

**Time : 04.00 pm to 06.00 pm**

- 1) All questions are compulsory.
- 2) Each question carries 2 mark.
- 3) Answers should be marked in the given OMR answer sheet by darkening the appropriate option.
- 4) Follow the instructions given on OMR sheet.
- 5) Rough work shall be done on the sheet provided at the end of question paper.

- 1 : 10

- 4) A framework for every stage of the collection and analysis of data is known as .....
- a) Research method
  - b) Research design
  - c) Research question
  - d) Research population
- 5) A ..... is one in which every unit of the population has an equal chance of being selected
- a) Purposive sample
  - b) Stratified sample
  - c) Simple random sample
  - d) Quota sample
- 6) ..... is a technique of collecting data through questionnaire filled by enumerator or in person
- a) Interview schedule
  - b) Observation
  - c) Case study
  - d) Focus group
- 7) A ..... research question is typically designed to explore the "how" or "why" of a phenomenon.
- a) quantitative
  - b) qualitative
  - c) statistical
  - d) predictive
- 8) In qualitative research, data collection often includes interviews, case studies, and .....
- a) surveys
  - b) controlled experiments
  - c) observations
  - d) questionnaires

- 9) The first page of the research report is ..... ?
- a) Abstract
  - b) Title page
  - c) Acknowledgment
  - d) Table of contents
- 10) Quantitative and qualitative information is known as ..... in research.
- a) Variables
  - b) Data
  - c) Sampling frame
  - d) Parameters
- 11) Primary and ..... are the two types of data.
- a) Tertiary
  - b) Experimental
  - c) Secondary
  - d) Qualitative
- 12) A ..... is a brief summary of the key points of a research study.
- a) literature review
  - b) abstract
  - c) hypothesis
  - d) bibliography
- 13) The term ..... refers to the process of organizing research references.
- a) interpretation
  - b) citation
  - c) research design
  - d) sampling
- 14) ..... area of tourism research focuses on the impacts of tourism on the environment.
- a) Tourism economics
  - b) Sustainable tourism
  - c) Heritage tourism
  - d) Adventure tourism
- 15) ..... is a structured process for finding out unknown facts, data, or insights.
- a) Investigation
  - b) Research
  - c) Exploration
  - d) Evaluation

- 16) The .....index measures the productivity and citation impact of an author or publication.
- a) i10
  - b) impact
  - c) citation
  - d) h-index
- 17) The use of ..... publishing offers wider access to research findings,
- a) restricted
  - b) open-access
  - c) confidential
  - d) proprietary
- 18) To generate reliable and valid knowledge is the primary purpose of .....
- a) Teaching
  - b) Policy making
  - c) Research
  - d) Consultancy
- 19) In the process of conducting research "Formulation of Hypothesis" is followed by .....
- a) Literature review
  - b) Selection of research tool
  - c) Data entry
  - d) Report writing
- 20) The existing company information is an example of data.
- a) Primary
  - b) Secondary
  - c) Experimental
  - d) Panel
- 21) Quota sampling is called ..... sampling?
- a) Probability
  - b) Systematic
  - c) Non-probability
  - d) Cluster

- 22) Hypothesis testing involves the ..... of data to support or reject the assumption.
  - a) elimination
  - b) measurement
  - c) analysis
  - d) comparison
- 23) A ..... hypothesis states that there is no effect or difference between variables.
  - a) null
  - b) alternative
  - c) predictive
  - d) relational
- 24) The basic unit containing the elements of the population to be sampled is known as ..... unit.
  - a) Sample
  - b) Census
  - c) Sampling
  - d) Observation
- 25) Cartography can best be defined as .....
  - a) The science of weather prediction
  - b) The science and art of map-making
  - c) The measurement of the Earth's crustal movements
  - d) The study of spatial population distribution
- 26) The reflectance from a surface is called specular reflection if it follows:
  - a) Snell's Law
  - b) Lambert's cosine law
  - c) Planktan's law
  - d) All of these
- 27) ..... is the scientific study of soils in their natural environment.
  - a) Agronomy
  - b) Pedology
  - c) Geomorphology
  - d) Edaphology

