

ENTRANCE EXAMINATIONS – 2022

(Ph.D. Admissions July 2022)

PhD Health Sciences (Nursing)

HALL TICKET NUMBER

PLEASE READ THE FOLLOWING INSTRUCTIONS CAREFULLY BEFORE ANSWERING THE QUESTIONS

INSTRUCTIONS

- i) This Booklet has ten (10) pages. Please check the pages.
- ii) Write your Hall Ticket Number in the OMR Answer Sheet given to you. Also write the Hall Ticket Number in the space provided above.
- iii) There are 2(two) parts in the question paper- Part A (Question Numbers 1-35) and Part B (Question Numbers 36-70).
- iv) Each question carries 1 mark and there is no negative marking.
- v) Answers are to be marked in the OMR Answer sheet following the instructions provided there upon.
- vi) Hand over the OMR answer sheet at the end of the examination to the invigilator.
- vii) No additional sheets will be provided. Rough work can be done in the question paper itself/ space provided at the end of the booklet.

PART- A

1. In a coding system 'APPLE' is coded as 'MANGO', find out the code for 'GUAVA'
 - A. BANANA
 - B. GRAPES
 - C. KIWI
 - D. PEAR
2. Which among the following years did not have 366 days?
 - A. 1976
 - B. 1982
 - C. 2004
 - D. 2016
3. Find out the next number in the given series 1, 27, 125, _____
 - A. 216

- B. 343
- C. 512
- D. 720

4. Which of the following is a qualitative variable?
- A. Haemoglobin values of the patients
 - B. Body weight of the patients
 - C. Heart beat rate of the patients
 - D. Disease symptoms of the patients

5. Saturday is a day on the 3rd of a month, what day will it be on the 25th of the same month?
- A. Sunday
 - B. Monday
 - C. Saturday
 - D. Friday

6. One health triad refers to:
- A. Man Women and Child
 - B. Primary, secondary and tertiary health care
 - C. Centre, state and rural health programs
 - D. Agent, Host, Environment

7. The first step in conducting a research is
- A. Propounding a hypothesis
 - B. Data collection
 - C. Defining a problem
 - D. Formulation of objectives

8. The gold standard laboratory test used to detect SARS CoV2 infection is:
- A. RT-PCR
 - B. RAT
 - C. CRP
 - D. ELISA

9. When the participants in a research study are known but their identifying information is removed from your research article, you are following an ethical consideration referred to as
- A. Confidentiality
 - B. Anonymity
 - C. Neutrality
 - D. Plagiarism

10. Body mass index is calculated as:
- A. weight in pounds by height in meters
 - B. weight in kg by height in meters
 - C. weight in kg divided by square of height in meter squared
 - D. weight in kg divided by body surface area

11. What is an inoculating loop?
- A. A tool used to streak a microorganism in a pure culture
 - B. A tool used to place agar in a pure medium

- C. A tool used to count colonies of microorganisms
D. A tool used to view colonies of microorganisms
12. What is an enrichment culture?
A. Something that provides growth for all microorganisms
B. Something that inhibits growth for all microorganisms
C. An infectious culture
D. Something that provides growth for a certain microorganism but not for others
13. A genetic marker is
A. a place where a restriction enzyme cuts DNA
B. a chart that traces the family history of a genetic trait
C. a nucleotide sequence near a particular gene
D. a radioactive probe used to find a gene
14. The basic difference between ELISA and RIA lies in
A. primary antibody
B. blocking agent
C. type of microtitre plate
D. label conjugated to secondary antibodies
15. Animal cell culture is quite popular in raising:
A. hormones
B. enzymes
C. bacteria
D. vaccines
16. The following are methods for control of confounding except:
A. Restriction
B. Matching
C. Ensuring use of accurate instruments
D. Stratified analysis
17. All of the following are ethical principles except?
A. Justice
B. Malpractice
C. Beneficence
D. Non-Maleficence
18. The scatter plot is used to depict:
A. Causality
B. Correlation
C. Power
D. Type II error
19. A circle divided into sectors proportional to the frequency of items shown is called:
A. Bar chart
B. Pie chart
C. Frequency polygon
D. Histogram

20. In Qualitative Research, the data is in the form of:

- A. Words
- B. Numbers
- C. Integers
- D. Fractions

21. The type of study to find Haemoglobin level pattern among adolescents of age 14 to 19 years of each gender residing in a defined area is called:

- A. Pilot Study
- B. Observational Study
- C. Descriptive Study
- D. Analytical Study

22. WHO recommended method of sampling to estimate immunization coverage in developing countries is:

- A. Simple Random Sampling
- B. Multistage Random Sampling
- C. Stratified Random Sampling
- D. Cluster Random Sampling

