

Seat No.	
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M.Phil./Ph.D. Entrance Examination, October - 2021**GEOGRAPHY****Sub.Code : 58798****Day and Date : Wednesday, 27 - 10 - 2021****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) Intentional selection of informants based on their ability to elucidate a specific theme, concept, or phenomenon.
 - A) Random sampling
 - B) Purposive sampling
 - C) Systematic sampling
 - D) Stratified sampling
- 2) Proportional Stratified random sampling is adopted by _____.
 - A) Each stratum sample size is directly proportional to the population size of the entire population of strata
 - B) Sampling fraction is the primary differentiating factor between the proportionate and disproportionate stratified random sampling
 - C) Researchers and statisticians use stratified random sampling to analyze relationships between two or more strata.
 - D) This sampling technique covers maximum population as the researchers have complete charge over the strata division.
- 3) What is an example of quantitative research?
 - A) Case study
 - B) Longitudinal research
 - C) Descriptive research
 - D) Correlational research

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- 4) Which of the following parameters can be used to help you formulate a suitable research paper title.
- A) The purpose of the research B) The narrative tone of the paper
C) The methods used D) All of the above
- 5) The problem of research ethics is concerned with which aspect of research activity?
- A) Following the prescribed format of thesis
B) Data analysis through qualitative and quantitative techniques
C) Defining the population of research
D) Evidence based research reporting
- 6) It was Sunday on Jan 1, 2006. What was the day of the week Jan 1, 2010?
- A) Sunday B) Saturday
C) Friday D) Wednesday
- 7) 8, 27, 64, 100, 125, 216, 343
- A) 27 B) 100
C) 125 D) 346
- 8) What is the ultimate goal of research?
- A) Money B) Job
C) Social Welfare D) None of these
- 9) The choice of subject is _____ stage of research.
- A) First B) Second
C) Third D) Fourth
- 10) Which one of these sampling method is a probability sampling?
- A) Quota B) Judgement
C) Convenience D) Random
- 11) Which of the following is an initial mandatory requirement for pursuing research?
- A) Developing a research design
B) Deciding about the data analysis procedure
C) Formulating a research question
D) Formulating a research hypothesis
- 12) The format of thesis writing is the same as in
- A) Preparation of research paper B) Writing of seminar presentation
C) A research dissertation D) Presenting a workshop paper

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- 13) A cluster of propositions with a structure that exhibits some inference is called _____.
A) An inference
B) An argument
C) An explanation
D) A valid argument
- 14) "Male and female students perform equally well in a numerical aptitude test" this statement indicates
A) Research hypothesis
B) Null hypothesis
C) Directional hypothesis
D) Statistical hypothesis
- 15) Which type of research the conclusion/ finding cannot be generalized in other circumstances?
A) Historical research
B) Descriptive research
C) Experimental research
D) Casual comparative research
- 16) _____ Research used for formulation of laws and theory.
A) Field study
B) Basic
C) Observation
D) Explanatory
- 17) Who of the following can be considered as an opponent of Quantitative Revolution?
A) Chorley
B) L.D. Stamp
C) P. Haggett
D) Hagerstand
- 18) Which one of the following is / are essential data to determine the scale of the aerial photographs?
A) Focal length
B) Flying height
C) Ground elevation
D) All of the above
- 19) By default, your documents print in _____ mode.
A) Landscape
B) Portrait
C) Page Setup
D) Print View
- 20) Statistical calculations and preparation of tables and graphs can be done with using _____ software.
A) Corel Draw
B) Autocad
C) QGIS
D) Pixpa

