

Seat No.	
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PD - 06

Total No. of Pages : 10

Ph.d Entrance Examination March - April, 2026
Geography
Subject Code: 58798

Day and Date : Wednesday, 07-10-2026

Total Marks : 100

Time : 10.00 a.m. to 12.00 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.
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1) In research methodology, ... refers to the guidelines to follow for systematic research.

a) analysis

b) hypothesis

c) methodology

d) data collection

2) Primary data is collected directly from rather than secondary sources.

a) previous studies

b) firsthand experiences

c) online databases

d) hypothetical models

- 3) A is a research instrument that includes a set of questions intended to gather information.
 - a) hypothesis
 - b) variable
 - c) questionnaire
 - d) experiment
- 4) Random sampling is also called
 - a) Probability sampling
 - b) Snowball sampling
 - c) Convenience sampling
 - d) Quota sampling
- 5) is an acronym of statistical predictions for social sciences.
 - a) SAS
 - b) SPSS
 - c) STATA
 - d) R
- 6) ANOVA is
 - a) A nonparametric median test
 - b) A chi-square procedure
 - c) A one-way analysis of variance
 - d) A correlation method
- 7) Primary data is collected directly from rather than secondary sources.
 - a) previous studies
 - b) firsthand experiences
 - c) online databases
 - d) hypothetical models
- 8) A is a research instrument that includes a set of questions intended to gather information.
 - a) hypothesis
 - b) variable
 - c) questionnaire
 - d) experiment

- 9) Final stage in the Research Process is
- a) Data collection
 - b) Hypothesis testing
 - c) Report writing
 - d) Sampling
- 10) Deductive Reasoning is applied in
- a) Qualitative research
 - b) Quantitative research
 - c) Historical research
 - d) Ethnographic research
- 11) The appropriation of another person's ideas, processes, results or words without giving appropriate credit is called
- a) Paraphrasing
 - b) Plagiarism
 - c) Fair use
 - d) Citation
- 12) When documenting sources in a research report, a is a list of all sources referred to.
- a) table
 - b) reference list
 - c) summary
 - d) data table
- 13) The section of a research paper includes an outline of the research process and data analysis.
- a) abstract
 - b) methodology
 - c) conclusion
 - d) introduction
- 14) is the conceptual framework in which the research is carried out.
- a) Research method
 - b) Research design
 - c) Research ethics
 - d) Research scope

- 15) APA stands for
- a) American Psychological Association
 - b) Association of Psychological Analysts
 - c) American Pedagogic Academy
 - d) Academy of Public Administration
- 16) means list of books referred in all research.
- a) Endnotes
 - b) Footnotes
 - c) Bibliography
 - d) Appendix
- 17) A in research publication can increase the visibility and accessibility of a study.
- a) print journal
 - b) journal finder
 - c) copyright
 - d) reference list
- 18) publishers and journals can affect the credibility of a research paper.
- a) Verified
 - b) Predatory
 - c) Open-access
 - d) High-impact
- 19) given in a research report helps those interested in further research
- a) Glossary
 - b) Bibliography
 - c) Summary
 - d) Limitations
- 20) The study in which the investigators attempt to trace an effect is known as
- a) Experimental research
 - b) Ex-post facto research
 - c) Action research
 - d) Survey research

- 21) Authenticity of a research finding is its
- a) Reliability
 - b) Validity
 - c) Objectivity
 - d) Generalizability
- 22) Statistical tests can be or depending on the data types
- a) parametric, non-parametric
 - b) simple, complex
 - c) logical, intuitive
 - d) fixed, variable
- 23) The Chi-square test is a test used for categorical data.
- a) quantitative
 - b) parametric
 - c) non-parametric
 - d) experimental
- 24) Empirical, theoretical, experimental these are the main characteristics of research.
- a) Applied
 - b) Scientific
 - c) Descriptive
 - d) Exploratory
- 25) The research which is exploring new facts through the study of the past is called.....
- a) Historical research
 - b) Longitudinal research
 - c) Experimental research
 - d) Case study
- 26) A horizontal datum provides a reference for
- a) Elevation measurements
 - b) Latitude and longitude positions
 - c) Magnetic declination
 - d) Vertical levelling
- 27) The vertical section of soil showing horizons is called
- a) Soil taxonomy
 - b) Soil pedon
 - c) Soil profile
 - d) Soil category