23. Matching in case-control studies is done to control uncertainties due to:

- A. Loss of patient to follow up
- B. Sampling fluctuation
- C. Lack of statistical power
- D. Bias arising from confounders

24. Longitudinal studies:

- A. Can provide Incidence of Disease
- B. Are Economical
- C. Are good for studying rare outcomes
- D. Are easy to conduct

25. Coefficient of Variation is:

- A. Mean/SD
- B. SD/Mean
- C. Mean/Variance
- D. Variance/Mean

26. Which test is the part of the parametric test?

- A. Sign Test
- B. Run Test for Randomness
- C. Kruskal-Willis Test
- D. z-test

27. What type of chart is useful for showing trends or changes over time?

- A. Pie Chart
- B. Column Chart
- C. Line Chart
- D. Dot Graph

28. The split-half method is used as a test to determine:
- A. Stability
 - B. Internal reliability
 - C. Inter-observer consistency
 - D. External validity
29. Find the median of the call received on 7 consecutive days 11, 13, 17, 13, 23, 25, 19:
- A. 13
 - B. 23
 - C. 25
 - D. 17
30. A show card is:
- A. One that prevents respondents from expressing their opinions about a statement
 - B. One that encourages explicit discussion of sensitive or personal information
 - C. One that prompts respondents to choose from a range of possible answers
 - D. One that researchers must present when they compete at pony club events
31. The standard error is a statistical measure of:
- A. The normal distribution of scores around the sample mean
 - B. The extent to which a sample mean is likely to differ from the population mean
 - C. The clustering of scores at each end of a survey scale
 - D. The degree to which a sample has been accurately stratified
32. Cohen's kappa is a measure of:
- A. Inter-surveyor consistency
 - B. Intra-observer validity
 - C. Intra-coder validity
 - D. Inter-observer consistency
33. The ability of the test to call it negative in those who do not have the disease is known as:
- A. sensitivity
 - B. validity
 - C. specificity
 - D. Reliability
34. What is the role of the moderator in a focus group?
- A. To stimulate discussion and keep the conversation on track
 - B. To ask leading questions and dominate the discussion
 - C. To sit away from the group and observe their behaviour
 - D. To evaluate the group's performance on a particular task
35. COVID-19 stands for:
- A. Corona Virus Induced Disease - 2019
 - B. Corona Virus Infectious Disease - 2019
 - C. Corona Virus Influenza Disease - 2019
 - D. Corona Virus Inflammatory Disease - 2019

PART-B

36. The antibody which can cross placental barrier is:

- A. IgA
- B. IgE
- C. IgM
- D. IgG.

37. The specialized cardiac cells which is referred as the primary pace maker of the heart, is called:

- A. Atrioventricular Node
- B. Sinoatrial Node
- C. Bundle of His
- D. Purkinje Fibers

38. Antivenom against snake poison contains:

- A. antigens
- B. antigen-antibody complexes
- C. antibodies
- D. enzymes

39. Vitamin K 1 is otherwise known as:

- A. Retinol
- B. Tocopherol
- C. Ascorbic acid
- D. Phylloquinone

40. The substance produced by a cell in viral infection that can protect other cells from further infection is:

- A. serotonin
- B. colostrum
- C. interferon
- D. histamine

41. Blood tinged foamy and frothy sputum is a characteristic feature of:

- A. Pleural effusion
- B. Pulmonary stenosis
- C. Pulmonary edema
- D. Pericarditis

42. CINAHL is a:

- A. Statistical software
- B. Tool for data collection
- C. Literature database
- D. Nursing journal

43. Stanford Binet test is used to measure:

- A. Intelligence
- B. Aptitude
- C. Attitude

D. Personality

44. Ortolani's test is used for the diagnosis of :

- A. Pyloric stenosis
- B. Developmental hip dysplasia
- C. Atrial septal defect
- D. Club foot

45. Which form of pathogen is used in vaccination ?

- A. Activated and strong pathogenic antigens
- B. Inactivated and weakened pathogenic antigens
- C. Hyperactive and strong pathogen
- D. Preformed antibodies

46. The common acid base imbalance occurs due to severe diarrhea is:

- A. Respiratory acidosis
- B. Respiratory alkalosis
- C. Metabolic acidosis
- D. Metabolic alkalosis

47. Which of the following is considered a traditional charting?

- A. Narrative
- B. Problem Oriented Medical Record
- C. SOAPIE
- D. F-DAR

48. Antibodies present in colostrum which protect the new born from certain diseases is of:

- A. IgG type
- B. IgA type
- C. IgD type
- D. IgE type

49. Vaccine against polio viruses is an example of:

- A. auto-immunisation
- B. passive immunisation
- C. active immunisation
- D. simple immunisation

