



Hemchandracharya North Gujarat University PHD Exam

Exam Name : HNGU_PHD_Hospital Manegement_30.01.2024_12.00 PM TO 02:00 PM

Exam Date : 2024-01-30

Exam Time : 12:00:00 PM To 02:00:00 PM

Total Marks : 100

Note : The correct answer is indicated by the green color. સાચો જવાબ લીલા રંગ દ્વારા સૂચવવામાં આવે છે.

Question List:

Section: Section-A

- **Which of the following is included in features of research? [1 Mark]**
 - Research is a logical process
 - Research needs accuracy
 - Research is a process carried out with passion
 - **All of these**
- **Which of the following is not a type of evolutionary research? [1 Mark]**
 - Contemporary evaluation
 - Periodic evaluation
 - **Political evaluation**
 - Final evaluation
- **What is the type of information that classified below? Classified information: (1) Yes (2) No. [1 Mark]**
 - **Binary-nominal**
 - Binary-ordinal
 - Ratio measurement
 - Interval measurement
- **Number of books in the library' this data is related to which kind of scale? [1 Mark]**
 - Nominal scale
 - Ordinal scale
 - **Interval scale**
 - Ratio scale
- **Why do you study review of literature? [1 Mark]**
 - To study what is already known about the subject
 - To know about concepts and principles have been applied to the subject
 - To study about the main contributors in this context
 - **All of these**

• **What is research design? [1 Mark]**

- A way of conducting research that is not theoretical
- The choice to use qualitative or quantitative methods
- The style in which you present your research findings, E.g. Graph.
- **Structure for each stage of data collection and analysis**

• **95% of total area under standard normal curve is between _____ and _____. [1 Mark]**

- - 0.96 to + 0.96
- **- 1.96 to + 1.96**
- - 2.58 to + 2.58
- $-\infty$ to $+\infty$

• **If a boy cycles 8 km at the speed of 8 km per hour, and walks another 8 km at the speed of 2 km per hour. His average speed per hour is [1 Mark]**

- 5 km
- 16/5 km
- 6 km
- **4 km**

• **Which of the following is not a Non- parametric test of hypothesis testing? [1 Mark]**

- **t-test**
- Sign Wilcoxon Test
- Mann-Whitney Test
- Kruskal Wallis Test

• **Which one of the following statistical measures is based on all observations? [1 Mark]**

- Quartile Deviation
- **Harmonic mean**
- Range
- Mode

• **What are the values of Skewness and Kurtosis for normal distribution? [1 Mark]**

- 3 and 0
- **0 and 3**
- -3 and 0
- $-\infty$ to $+\infty$

• **Qualitative observation is usually done for exploratory purposes; it is also called _____ observation. [1 Mark]**

- Structured
- **Naturalistic**
- Complete
- Probed

• **What is a pilot survey? [1 Mark]**

- **The process of verification by the first field work to test the questionnaire before conducting questionnaire based primary survey**
- Survey conducted before subject selection.
- Statistical investigation after completion of research study
- Research proposal offered by researcher

• **Which of the following is not true for functional research? [1 Mark]**

- Conducts research according to the problem itself.
- **The result obtained can be applied to the wider world.**
- Work can be improved through it
- It is activity focused.

• **Which of the following is not included in the source of primary data. [1 Mark]**