- 28) Who among the following proposed the Heartland theory?
- | | |
|----------------------|---------------------|
| a) A.T. Mahan | b) Nicholas Spykman |
| c) Halford Mackinder | d) Karl Haushofer |
- 29) Isopleths such as isotherms or isohyets are examples of
- | | |
|---------------|-------------------|
| a) Point maps | b) Line maps |
| c) Area maps | d) Pictorial maps |
- 30) The various stages occurring in GPS system (correct sequence) are:
1. Generation of an output to the user;
 2. Detection of the GPS signals;
 3. Processing the data;
 4. Decoding the GPS signal.
- | | |
|---------------|---------------|
| a) 1,2,3,4 | b) 2, 3, 4, 1 |
| c) 2, 4, 3, 1 | d) 3, 1, 2, 4 |
- 31) Excessive tillage may lead to
- | | |
|---------------------------|--|
| a) Increase in porosity | b) Decline in soil structure stability |
| c) Higher water retention | d) Improved soil health |
- 32) In speciation new species develops when members of a population develop a genetic difference that prevents them from reproducing with members of the original species
- | | |
|---------------|---------------|
| a) Allopatric | b) sympatric |
| c) peripatric | d) parapatric |

- 33) The word Social Geography was first used by Reclus in the year
- a) 1684
 - b) 1784
 - c) 1884
 - d) 1984
- 34) Which software is most commonly associated with digital cartography and GIS?
- a) SPSS
 - b) AutoCAD
 - c) ArcGIS
 - d) MATLAB
- 35) Which one of the following errors is produced by platform characteristics of the sensor?
- a) Altitude variation
 - b) Altitude
 - c) Orbit drift
 - d) All of these
- 36) Flowering plants (angiosperms) appeared in period.
- a) Cretaceous
 - b) Tertiary
 - c) Cambrian
 - d) Carboniferous.
- 37) The reorganization of Indian states after independence was primarily based on
- a) Religion
 - b) Linguistic principle
 - c) Economic viability
 - d) Military strategy
- 38) The classification of surveying into plane and geodetic is based on
- a) Scale of survey
 - b) Purpose of survey
 - c) Area covered and Earth curvature considered
 - d) Instrument used

- 39) DGPS is based on the concept that bias errors in a given local area are same if their distances are within:
- a) 25 km
 - b) 50 km
 - c) 75 km
 - d) 100 km
- 40) The religion diffused from the point of origin in Palestine.
- a) Hinduism
 - b) Buddhism
 - c) Shintoism
 - d) Christianity
- 41) In contour maps, close spacing of contour lines indicates
- a) Flat terrain
 - b) Steep slope
 - c) Gentle slope
 - d) Valley bottom
- 42) Which one of the following geometric errors of satellite sensors is random?
- a) Scan skew
 - b) Panoramic distortion
 - c) Earth rotation
 - d) Altitude variation
- 43) speciation is occurs when two populations are geographically isolated from one another.
- a) Sympatric
 - b) Succession
 - c) Passive
 - d) Allopatric
- 44) Which of the following are the major solutes of the seawater?
- a) Sodiam and Sulfate
 - b) Magnesium and Sulfate
 - c) Magnesium and Chloride
 - d) Sodium and Chloride

- 45) Contours joining points of equal concentration time of the water in a watershed is known as
- a) Isoshed b) Isochrone
c) Isohaline d) Isoneph
- 46) The area of ozone depletion generally peaks in
- a) September-October b) November-December
c) June-July d) April-May
- 47) Which of the following is not a pre-disaster activity?
- a) Mitigation b) Response
c) Preparedness d) None of these
- 48) The term refers to the direct final use of goods and services to satisfy human wants.
- a) Consumption b) Exchange
c) Production d) Distribution
- 49) The principle of transferability reflects the and cost factors of movement.
- a) Importance b) Weight
c) Time d) None of these
- 50) What does EEC stand for
- a) European Economic Council b) European Economic Corporation
c) European Economic Community d) European Economic Classification



- Rough Work -