

PREVIEW QUESTION BANK(Dual)

Module Name : SCPH03 Biomedical Research
Exam Date : 31-Oct-2023 Batch : 09:30-12:30

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Ne N
Objective Question				
1	969001	During manuscript preparation, literature review is useful except for 1. Results 2. Discussion 3. Introduction 4. Methods A1 : 1 A2 : 2 A3 : 3 A4 : 4		4.
Objective Question				
2	969002	A process of reasoning from a theory or hypothesis to systematic observation and conclusion is called 1. Deductive approach 2. Inductive approach 3. Disclosure approach 4. Discourse approach A1 : 1 A2 : 2 A3 : 3 A4 : 4		4.
Objective Question				
3	969003			4.

A researcher wants to estimate the prevalence of exclusive breast feeding in a remote tribal population. She also wants to understand the myths and taboos associated with breast feeding. Which of the following approaches can be employed in this scenario

1. Quantitative study
2. Morphometric study
3. Qualitative study
4. Clinical trial

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

4 969004

Which system uses sequential numbers in the text?

1. Chicago
2. Parenthetical
3. Vancouver
4. German

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

5 969005

Which one of the following establishes values for acknowledging sources used in research?

1. MLA
2. APA
3. CMS
4. CCG

A1 1
:

A2 2
:

A3 3
:

4.

A4 4
:

Objective Question

6 969006

4.

Which one of the following is not a type of report?

1. Technical
2. Interim
3. Inventory
4. Simple

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

7 969007

4.

The F-test

1. is essentially a two-tailed test
2. is essentially a one -tailed test
3. can be one -tailed as well as two-tailed depending on the hypothesis
4. can never be one tailed test

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

8 969008

4.

What statistic is used to estimate the risk of acquiring a disease?

1. Prevalence
2. Mortality rate
3. Case fatality
4. Incidence

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

9 969009

The appropriate epidemiologic measure to determine the severity of an acute disease is

1. Case fatality ratio
2. Incidence rate
3. Mortality rate
4. Prevalence

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

10 969010

What are the conditions in which Type -I error occurs

1. The null hypothesis get accepted even if it is false
2. The null hypothesis get rejected even if it is true
3. Both the null hypothesis as well as alternative hypothesis are rejected
4. Both the null hypothesis as well as alternative hypothesis are accepted

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

11 969011

Which of the following is non-probability sampling?

1. Snowfall
2. Random
3. Cluster
4. Stratified

A1 1
:

4.

A2 2
:

A3 3
:

A4 4
:

Objective Question

12 969012

4.

Which one of the following is not an element of a Literature Review?

1. Headings
2. Introduction
3. Body
4. Conclusion

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

13 969013

4.

In a rural block with 100,000 population, 250 individuals were identified with diabetes type II. Calculate the prevalence of Diabetes type II per 1000 population.

1. 2.5
2. 0.2
3. 0.5
4. 250

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

14 969014

4.

Published information in a particular subject area is discussed in

1. Journals
2. Research Proposal
3. Literature Review
4. Bioethics

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

15 969015

Significant P value is

1. 05
2. 01
3. 1
4. 005

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

16 969016

Abstract of the journal article does not contain

1. Methodologies
2. Result
3. Objectives
4. Ethical consideration

A1 1
:

A2 2
:

A3 3
:

4.

A4 4
:

Objective Question

17 969017

4.

If sample size is increased then sampling error

1. reduces non-sampling error
2. does not change
3. reduces
4. increases

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

18 969018

4.

When a researcher wants to assess effects of polyunsaturated fatty acids (PUFA), on PCOS, cancer, diabetes, the researcher searches related articles in PubMed and Google Scholar. This process is known as

1. Indexing
2. Information retrieval
3. Data mining
4. Data Management

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

19 969019

4.

Data related to human beings are called

1. Territorial data
2. Peripheral data
3. Organizational data
4. Demographic data

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

20 969020

Raw materials for analysis are

1. variables
2. problem
3. data
4. sample

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

21 969021

Search engines are used to find

1. Ambiguous information
2. Web pages
3. Web pages for specified index terms
4. Web pages for information using specified search terms

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

22 969022

Full form of SPSS is

1. Statistical package for Social Sciences
2. Software package for Social Sciences
3. Social package for Social Sciences
4. Societial package for Social Sciences

A1 1
:

4.