- **RBI report**
- Group discussion

- Interview
 - Observation
- **A survey in which information is collected from each and every individual of the population is known as: [1 Mark]**
 - Sample survey
 - Pilot survey
 - Biased survey
 - **Census Survey**
- **What are the essential features of a research design? (1) It is an active and time based plan. (2) The plan is based on a research question. (3) It shows the procedure for each research activity. (4) Sources and types of information corresponding to the scheme are selected. [1 Mark]**
 - 1 and 2
 - 1, 2, and 3
 - **1, 2, 3, and 4**
 - 2 and 3
- **Another name for a Likert Scale is a(n): [1 Mark]**
 - **Summated rating scale**
 - Interview protocol
 - Ranking
 - Event sampling
- **A Type I error occurs when we: [1 Mark]**
 - Reject a false null hypothesis
 - **Reject a true null hypothesis**
 - Do not reject a false null hypothesis
 - Do not reject a true null hypothesis
- **In order to determine the p-value of a hypothesis test, which of the following is not needed? [1 Mark]**
 - Whether the test is one-tail or two-tail
 - The value of the test statistic
 - The form of the null and alternate hypotheses
 - **The level of significance**
- **Which of the following sampling methods, is a probability method? [1 Mark]**
 - udgement
 - Judgement
 - **Simple random**
 - Convenience
- **Which of the following is not a type of non-probability sampling? [1 Mark]**
 - Convenience sampling
 - Quota sampling
 - Snowball sampling
 - **Stratified random sampling**
- **Ethics can be defined as: [1 Mark]**
 - **A process of reasoning in terms of the right thing to do.**
 - Rules governing society.
 - The basis of the criminal code.
 - A list of rights and wrongs.
- **Bibliography it Means: [1 Mark]**
 - Foot notes
 - Biography
 - Questions
 - **List of books referred**

- **An abstract contains: [1 Mark]**
 - A brief summary of research problems
 - A brief Analysis of data
 - **A brief summary of the findings of the report**
 - A brief interpretation of data

- **Full form of APA [1 Mark]**
 - African Psychological Association
 - **American Psychological Association**
 - Asian Psychological Association
 - Australian Psychological Association

- **Which of the following statement is true for Research Ethics. (I) Standard research ethics changes from person to person. (II) Research emerges from the societal problems and the observation of a researcher [1 Mark]**
 - I only
 - **II only**
 - I & II both
 - None of these

- **A complete survey of population is called [1 Mark]**
 - **Census**
 - Sample
 - Report
 - None of these

- **The proposal's literature review is important because: [1 Mark]**
 - It is expected by the university.
 - **It looks authoritative.**
 - It shows that you are knowledgeable about the literature that relates to your research topic
 - The tutor insists upon it.

- **Size of critical region is known as _____ [1 Mark]**
 - B
 - $1 - \beta$
 - Critical value
 - **Size of the test**

- **What is a sign of Mode? [1 Mark]**
 - Σ
 - M
 - X
 - **Z**

- **A thesis statement is [1 Mark]**
 - An observation
 - **An assertion**
 - A Fact
 - A discussion

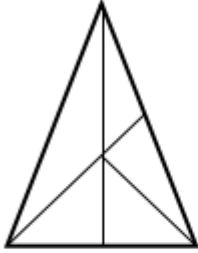
- **Based on the information of runs scored by two players A and B, A's coefficient of variation is 37 and B's coefficient of variation is 40. Which of the two players has more stable ? [1 Mark]**
 - **A player**
 - B player
 - Both A Player and B Player
 - Neither A nor B.

- **Between which two numbers does the probability value lie? [1 Mark]**
 - 0 to -1
 - **0 to +1**

- -1 to +1
 - 1 to 2
- Which of the following distributions is a normal distribution? [1 Mark]
 - χ^2
 - F distribution
 - **Normal distribution**
 - None of these
 - Which of the following toolbars is used to execute code in the MATLAB interface? [1 Mark]
 - File toolbar
 - Home toolbar
 - Edit toolbar
 - **Plot toolbar**
 - What is the role of computers in research and computing? [1 Mark]
 - Data storage and analysis
 - Operating laboratory equipment
 - Text processing and reporting
 - **All of these**
 - How does the binary number system represent data in computers? [1 Mark]
 - **Using combinations of 0 and 1**
 - In the same way as decimal numbers
 - Using graphics and images
 - Using text and code
 - Why are various software packages used in research? [1 Mark]
 - **To analyze and graph data**
 - To document laboratory results
 - To review reference literature
 - To write books
 - What does Microsoft Word do? [1 Mark]
 - Data analysis
 - Create presentations
 - **Write documents**
 - Send emails
 - Find out the next term in the following series: 0, 3, 8, 15, 24, ... [1 Mark]
 - **35**
 - 32
 - 39
 - 37
 - If UPE=SNC, then QHD= [1 Mark]
 - NKH
 - **OFB**
 - PGE
 - MKF

• Image [1 Mark]

How many triangles are there in the following figure?



