, 22 - 05 - 2019

Total Marks : 100

Time : 1.00 p.m. to 3.00 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) Controlled group condition is applied in _____.
- A) Survey Research B) Historical Research
C) Experimental Research D) Descriptive Research
- 2) Suppose you want to investigate the working efficiency of nationalised bank in India, which one of the following would you follow?
- A) Area Sampling B) Multi-stage Sampling
C) Sequential Sampling D) Quota Sampling
- 3) Which one of the following is a research tool?
- A) Graph B) Illustration
C) Schedule D) Diagram

P.T.O.

M/P ENT - 18

- 4) Which of the following statements is true in the context of the testing of a hypothesis?
- A) It is only the alternative hypothesis that can be tested.
 - B) It is only the null hypothesis that can be tested.
 - C) Both, the alternative and the null hypotheses can be tested.
 - D) Both, the alternative and the null hypotheses cannot be tested.
- 5) _____ refers to richness of color.
- A) Value
 - B) Intensity
 - C) Hue
 - D) Lightness
- 6) Landsat, SPOT and IRS satellites are having _____ orbit.
- A) Polar
 - B) Geostationary
 - C) Sunynchronous
 - D) Circular
- 7) The amount of relief displacement is inversely proportional to the _____.
- A) Radial distance
 - B) Altitude
 - C) Resolution
 - D) Height of object
- 8) Global Positioning System (GPS) is based on a principle called _____.
- A) Transmission
 - B) Trilateration
 - C) Orbiteration
 - D) Calibration

M/P ENT - 18

- 9) The type of surveying that takes into account the true shape of the earth is _____.
- A) Plane Surveying
 - B) Geodetic Surveying
 - C) Astronomical Survey
 - D) Topographic Survey
- 10) The centre of wind rose shows _____.
- A) North wards
 - B) South wards
 - C) Calm
 - D) Storm
- 11) Which of the following continents was not a part of the Laurasia landmass?
- A) Asia
 - B) Africa
 - C) North America
 - D) Europe
- 12) The crust of the earth is composed of _____.
- A) Nickel and aluminium
 - B) Nickel and ferrium
 - C) Silica and aluminium
 - D) Silica and magnesium
- 13) Which of the following processes is responsible for weathering of rocks in the Karst region?
- A) Scree formation
 - B) Carbonation
 - C) Oxidation
 - D) Hydrolysis

M/P ENT - 18

14) Indian Meteorological Department (IMD) has divided India into how many seismic zones?

A) 4

B) 5

C) 6

D) 7

15) Increase in temperature with increase in height is known as _____.

A) Lapse rate

B) Adiabatic lapse rate

C) Inversion of temperature

D) Normal rate

16) Who founded the Humanistic School of Geography?

A) Wolpert

B) Tuan

C) Kirk

D) Harvey

17) Who among the following defined Geography as Discovery of Predictive Patterns during quantitative revolution period?

A) Haggett

B) Harvey

C) Stewart

D) Bunge

- 18) Organic Theory of the State was propounded by _____.
- | | |
|--------------|------------------|
| A) Mackinder | B) Ratzel |
| C) Haushofer | D) Isaiah Bowman |
- 19) Occupational structure of population in India at State level is best represented by _____.
- | | |
|---------------|----------------|
| A) Dot Method | B) Isopleths |
| C) Choropleth | D) Pie diagram |
- 20) Which of the following is not considered to be characteristic feature of the youthful stage of an ideal normal cycle of erosion?
- | | |
|-------------------|------------------|
| A) Natural levees | B) Pot holes |
| C) Gorges | D) River capture |
- 21) Who stated that the slope profiles are convex, plane or concave according to the circumstances of the uplifting action?
- | | |
|------------|----------|
| A) Davis | B) Penck |
| C) Johnson | D) Wood |
- 22) 'An Introduction to the Application of Geography to History' and 'The Geographical Distribution of Mankind' is the work of _____.
- | | |
|-----------------------|---------------------|
| A) Vidal de la Blache | B) Carl Ritter |
| C) Alfred Hettner | D) Friedrich Ratzel |

23) What is the average depth of oceans?

- A) -3200 meters
- B) -3400 meters
- C) -3600 meters
- D) -3800 meters

24) Industries that manufacture individual components for the final assembly of product are known as:

- A) Subsidiary industries
- B) Small scale industries
- C) Ancillary industries
- D) Cottage industries

25) Who first used the term Ecology?

- A) Ernst Haeckel
- B) Tansley
- C) G. Taylor
- D) Jean Brunhes

26) Among the following which one is related to Blue Revolution in India?

- A) Horticulture
- B) Floriculture
- C) Pisciculture
- D) Sericulture

27) Which one of the following atmospheric layers reflects radio waves that are transmitted from the earth again back to the earth?

- A) Mesosphere
- B) Ionosphere
- C) Troposphere
- D) Stratosphere

- 28) The Western Coast of Australia records higher salinity due to
- A) Ocean currents B) Wind direction
C) Dry weather condition D) All the above
- 29) Who defined settlement geography first time incorporating the concept of settlement pattern, house types and field system?
- A) Meitzen B) Stone
C) Huntington D) Trewartha
- 30) Who coined termed megalopolis?
- A) M. Jefferson B) J. Gottman
C) J. Carter D) Preston James
- 31) Which one of following state is producer of Mica?
- A) Karnatak and Andhra Pradesh B) Orissa and Assam
C) Bihar and Jharkhand D) Maharashtra and Rajasthan
- 32) Mean, Median and Mode are:
- A) Measures of deviation B) Ways of sampling
C) Measures of control tendency D) None of the above

- 33) Questionnaire is a _____.
- A) Research method B) Measurement technique
C) Tool for data collection D) Data analysis technique
- 34) Non probability sampling not includes _____.
- A) Quota sampling B) Convenience sampling
C) Judgement sampling D) Random sampling
- 35) Spearman's founded _____.
- A) Partial Correlation B) Multiple Correlations
C) Rank Correlation D) Complete Correlation
- 36) Research design of a study should not include _____.
- A) objectives B) hypothesis
C) finding D) methodology
- 37) _____ is the most widely used measures of dispersion.
- A) median B) variance
C) harmonic mean D) none of the above

42) In settlement patterns, settlements that occurs near rivers, coasts and railways are classified as _____.

- A) linear settlement patterns
- B) zonal settlement patterns
- C) economic settlement patterns
- D) climatic settlement patterns

43) Mt. Everest is located in _____.

- A) Himadri
- B) Himachal
- C) Sivalik
- D) Kunlun

44) The mass of water vapour per unit volume of air is known as _____.

- A) Relative humidity
- B) Specific humidity
- C) Absolute humidity
- D) Variable humidity

45) Which is the largest tiger reserve in India?

- A) Nagarjuna
- B) Jim Corbet
- C) Kaziranga
- D) Manas

M/P ENT - 18

- 46) “The Principles of Human Geography” was authored by _____.
- A) E. Huntington B) Blache
C) F. Ratzel D) E.C. Semple
- 47) Which of the following is not a “Graphic representation”?
- A) Pie Chart B) Bar Chart
C) Table D) Histogram
- 48) A hypothesis is a _____.
- A) Law B) Canon
C) Supposition D) Postulate
- 49) Which of the following country shares longest land boundary with India?
- A) Nepal B) Bangladesh
C) Bhutan D) None of the Above
- 50) Which of the following is not a major greenhouse gas?
- A) Carbon dioxide B) Methane
C) Calcium carbonate D) Water vapour



Rough Work