

V-89

**Entrance Examinations – 2019  
Ph.D. Health Sciences (Public Health)**

**Hall Ticket Number**

**Time: 2 hours      Total Marks: 70 (Part I 35 marks + Part II 35 marks)**

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**PLEASE READ THE FOLLOWING INSTRUCTIONS CAREFULLY  
BEFORE ANSWERING.**

**INSTRUCTIONS**

1. This booklet has TEN (10) pages. Please check thoroughly for all the pages.
  2. Enter the Hall Ticket number on the first page of this booklet as well as on the OMR sheet.
  3. There are two PARTS in the question paper – PART I (Question numbers 1- 35) and PART II (Question numbers 36 -70). In case of a tie, marks obtained in PART I will be considered for resolving the tie.
  4. Each question carries 1 mark and there is no negative marking.
  5. All answers have to be answered only in the OMR sheet following the instructions provided thereupon.
  6. Scientific calculators are not permitted.
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**PART I****1. Mean, Median and Mode are:**

- A. Measures of deviation
- B. Ways of sampling
- C. Measures of central tendency
- D. None of the above

**2. Research is:**

- A. Searching again and again
- B. Finding solution to any problem
- C. Working in a scientific way to search for truth of any problem
- D. None of the above

**3. 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

**4. A common test in research demands much priority on:**

- A. Reliability
- B. Use-ability
- C. Objectivity
- D. All of the above

**5. Action research means:**

- A. A longitudinal research
- B. An applied research
- C. A research initiated to solve an immediate problem
- D. A research with socioeconomic objective

**6. A reasoning where we start with certain particular statements and conclude with a universal statement is called:**

- A. Deductive Reasoning
- B. Inductive Reasoning
- C. Abnormal Reasoning
- D. Transcendental Reasoning

**7. In the process of conducting research 'Formulation of Hypothesis' is followed by:**

- A. Statement of Objectives
- B. Analysis of Data
- C. Selection of Research Tools
- D. Collection of Data

**8. A research paper is a brief report of research work based on:**

- A. Primary Data only
- B. Secondary Data only
- C. Both Primary and Secondary Data
- D. None of the above

9. One of the following is not an open source software:

- A. DSpace
- B. Windows
- C. Green-stone
- D. Linux

10. Informal self-education is possible in what kind of library?

- A. National Library
- B. Public Library
- C. Specific Library
- D. College Library

11. What is Bibliometry?

- A. Function of Library Network
- B. Information Management Service
- C. Information Management Tool
- D. Library Service

12. Information is:

- A. Raw Data
- B. Processed Data
- C. Input data
- D. Organized data

13. An appropriate source to find out descriptive information is:

- A. Bibliography
- B. Directory
- C. Encyclopedia
- D. Dictionary

14. Shelf-list facilitates:

- A. Classification
- B. Weeding out
- C. Stock verification
- D. Documentation

15. Questionnaire is a:

- A. Research method
- B. Measurement technique
- C. Tool for data collection
- D. Data analysis technique

16. A periodical evaluation of an employee is done through;

- A. Job rotation
- B. Performance appraisal
- C. Refresher course
- D. Work guide

17. "Controlled Group" is a term used in:

- A. Survey research
- B. Historical research
- C. Experimental research
- D. Descriptive research

18. Inductive logic proceeds from:

- A. General to General
- B. Particular to General
- C. General to Particular
- D. Particular to Particular

19. Which of the following is not a "Graphic representation"?

- A. Pie Chart
- B. Bar Chart
- C. Table
- D. Histogram

20. Which of the following is not covered under Intellectual Property Rights?

- A. Copyrights
- B. Patents
- C. Trade Marks
- D. Thesaurus

21. Ontology is:

- A. An Indexing Method
- B. Classification of Internet based documents
- C. Cataloguing of Internet based documents
- D. Documentation service

22. The transmission of receiver's reaction back to the sender is known as:

- A. Noise
- B. Feedback
- C. Medium
- D. Source

23. A set of rules that govern overall data communications system is popularly known as:

- A. Protocol
- B. Agreement
- C. Pact
- D. Memorandum

24. Staffing is concerned with providing and maintaining.....resources.

- A. Physical
- B. Technical
- C. Human
- D. Financial

25. Which of the following is not true about e journals?

- A. They are distributed through digital methods
- B. They also have editors or editorial boards
- C. They are publications of serial nature
- D. They are always free of cost