- 28) The sphere of living things on the earth is known as .....
- a) Biosphere
  - b) Hydrosphere
  - c) Living sphere
  - d) Lithosphere
- 29) Political Geography is primarily concerned with .....
- a) Climatic conditions
  - b) Political phenomena in spatial context
  - c) Geological structures
  - d) Cultural diffusion
- 30) Which type of scale shows the relationship graphically between map distance and ground distance?
- a) Verbal scale
  - b) Representative fraction
  - c) Graphic scale
  - d) Ratio scale
- 31) Which one of the following helps to identify the objects on the earth surface?
- a) Atmospheric window
  - b) Signature
  - c) Radiometric error
  - d) None of these
- 32) Which particle size class represents sand according to USDA classification?
- a) <0.002 mm
  - b) 0.002-0.05 mm
  - c) 0.05-2.0 mm
  - d) >2.0 mm
- 33) Charles Darwin propose the theory of natural selection in his book .....
- a) Evaluation of life
  - b) Origin of Species
  - c) Origin of life
  - d) Survival of fittest

- 34) The country where ..... co-exists with Shintoism is Japan.
- a) Buddhism
  - b) Christianity
  - c) Sikhism
  - d) Islam
- 35) Which of the following is a projected coordinate system?
- a) Latitude-Longitude
  - b) UTM (Universal Transverse Mercator)
  - c) Geodetic system
  - d) Greenwich Meridian system
- 36) For interpolation of satellite data used for monitoring dynamic changes that occur on the earth surface, the most suitable orbit for the satellite is:
- a) Circular orbit
  - b) Sun-synchronous orbit
  - c) Near polar orbit
  - d) None of these
- 37) The colour of soil is largely influenced by .....
- a) Organic matter and mineral content
  - b) Soil texture
  - c) Soil structure
  - d) Soil pH
- 38) Citizenship refers to .....
- a) Belonging to a race
  - b) Legal membership of a state
  - c) Speaking a common language
  - d) Following a common religion

- 39) Which method of linear measurement involves chaining or taping directly on the ground?
- a) Approximate method
  - b) Direct method
  - c) Optical method
  - d) Electronic method
- 40) Leaf reflectance depends primarily on:
- a) The pigments
  - b) Internal cell structure
  - c) Equivalent water content
  - d) All of these
- 41) ..... is a measure of soil acidity or alkalinity.
- a) Cation exchange capacity
  - b) Soil pH
  - c) Soil organic matter
  - d) Soil salinity
- 42) The Mesopotamia cultural hearth is located in the valley of two rivers viz, the Tigris and the .....
- a) Nile
  - b) Ho-yang-ho
  - c) Euphrates
  - d) Mississippi
- 43) The line joining all points of equal elevation is called .....
- a) Profile line
  - b) Contour line
  - c) Benchmark
  - d) Gradient
- 44) Which tropical soil is highly weathered and rich in oxides of iron and aluminium?
- a) Chernozem
  - b) Laterite
  - c) Podzol
  - d) Alluvial



- 45) In ..... eggs are usually laid in water or in a moist environment and fertilized externally. They change from an aquatic larval stage to a terrestrial form on reaching adulthood.
- a) Marsupial                                      b) Amphibians  
c) Mammals                                        d) Reptile
- 46) The boundary between India and Pakistan, created in 1947, is an example of .....
- a) Relict boundary                              b) Antecedent boundary  
c) Superimposed boundary                  d) Subsequent boundary
- 47) Active continental margins are characterized by .....
- a) Wide continental shelves and less seismic activity  
b) Narrow continental shelves and less seismic activity  
c) Wide continental shelves and high seismic activity  
d) Narrow continental shelves and high seismic activity
- 48) Which of the following sediment type has very high porosity but is least permeable?
- a) Clay    b) Fine sand  
c) Coarse sand                                    d) Gravel
- 49) Wet summer is a characteristics of ..... climate.
- a) Tropical Savanna                              b) Tropical Monsoon  
c) Humid Subtropical                            d) All of these
- 50) The term 'moment magnitude scale' is associated with .....
- a) Cyclone    b) Volcanic eruption  
c) Earthquake                                      d) Tsunami



**-- ROUGH WORK --**