

Seat No.	
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M.Phil/Ph.D. Entrance Examination, September - 2019
ENVIRONMENTAL SCIENCE

Day and Date : Thursday, 19 - 09 - 2019

Total Marks : 100

Time : 01.00 p.m. to 03.00 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) Spearman's founded _____.
 - a) Partial Correlation
 - b) Multiple Correlations
 - c) Rank Correlation
 - d) Complete Correlation

- 3) _____ is the most widely used measures of dispersion
 - a) Median
 - b) Variance
 - c) Harmonic mean
 - d) None of the above

- 4) Questionnaire is a _____.
- a) Research method
 - b) Measurement technique
 - c) Tool for data collection
 - d) Data analysis technique
- 5) Global Positioning System (GPS) is based on a principle called _____.
- a) Transmission
 - b) Trilateration
 - c) Orbiteration
 - d) Calibration
- 6) 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
- 7) Which one of the following is a research tool?
- a) Graph
 - b) Illustration
 - c) Schedule
 - d) Diagram
- 8) A comprehensive full Report of the research process is called
- a) Thesis
 - b) Summary Report
 - c) Abstract
 - d) Article

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- 9) The Report submitted when there is a time lag between data collection and Presentation of the result is called _____.
- a) Thesis
 - b) Interim report
 - b) Summary report
 - d) Article
- 10) Which of the following is the first step in starting the research process?
- a) Searching sources of information to locate problem.
 - b) Survey of related literature
 - c) Identification of problem
 - d) Searching for solutions to the Problem
- 11) A common test in research demands much priority on _____.
- a) Reliability
 - b) Usability
 - c) Objectivity
 - d) All of the above
- 12) A question which requires a solution is _____.
- a) Observation
 - b) Problem
 - c) Data
 - d) Experiment
- 13) Converting a question into a Researchable problem is called _____.
- a) Solution
 - b) Examination
 - c) Problem formulation
 - d) Problem Solving
- 14) The most important advantage of sampling method of data collection is _____.
- a) Increase accuracy
 - b) The only method of data collection
 - c) Save time
 - d) Easy to handle the data

- 15) The first step in formulating a problem is _____.
- a) Statement of the problem
 - b) Gathering of Data
 - c) Measurement
 - d) Survey
- 16) _____ will help in finding out a problem for research.
- a) Professor
 - b) Tutor
 - c) Head
 - d) Guide
17. The formulated problem should have _____.
- a) Originality
 - b) Values
 - c) Coherence
 - d) Facts
18. Source of Data collected and compiled by others is called _____.
- a) Primary
 - b) Secondary
 - c) Primary and Secondary
 - d) None of the above
19. Failure to acknowledge the borrowed material is called _____.
- a) Acknowledgement
 - b) Foot note
 - c) Index
 - d) Plagiarism
20. Research through experiment and observation is called _____.
- a) Clinical Research
 - b) Experimental Research
 - c) Laboratory Research
 - d) Empirical Research
21. Example for fact finding study is _____.
- a) Pure Research
 - b) Survey
 - c) Action Research
 - d) Long term Research

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22. Facts or information's are analyzed and critical evaluation is _____.
- a) Survey
 - b) Action research
 - c) Analytical Research
 - d) Pilot Study
23. Which of the following is an example of primary data?
- a) Book
 - b) Journal
 - c) News Paper
 - d) Census Report
- 24) In which sample population is divided into different strata and sample is taken from different strata?
- a) Quota Sampling
 - b) Snow ball sampling
 - c) Stratified sampling
 - d) Purposive Sampling
25. Questions in which only two alternatives are possible is called _____.
- a) Multiple choice questions
 - b) Dichotomous questions
 - c) Open ended questions
 - d) Structured questions
26. Following is a stagnant ecosystem.
- a) Lentic
 - b) Lopistic
 - c) Lotic
 - d) None of the above
27. Conference on Human Environment was held in _____.
- a) Rio d Janerio
 - b) Stockholm
 - c) Vienna
 - d) Monteria

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28. Which of the following wave is not produced by Earthquake?
- a) Love Wave
 - b) S Wave
 - c) Raleigh Wave
 - d) Newton Wave
29. Which industrial workers suffer from Byssinosis?
- a) Cardboard
 - b) Paper
 - c) Plastics
 - d) Textile
30. Avalanches are _____.
- a) Debris of landslides near hilly regions
 - b) Destructive storms of southern hemisphere
 - c) Vallies created by erosion of mountains
 - d) Mass of snow flowing due to gravity on slopes of mountains
31. Phytoplankton's are the examples of _____.
- a) Producers
 - b) Consumers
 - c) Decomposers
 - d) Parasites
- 32) Which of the following is photosensitive semiconductor?
- a) Gallium Chloride
 - b) Gallium arsenide
 - c) Gallium phosphate
 - d) Gallium metal.
33. World Watch Institute is situated in _____.
- a) Canada
 - b) USA
 - c) France
 - d) India

34. Common human heritage is often referred as _____.
- a) Intellectual property right
 - b) Human history
 - c) Biological diversity
 - d) Right to Information
35. Where was the first biosphere reserve in India set up?
- a) Nokrek
 - b) Manas
 - c) Nilgiri
 - d) Gulf of Mannar
36. Bituminous is a type of _____.
- a) Rock
 - b) Coal
 - c) Metal
 - d) Metalloid
37. The study of individual organism's relationship with its environment is called _____.
- a) Ecology
 - b) Synecology
 - c) Monoecology
 - d) Autoecology
38. Savana climate favours _____.
- a) Coniferous forest
 - b) Grasslands
 - c) Desert
 - d) Evergreen forest

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43. Permissible Noise level during day time in a residential area is _____.
- a) 40 dB
 - b) 55 dB
 - c) 65 dB
 - d) 75 dB
44. Red data book is related with _____.
- a) Endemic species
 - b) Rare species
 - c) Threatened species
 - d) Danger species
45. An aquifer is associated with _____.
- a) Water
 - b) Groundwater
 - c) Rain water
 - d) Soil erosion.
46. Isobars are lines drawn on a map through the places having _____.
- a) Same ambient Temperature
 - b) Same atmospheric pressure
 - c) Same altitude above sea level
 - d) Same soil type
47. Our Common Future is the title of _____.
- a) The Greens Manifesto
 - b) CITES report
 - c) IUCN report
 - d) The Brundtland Report

48. The uppermost layer of earth is _____.
- a) Mantle
 - b) Crust
 - c) Core
 - d) Inner Core
49. Minamata Disaster in Japan was occurred due to _____.
- a) Ethyl mercury
 - b) Propyl Mercury
 - c) Methyl Mercury
 - d) Mercury metal
50. INSAT satellite is the only _____ one in this part of globe with a meteorological package.
- a) Globe -Stationary
 - b) Geostationary
 - c) Bio-Stationary
 - d) None of the above



Rough Work

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