- 26. Whether Library is a system?**
- A. Yes, it has various sections as sub-systems coordinating each other forming a system
  - B. No, it cannot be a system
  - C. It is quite impossible
  - D. Library is separate from a system.
- 27. What is the most common kind of litter, by number, found in waterways?**
- A. plastic bags
  - B. plastic bottles
  - C. aluminum cans
  - D. All of these
- 28. What is sediment?**
- A. sand and rocks that are too heavy to be carried by water
  - B. the organic solids that are suspend in wastewater
  - C. soil or bits of rock suspended in water
  - D. the solids, like fats, grease and oils, that float on top of wastewater
- 29. What causes acid rain?**
- A. sulfur and nitrogen compounds from power plants, factories and motor vehicles
  - B. sulfur and nitrogen compounds given off by plants as the weather warms in the summer
  - C. carbon dioxide from power plants, factories and motor vehicles
  - D. carbon dioxide and methane given off by arctic soils as they warm in the spring
- 30. How many people in the world do not have access to toilets?**
- A. about 10 million
  - B. about 1 million
  - C. about 100 million
  - D. about 1 billion
- 31. Which of these diseases can happen from drinking contaminated water?**
- A. Pneumonia
  - B. Small pox
  - C. Malaria
  - D. Cholera
- 32. Moulds, yeast and fungi are examples of a:**
- A. Physical hazard
  - B. Chemical hazard
  - C. Pathogenic bacterium
  - D. Biological hazard
- 33. Medical research indicates that \_\_\_\_\_ is a leading cause of growth stunting.**
- A. Lack of exercise
  - B. Eating unhealthy foods
  - C. Defecating in the open
  - D. Sleeping on hard surfaces

34. What is the single most effective way to prevent the transmission of disease?

- A. Antibiotics
- B. Hand washing with water only
- C. Hand washing with soap and water
- D. No way

35. Ortho-tolidine test determines:

- A. Free chlorine
- B. Combined chlorine
- C. Chlorine demand
- D. Both free and combined chlorine

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PART II - 36 - 70 (PUBLIC HEALTH)

36. Food poisoning is caused by:

- A. Cl. perfringes
- B. Salmonella paratyphi A
- C. Vibrio Cholerae
- D. Staph. epidermis

37. Child mortality rate due to AIDS is highest in:

- A. Asia
- B. Sub-Saharan Africa
- C. Latin America
- D. Carribean

38. Rickettsialpox is transmitted by:

- A. Flea
- B. Mite
- C. Tick
- D. Mosquito

39. Following rate does not use mid-year population as a denominator:

- A. Pregnancy rate
- B. Marriage rate
- C. Death rate
- D. Birth rate

40. The most common occupational disease is:

- A. Asbestosis
- B. Plumbism
- C. Dermatitis
- D. Silicosis

41. Small for date in comparison to premature birth has:

- A. Low birthweight
- B. More congenital anomalies
- C. More chances of mental retardation
- D. Less survival chances

42. World No tobacco day is on:

- A. 30<sup>th</sup> January
- B. 7<sup>th</sup> April
- C. 22<sup>nd</sup> April
- D. 31<sup>st</sup> May

43. Vitamin B<sub>12</sub> is not found in:

- A. Milk
- B. Liver
- C. Soyabean
- D. Fish

44. All are indicators of air pollution except:

- A. Sulphur di oxide
- B. Smoke
- C. Carbon di oxide
- D. Dust particles

45. All of the following constituents are high in human milk than in Cow's milk except:

- A. Protein
- B. Cystine
- C. Taurine
- D. Lactose

46. The largest constituent of human body is:

- A. Proteins
- B. Fats
- C. Water
- D. Minerals

47. Which of these does NOT shape Gender?

- A. Hobbies
- B. Media
- C. Peers
- D. Family

48. Gender stability occurs at what age?

- A. 5 years
- B. 4 years
- C. 2 years
- D. 1 year

49. Study of aging is called as:

- A. Gerontology
- B. Histology
- C. Physiology
- D. Anthropology

**50. Thanatology is the study of:**

- A. Life expectancy
- B. Biological aging
- C. Death and dying
- D. Adulthood

**51. By far, the leading killer of person over age 65 is:**

- A. Heart disease
- B. AIDS
- C. Stroke
- D. Diabetes

**52. Of the following, which is more frequent stereotype of older adults:**

- A. Full of wisdom and knowledge
- B. Healthy and independent
- C. Confused and disoriented
- D. Sleepy and lazy

**53. Which of the following improves attitudes towards aging and older adults:**

- A. Staying away from older adults
- B. Education about older adults
- C. Travelling to older communities
- D. Watching the portrayals of older adults in cinemas and TV's

**54. Over the adult years, environment seems to play bigger role than the genetics in:**

- A. The stability of person traits
- B. Longevity
- C. Alzheimer's disease
- D. Environment never play a bigger role

**55. Older married men have been found to have:**

- A. Moderate positive emotions
- B. Lower level of positive emotions
- C. Fluctuating emotions
- D. Lower level of negative emotions

**56. What principle best applies for euthanasia?**

- A. Beneficence
- B. Non Maleficence
- C. Justice
- D. Autonomy

**57. The central guiding principle to medical decision making is:**

- A. Autonomy
- B. Substituted judgment
- C. Self determination
- D. Individual liberty



**58. Gender roles refers to**

- A. The subordination of women based on the assumption of superiority of men.
- B. Chromosomal and hormonal differences that cause inevitable differences in the behavior of men and women.
- C. The rights, responsibilities, expectations, and relationships of women and men.
- D. None of the above.