A	6
B	10
C	11
D	12

- A
- B
- C
- **D**

• The average age of 32 students is 10 years. If the teachers age is included, then their average age increase by one year. What is the teacher's age in years? [1 Mark]

- 21
- 33
- **43**
- 45

• Image [1 Mark]

Find the missing number in the following:

1	2	3
4	5	6
7	8	9
27	38	?

A	52
B	51
C	50
D	49

- A
- **B**
- C
- D

• The teacher explained the first chapter to students. (Select the correct passive form of the given sentence.) [1 Mark]

- **The first chapter was explained to students by the teacher.**
- The first chapter had been explained to students by the teacher.
- The first chapter had explained to students by the teacher
- The first chapter had been explain to students by the teacher.

• Give the one word substitute for 'one who possesses many talents'. [1 Mark]

- Wise
- Exceptional
- **Versatile**

- Extra ordinary
- Give the antonym of 'mild' [1 Mark]
 - **Gruff**
 - Bold
 - Strong
 - Active
- Only one of the students _____ completed the homework. [1 Mark]
 - Have
 - Was
 - **Has**
 - Is
- Exercise is necessary _____ good health [1 Mark]
 - At
 - In
 - **For**
 - Without

Section: Section-B

- The Quality Council of India (QCI) established the National Accreditation Board for Hospitals and Healthcare Providers (NABH) in _____. [1 Mark]
 - 2001
 - 2003
 - **2006**
 - 2007
- In which year was the right to health declared a basic human right by the World Health Organization? [1 Mark]
 - **1946**
 - 1952
 - 1987
 - 2007
- Which of the following systems best describes how neighbourhoods, schools, and families contribute to the explanation of socioeconomic disparities in health? [1 Mark]
 - **Micro systems**
 - Meso systems
 - Macro system
 - None of these
- Child nutritional status is defined in terms of three anthropometric variables. These are: [1 Mark]
 - mortality, morbidity and underweight
 - **stunting, wasting and underweight**
 - body mass index, morbidity rate, dependency ratio
 - None of these
- _____ is a form of economic analysis that compares the relative costs and outcomes (effects) of different courses of action. [1 Mark]
 - Cost-Utility Analysis
 - Cost-Minimization Analysis
 - **Cost-Effectiveness Analysis**
 - Cost-Consequences Analysis
- _____ is the process of expanding a job's duties and responsibilities while keeping them mostly on the same level and peripheral. [1 Mark]
 - Job Rotation
 - **Job Enlargement**

- Job Enrichment
 - Job Sharing
- Daniel Goleman describes the four dimensions of emotional intelligence: self-awareness, self-management, social awareness and [1 Mark]
 - Risk Management
 - Reward Management
 - **Relationship Management**
 - None of these
- The group development model developed by _____ states that groups are formed, storm, norm, perform, and adjourn. [1 Mark]
 - **Bruce Tuckman**
 - Philip Zimbardo
 - Elton Mayo
 - Henry Fayol
- A third party in business negotiation and conflict management acts as a __ [1 Mark]
 - mediator
 - arbitrator
 - conciliator
 - **All of these**
- __ is a state of emotional, physical, and mental exhaustion caused by excessive and prolonged stress. [1 Mark]
 - Fatalism
 - Cynicism
 - **Burnout**
 - Nastiness
- __ is a sort of behavioural reactivity in which people alter a behaviour pattern when they become aware that they are being watched. [1 Mark]
 - **Hawthorne effect**
 - Halo effect
 - Mandela effect
 - Pygmalion effect
- Copyrights, Patents and Trademarks are examples of _____. [1 Mark]
 - Current Assets
 - **Intangible Assets**
 - Fixed Assets
 - Tangible Assets
- If a trial balance totals do not agree, the difference must be entered in _____. [1 Mark]
 - Nominal Account
 - Profit and Loss Account
 - **Suspense Account**
 - Capital Account
- Finance can be divided broadly into various distinct categories_ [1 Mark]
 - Personal Finance
 - Public Finance
 - Corporate Finance
 - **All of these**
- The relationship between the firms EBIT and earning available for share holders is known as _ [1 Mark]
 - Operating leverage
 - **Financial leverage**
 - Combined leverage
 - None of these

