

Seat No.	
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M.Phil./Ph.D. Entrance Examination, August - 2018
GEOGRAPHY

Day and Date : Saturday, 11 - 08 - 2018

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) Research Design is _____.
 - A) A way of conducting research that is not grounded in theory.
 - B) The choice between using qualitative or quantitative methods.
 - C) The style in which you present your research findings e.g. a graph.
 - D) A framework for every stage of the collection and analysis of data.

- 2) 'Sampling Cases' means _____.
 - A) Sampling using a sampling frame
 - B) Identifying people who are suitable for research
 - C) Literally the researcher's briefcase
 - D) Sampling of people, newspapers, television programmes etc.

- 3) A hypothesis is a _____.
 - A) Law
 - B) Canon
 - C) Supposition
 - D) Postulate

- 12) Which of the following is biodegradable?
A) Paper
B) D.D.T
C) Aluminium
D) Plastic
- 13) Organisms at the base of the food chain are _____.
A) Herbivores
B) Photosynthetic plants
C) Carnivores
D) Decomposers
- 14) _____ is credited with having developed the symmetry and asymmetry model of federalism.
A) Ratzel
B) Tarleton
C) Mahan
D) Karl Haushofer
- 15) The wavelength ranges in which the atmosphere is particularly transmissive of energy are referred to as _____.
A) Black hole
B) Atmospheric effect
C) Atmospheric windows
D) Wavelength Region
- 16) _____ is known as father of Geopolitics.
A) Karl Haushofer
B) Ratzel
C) Mahan
D) Tarleton
- 17) Global Positioning System (GPS) is based on a principle called _____.
A) Transmission
B) Trilateration
C) Orbiteration
D) Calibration
- 18) The type of surveying that takes into account the true shape of the earth is _____.
A) Plane surveying
B) Astronomical survey
C) Topographic Survey
D) Geodetic Surveying
- 19) A_____ is a precision surveying instrument; consisting of an alidade with a telescope and an accurately graduated circle, equipped with the necessary levels and optical-reading circles.
A) Theodolite
B) Total Station
C) Dumpy level
D) Faro 3D scanner

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- 20) Which of the following country shares longest land boundary with India?
A) Bangladesh
B) Nepal
C) Bhutan
D) None of the above
- 21) Which of the following features are products of vulcanicity?
I) Atoll
II) Caldera
III) Batholiths
IV) Geosynclines
A) I, II and III
B) I and IV
C) II and III
D) I, III and IV
- 22) In which type of rocks are metals like gold and copper mostly found?
A) Old Sedimentary
B) Old Igneous
C) Old Metamorphic
D) New Metamorphic
- 23) In which season is the frequency of tropical cyclones in the Bay of Bengal maximum?
A) During autumn
B) During winter
C) During monsoon
D) After summer
- 24) Atmospheric humidity is measured by _____.
A) Psychrometer
B) Anemometer
C) Lysimeter
D) Hydrometer
- 25) The albedo of which one among the following is the highest?
A) Cirrus cloud
B) Cumulonimbus cloud
C) Melting snow
D) Sand
- 26) Which of the following are the ideal conditions for the phenomenon of temperature inversion to occur?
I) Long nights
II) Cloudy sky
III) Calm and stable air
IV) Dry air
A) I and II
B) I, II and III
C) II, III and IV
D) I, III and IV

Rough Work