**59. Which of the following is necessary in obtaining informed consent?**

- A. A description of the statistical analyses that will be carried out
- B. A description of the purpose of the research
- C. A description of the reliability and validity of test instruments
- D. A list of publications that the researcher has had in the last ten years

**60. What is it called when the participants are not revealed to anyone but researcher and staff?**

- A. Confidentiality
- B. Anonymity
- C. Ethics
- D. Discretion

**61. Endemic means that a disease:**

- A. Occurs clearly in excess of normal expectancy
- B. Is habitually present in human populations
- C. Affects large number of countries simultaneously
- D. Exhibits a seasonal pattern

**62. Which of the following is characteristic of a single-exposure, common-vehicle outbreak?**

- A. Frequent secondary cases
- B. Increasing severity with increasing age
- C. Explosive
- D. Cases include both people who have been exposed and those who were not exposed

**63. Standard deviation is the deviation of an individual value from the**

- A. Median
- B. Mode
- C. Range
- D. Mean

**64. Age-adjusted death rates are used to:**

- A. Correct death rates for errors in the statement of age
- B. Determine the actual number of deaths that occurred in specific age groups in a population
- C. Eliminate the effects of differences in the age distributions of populations in comparing death rates
- D. Compare deaths in persons of the same age group

**65. For a disease such as pancreatic cancer, which is highly fatal and of short duration:**

- A. Incidence rates and mortality rates will be similar
- B. Mortality rates will be much higher than incidence rates
- C. Incidence rates will be much higher than mortality rates
- D. Incidence rates will be unrelated to mortality rates

66. A program manager from an international health funding agency needs to identify regions that would benefit from an intervention aimed at reducing premature disability. The program manager asks a health care consultant to develop a proposal using an index that would help her make this decision. Which of the following would best serve this purpose?

- A. Case-fatality
- B. Crude mortality rate
- C. Disability-adjusted life-years
- D. Standardized mortality ratio

67. A physical examination was used to screen for breast cancer in 2,500 women with biopsy-proven adenocarcinoma of the breast and in 5,000 age- and race-matched control women. The results of the physical examination were positive (i.e., a mass was palpated) in 1,800 cases and in 800 control women, all of whom showed no evidence of cancer at biopsy. The sensitivity of the physical examination was:

- A. 72%
- B. 84 %
- C. 69%
- D. None of the above

68. The extent to which a specific health care treatment, service, procedure, program, or other intervention does what it is intended to do when used in a community-dwelling population is termed its:

- A. Efficacy
- B. Effectiveness
- C. Effect modification
- D. Efficiency

69. The association between exposure to television viewing and mental acuity in children was studied and the following information was recorded for each child in the study; Religion (Hindu or any other religion), age (in years), and amount of exposure to TV viewing (rated from 0 for no exposure to 3 for more than three years exposure to TV viewing). Which of the following choices lists these variables in the order of: dichotomous nominal, ordinal, and continuous?

- A. Amount of exposure, religion, age
- B. Age, religion, amount of exposure
- C. Religion, age, amount of exposure
- D. Religion, amount of exposure, age

70. Which of the following procedure will give us an idea about the strength of association between an exposure and an outcome variable:

- A. 't' test
- B. chi - square test
- C. both the above
- D. none of them

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END

# University of Hyderabad

## Entrance Examinations - 2019

School/Department/Centre : SCHOOL OF MEDICAL SCIENCES

Course/Subject : Ph. D – Health Sciences (Public Health) – Code: V-89

Q.No.	Answer	Q.No.	Answer	Q.No.	Answer	Q.No.	Answer
1	D	26	A	51	A	76	
2	C	27	D	52	C	77	
3	C	28	C	53	B	78	
4	D	29	A	54	B	79	
5	C	30	D	55	D	80	
6	A	31	D	56	D	81	
7	C	32	D	57	C	82	
8	C	33	C	58	C	83	
9	B	34	C	59	B	84	
10	B	35	D	60	A	85	
11	C	36	B	61	B	86	
12	D	37	B	62	C	87	
13	D	38	B	63	D	88	
14	C	39	A	64	C	89	
15	C	40	C	65	A	90	
16	B	41	A	66	C	91	
17	C	42	D	67	A	92	
18	B	43	C	68	B	93	
19	C	44	C	69	D	94	
20	D	45	A	70	D	95	
21	B	46	C	71		96	
22	B	47	A	72		97	
23	A	48	B	73		98	
24	C	49	A	74		99	
25	D	50	C	75		100	

Note/Remarks: NO NEGATIVE MARKING

Signature  
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15/5/2019