- **Which new components are included in the 4P to 7P marketing mix? [1 Mark]**
 - People, Product and Place
 - Physical Evidence, Place and Promotion
 - **People, Physical Evidence and Process**
 - Physical Evidence, Process and Promotion

- **Disaster management cycle includes the following function: [1 Mark]**
 - Planning, Responses, Recommendation and Management
 - Preparation, Responses, Recovery and Mitigation
 - **Planning, Responses, Recommendation and Mitigation**
 - Preparation, Responses, Recovery and Management

- **Preparation, Responses, Recovery and Management [1 Mark]**
 - Microbial Agent, Environmental factors, protozoa and Bacterial resistance
 - Microbial Agent, External factors, protozoa and Bacterial resistance
 - Microbial Agent, External factors, Patient susceptibility and Bacterial resistance
 - **Microbial Agent, Environmental factors, Patient susceptibility and Bacterial resistance**

- **Which type of fire extinguisher use to combat fire related Wood, Paper, textiles, Flammable liquid, Gaseous fires, Live electrical equipment etc. [1 Mark]**
 - Water
 - **Dry powder**
 - Foam
 - CO2

- **In epidemiology triad, the _____ is the microorganism (Bacteria, virus, fungus, or parasite) that actually causes the diseases. [1 Mark]**
 - **Agent**
 - Host
 - Environment
 - None of these

- **Balanced scorecard approach for measuring company performance requires [1 Mark]**
 - Financial Objective
 - Strategic Objective
 - **Financial Objective & Strategic Objective**
 - None of these

- **Porter's model of five strategic forces affecting industry competition includes: _ [1 Mark]**
 - New Entrants, Suppliers, Cost, and Substitute Products
 - New Features, Suppliers, Customers, and Substitute Products
 - **New Entrants, Suppliers, Customers, and Substitute Products**
 - New Features, Suppliers, Cost, and Substitute Products

- **The powerful worldwide changes that have altered the business environment_____ . [1 Mark]**
 - Emergence of the Global Economy
 - Transformation of Industrial Economies
 - The Emerging Digital Firm
 - **All of these**

- **_ is a medical imaging technology which provides economical storage and convenient access to images from multiple modalities. [1 Mark]**
 - **Picture archiving and communication system**
 - Personal archiving and communication system
 - Picture archiving and credit system
 - Personal archiving and credit system

- Doctor of any specialty while attending Medico-legal case cases is duty-bound to inform the police under section ____ of Criminal Procedure Code (CrPC). [1 Mark]
 - 19 CrPC
 - 29 CrPC
 - **39 CrPC**
 - 49 CrPC
- ____ zone include: (a) Operating room (b) Scrubbing room. (c) Pre-Anesthesia room (d) Sterile Instruments trolley area. [1 Mark]
 - Protective Zone
 - **Aseptic zone**
 - Clean zone
 - Disposal zone
- A _____ lists out the job title, location, job summary, working environment, duties to be performed on the job etc. and _____ lists out the qualifications , experience, training, skills, emotional attributes, mental capabilities of an individual to perform the job. [1 Mark]
 - **Job description and Job specification**
 - Job specification and Job description
 - Job specification and Job evaluation
 - Job evaluation and Job specification
- ____ is the act and procedure followed for putting on the Personal Protective Equipment (PPE), and _____ is the term for removing the Personal Protective Equipment (PPE). [1 Mark]
 - **Donning and Doffing**
 - Doffing and Donning
 - Donning
 - Doffing
- are used to study incidence, causes, and prognosis. Because they measure events in chronological order they can be used to distinguish between cause and effect [1 Mark]
 - Case controlled studies
 - **Cohort studies**
 - Cross sectional studies
 - None of these
- __ tasked with reviewing and assessing the requirements necessary for primary health centres to initiate the maintenance phase of the National Malaria Eradication Programme (NMEP). [1 Mark]
 - Bhore Committee
 - Mudaliar Committee
 - **Chadha Committee**
 - Shrivastav Committee
- __ is characterized by the mandatory participation of individuals in a social health insurance program, which is funded through contributions from both employers and employees. [1 Mark]
 - Beveridge model
 - **Bismarck model**
 - Semashko model
 - None of these
- The Mann-Whitney test, Kruskal-Wallis test, Wilcoxon test, and Friedman test are considered to be__ [1 Mark]
 - parametric test
 - **non-parametric test**
 - parametric test & non-parametric test
 - None of these
- In a perfectly symmetrical distribution, the mean, median and the mode are_ [1 Mark]
 - **Mean =Median= Mode**
 - Mean =Median> Mode