- 21) India's remote sensing satellite IRS-P4 is also known as _____.
A) Resource sat
B) Edu sat
C) Ocean sat
D) Remote sat
- 22) Which of the following error occurs in GPS reading due to atmospheric conditions?
A) Natural error
B) User error
C) Propagation error
D) Signal multipath error
- 23) Which of the true statement regarding the schedule?
i) Data obtained through personally contact with the respondents.
ii) Data obtained through postal process.
iii) Data obtained through personally contact with respondents and postal process.
Choose the correct code:
A) Only (i)
B) Only (ii)
C) Only (iii)
D) Only (ii)& (iii)
- 24) Which of the following type of soils is mostly confined on Deccan trap of India?
A) Clay soils
B) Regur soils
C) Laterite soils
D) Red soils
- 25) Which of the following most industrialised two states of India?
A) Tamil Nadu and Orissa
B) Madhya Pradesh and Gujarat
C) Tamil Nadu and Maharashtra
D) Madhya Pradesh and West Bengal
- 26) Which of the most fertile region of India?
A) The Indo-Gangetic plain
B) The central Highlands
C) The Himalayas
D) Peninsular plateau
- 27) Which of the following crop is regarded as a plantation crop?
A) Wheat
B) Cotton
C) Vegetable
D) Rice

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- 28) Which of the following commonly practised habitat type for animal rearing in Newziland?
A) Home stead
B) Hamlet
C) Farm stead
D) Village
- 29) In the process of image classification, which of the following methods results in a greater accuracy of classes within an image actually matching land use patterns on the ground?
A) Manual/supervised by a user
B) Fully automated
C) Unprocessed image interpretation
D) Robotic classification
- 30) Which of the following is biodegradable?
A) Paper
B) D.D.T
C) Aluminium
D) Plastic
- 31) Which one of the following is most earthquakes prone region?
A) Deccan plateau
B) Ganga - Brahmaputra valley
C) Plains of Northern India
D) Western Ghats
- 32) Which of the following project is well-known for their power generation than irrigation as its main purpose?
A) Gandhi Sagar
B) Hirakud
C) Periyar
D) Tungabhadra
- 33) According to pre historic classification of races, the World has _____ major races?
A) Nine
B) Seven
C) Four
D) Three
- 34) Match List I with II and select the correct answer using code the given below the list.

List I	List II
a) Isobth	1) Salinity
b) Isohalines	2) Cloudiness
c) Isonif	3) Depth of sea
d) Isoneph	4) Snow

Code

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

- 35) The watershed between India and Myanmar is formed by _____.
A) The Naga hills
B) The Garo hills
C) Khasi hills
D) The Jaintia hills
- 36) Which of the following base have been considered by Stamp and Kendrew for the preparation of climatic region of India?
A) Vegetation and Temperature
B) Topography and Rainfall
C) Temperature and Rainfall
D) Humidity and Nearness of sea
- 37) Who was pioneer of 'Rimland Hypothesis'?
A) Makinder
B) Spykman
C) Christaller
D) Boggs
- 38) 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)
- 39) The zonal soil type of peninsular India belongs to
A) Black soils
B) Yellow soils
C) Red soils
D) Older alluvium
- 40) _____ approach can also be recognized as general or universal approach.
A) Commodity
B) Systematic
C) System analysis
D) Ecological
- 41) The percentage of earth surface covered by India is
A) 2.4
B) 3.4
C) 4.4
D) 5.4
- 42) Which of the following industrial zone of Japan has having major centres like the Tokyo, Yokohama and Kawasaki?
A) Kyushu region
B) Kanto region
C) Nagoya region
D) Kinki region

- 43) Conservation of Natural Resource aims at _____.
A) Total ban on the use of resource
B) Partial restriction of the use of resource
C) Sustainable use of resource
D) Minimal use of resource
- 44) Which of the following planet is known as the 'Watery Planet'?
A) Mercury
B) Earth
C) Mass
D) Jupiter
- 45) Which of the following is an example of direct source to study interior of the earth?
A) Gravitation
B) Seismic activity
C) Magnetic field
D) Volcanic Eruption
- 46) In a black hole _____.
A) All wavelengths of light are absorbed
B) All wavelengths of light are absorbed except green and blue
C) All wavelengths of light are absorbed except blue and red
D) All wavelengths of light are absorbed except red & green
- 47) Which among the following has highest wind velocity?
A) Hurricane
B) Tornado
C) Typhoon
D) Cyclone
- 48) Median the _____.
A) Periodical average
B) Calculated average
C) Positional average
D) None of these
- 49) Vector data is not represented by _____.
A) Grid
B) Line
C) Polygon
D) Point
- 50) 11th July is celebrated as _____.
A) World Wildlife Day
B) World Environment Day
C) World Population Day
D) World Forest Day



Rough Work