50. Which part of the brain controls the Heart?

- A. Spinal cord
- B. Medulla Oblongata
- C. Cerebrum
- D. Neuron

51. An approach of problem solving where the learner proceeds from general to specific is:

- A. Inductive approach
- B. Deductive approach
- C. Analytic approach
- D. Synthetic approach

52. Who is considered as the father of scientific management?

- A. Henry Fayol
- B. Luther Gullik
- C. Frederick Taylor
- D. Harrington Emerson

53. Mrs Amy is on her antenatal period. Her first day of last menstrual cycle was on 2nd March 2022. What will be her expected date of delivery as per Naegele's rule?

- A. November 20th 2022
- B. November 11th 2022
- C. December 9th 2022
- D. December 20th 2022

54. The RPTIM model is related to

- A. Motivation
- B. Organization
- C. Budgeting
- D. Professional development

55. One of the health committees of India which focuses on the principle of integration of health services is

- A. Bhore committee
- B. Mukherjee committee
- C. Jungalwalla committee
- D. Kartar singh committee

56. Which amongst the following is a cause for obstructive shock?

- A. Cardiac tamponade
- B. Myocardial infarction
- C. Haemorrhage
- D. Septicemia

57. The degree of pathogenicity of an infectious agent indicated by the severity of disease manifestations is called:

- A. Infectivity
- B. Virulence
- C. Toxicity
- D. Antigenicity

58. Schick test is used for the diagnosis of:

- A. Diphtheria
- B. Tetanus
- C. Yellow fever
- D. Rubella

59. The first level of the cognitive domain in Bloom's taxonomy is:

- A. Comprehension
- B. Analysis
- C. Synthesis
- D. Knowledge

60. Cognitive development theory was proposed by:

- A. Jean Piaget
- B. Sigmund Freud
- C. Erik Erickson
- D. Lawrence Kolberg

61. A congenital anomaly in which the hands or feet are attached close to the trunk is called:

- A. Polydactyly
- B. Syndactyly
- C. Phocomelia
- D. Hemimelia

62. When developing long term goals for a client with paranoid personality disorder to improve peer relationships-what is the most appropriate goal?

- A. The client will verbalize a realistic view of self
- B. The client will take steps to address disorganized thinking
- C. The client will become appropriately interdependent on others
- D. The client will become involved in activities that foster social relationships

63. What is the name of factor XII in the blood coagulation process?

- A. Prothrombin
- B. Christmas factor
- C. Stuart factor
- D. Hageman factor

64. Fear of pain is termed as?

- A. Algophobia
- B. Zoophobia
- C. Agoraphobia
- D. Xenophobia

65. Perception of a stimulus in the absence of an actual stimulus is known as:

- A. Illusion
- B. Hallucination
- C. Verbigeneration
- D. Delusion

66. The humoral immunity is based on?

- A. Production of antigen
- B. Production of antibodies
- C. Formation of Vaccines
- D. None of the above

67. The scientific method to study human population is:

- A. Anthropology
- B. Demography
- C. Sociology
- D. Ecology

68. Positive Homans sign is interpreted as:

- A. Deep Venous Thrombosis
- B. Pulmonary embolism
- C. Stroke
- D. Epilepsy

69. Uterus turned inside out is called:

- A. Acute inversion of the uterus
- B. Cervical dystocia
- C. Rupture uterus
- D. Prolapse of uterus

70. A propagated epidemic is usually the result of what type of exposure?

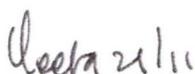
- A. Point source
- B. Continuous common source
- C. Intermittent common source
- D. Person-to-person

University of Hyderabad
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School/Department/Centre : School of Medical Sciences
Course : Ph.D. Subject : Nursing

Q.No.	Answer	Q.No.	Answer	Q.No.	Answer
1	C	26	D	51	B
2	B	27	C	52	C
3	B	28	B	53	C
4	D	29	D	54	D
5	A	30	C	55	C
6	D	31	B	56	A
7	C	32	D	57	B
8	A	33	C	58	A
9	A	34	A	59	D
10	C	35	B	60	A
11	A	36	D	61	C
12	D	37	B	62	D
13	C	38	C	63	D
14	D	39	D	64	A
15	D	40	C	65	B
16	C	41	C	66	B
17	B	42	C	67	B
18	B	43	A	68	A
19	B	44	B	69	A
20	A	45	B	70	D
21	C	46	C		
22	D	47	A		
23	D	48	B		
24	A	49	C		
25	B	50	B		

Note/Remarks :


Signature
School/Department/Centre