- Mean =Median< Mode
 - Mean
- **In motivation theory, ERG stands for [1 Mark]**
 - Effective, readiness and growth
 - Expectancy, real and growth
 - **Existence, relatedness and growth**
 - Excellent relationship and growth
- **The Phillips curve describes the relationship between: [1 Mark]**
 - federal budget deficit and the trade deficit
 - **unemployment rate and the inflation rate**
 - savings and investment
 - marginal tax rates and tax revenues
- **Break-even is not affected with changes in [1 Mark]**
 - sales price per unit
 - variable cost per unit
 - total fixed cost
 - **number of unit sold**
- **If EOQ is 200 units, ordering cost is ₹ 20 per order and total purchases is 4,000 units. The carrying cost per unit will be: [1 Mark]**
 - ₹ 2
 - **₹ 4**
 - ₹ 6
 - ₹ 8
- **The VED analysis prioritizes items based on critical service values and the item's shortage cost [1 Mark]**
 - ABC analysis
 - JIT analysis
 - **VED analysis**
 - First-in-first-out
- **The standard of care in cases of medical negligence is measured against: [1 Mark]**
 - The most recent medical research evidence available incorrect
 - **What is expected of a reasonable doctor correct**
 - What the majority of doctors would recommend incorrect
 - The standard of experts in the field incorrect
- **The employee state insurance act, 1948 provides certain benefit to the employees in case of [1 Mark]**
 - Sickness
 - Maternity
 - Employment Injury
 - **All of these**
- **Opportunity costs arise in production because [1 Mark]**
 - resources are unlimited
 - **resources must be shifted away from producing one good in order to produce another**
 - wants are limited in society
 - monetary costs of inputs usually outweigh non-monetary costs
- **Which is the factor that does influence the organizational purchase process by providing information about the general market situation, growth rate, poverty rate and unemployment rate? [1 Mark]**
 - Political factors
 - Social factors
 - Legal factors
 - **Economic factors**

- In a given population the number of deaths due to cancer per 100 total deaths is called a [1 Mark]
 - Case fatality rate
 - crude death rate
 - **Proportional mortality ratio**
 - survival rate

- Cross sectional study is included in which type of epidemiology study? [1 Mark]
 - **Analytical**
 - Descriptive
 - Randomised control
 - Ecological study

- Which services are not a part of hospital services: [1 Mark]
 - Essential services
 - **Additional services**
 - Utility services
 - Administrative services

- The length of stay in hospital are as follows: 1,2,5,6,7,5,7,6,4,3,5,2 Find the mode of the data. [1 Mark]
 - **5**
 - 7
 - 12
 - 6

- The ultimate concern of Financial Management is: [1 Mark]
 - to arrange the funds
 - effective management of all the business
 - **to acquire and utilize every aspect of financial resources in order to maintain the firm activities**
 - receiving the maximum profit

- An expected dividend yield is 7.5% and an expected rate of return is 15.5% then constant growth rate will be [1 Mark]
 - 0.22
 - 0.23
 - **0.08**
 - 0.0206

- Which of the following statement is true if the Net present value of a positive? [1 Mark]
 - **The IRR must be greater than 0.**
 - The discount rate exceeds the cost of capital.
 - The profitability index equals 1.
 - Accepting the project has an indeterminate effect on shareholders.

- Which of the following is defined as the rule or formula to test a Null Hypothesis? [1 Mark]
 - **Test statistic**
 - Population statistic
 - Variance statistic
 - Null statistic.