A2 2
:

A3 3
:

A4 4
:

Objective Question

23 969023

4.

Which of the following is not a citation style?

1. MLA
2. PLA
3. APG
4. CMS

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

24 969024

4.

The term "Research Methodology" refers to

1. The methods used in data collection and analysis
2. The rules for writing a research report or paper
3. The specific methods of study and analysis
4. The theoretical paradigms for data collection, analysis and interpretation

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

25 969025

4.

Which of the following statements are correct?

- (A) Measurement is one of the factor that must be taken in to account in Quantitative research
- (B) Causality is one of the factor that must be taken in to account in Quantitative research
- (C) Replication is one of the factor that must be taken in to account in Quantitative research
- (D) Exclusion of statistical analysis is one of the factor that must be taken in to account in Quantitative research

Choose the **correct** answer from the options given below:

- 1. (A), (B) and (D) only.
- 2. (A), (B) and (C) only.
- 3. (A), (B), (C) and (D).
- 4. (B), (C) and (D) only.

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

26 969026

In which of the following research methods, process of hypothesis testing optimally safeguards the role of extraneous variables?

- 1. Expost Facto method
- 2. Experimental method
- 3. Historical method
- 4. Descriptive survey method

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

27 969027

A hypothesis which develops while planning the research is

- 1. Null hypothesis
- 2. Working hypothesis
- 3. Relational hypothesis
- 4. Descriptive hypothesis

A1 1
:

4.

A2 2
:

A3 3
:

A4 4
:

Objective Question

28 969028

4.

Match **List-I** with **List-II**

List-I	List-II
(A).First Variable	(I). Dependent
(B).Second Variable	(II). Analysis
(C). Data	(III). PubMed
(D). Literature Survey	(IV).Independent

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (IV), (B) - (I), (C) - (II), (D) - (III)
3. (A) - (I), (B) - (III), (C) - (IV), (D) - (II)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

29 969029

4.

What is the major attribute of correlation analysis?

1. Association among variables
2. Difference among variables
3. Regression among variables
4. Variations among variables

A1 1
:

A2 2
:A3 3
:A4 4
:

Objective Question

30 969030

4.

Match **List-I** with **List-II**

List-I	List-II
(A).Impact factor	(I). Research Scholar
(B).Literature Review	(II). H-Index
(C). Journal	(III). Article
(D). Supervisor	(IV).Research Paper

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (II), (B) - (III), (C) - (IV), (D) - (I)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A)-(III), (B)-(II), (C)-(IV), (D)-(I)

A1 1
:A2 2
:A3 3
:A4 4
:

Objective Question

31 969031

4.

Which is the best source of information on effect modifiers while exploring cause and effect relationship in a research study?

1. Intelligent guessing
2. Discussing with the supervisor
3. Discussing with experienced researchers
4. Thorough review of Literature

A1 1
:A2 2
:

A3 3
:

A4 4
:

Objective Question

32 969032

4.

The policy makers want to know whether introduction of pentavalent vaccine in the national program is resulting in reduction in the number of Hemophilus influenza cases. Which of the following studies will they have to conduct to find the answer?

1. Ecological study
2. Case series
3. Field trial
4. Case Control study

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

33 969033

4.

A research scholar is guided by a trained scholar or

1. Parents
2. Colleagues
3. Supervisor
4. Pharmacist

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

34 969034

4.

The part where credit is given to any author of previous work is called

1. Introduction
2. References
3. Conclusion
4. Publication

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

35 969035

The appropriation of another person's ideas, processes, results or words without giving appropriate credit is

1. Falsification
2. Fabrication
3. Publication
4. Plagiarism

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

36 969036

Smoking and Lung Cancer is an example of what type of research

1. Correlational
2. Descriptive
3. Basic research
4. Exploratory

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

37 969037

4.

Applied research is a type of research on the basis of

1. Application
2. Objective
3. Type of information
4. Application and Objective

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

38 969038

To test null hypothesis, a researcherer uses

1. T-test
2. ANOVA
3. X^2
4. Factorial Analysis

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

39 969039

Which of the following is a commonly used software program for qualitative data analysis?

1. SPSS
2. Excel
3. NVivo
4. SAS

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

40 969040

4.

Which of the following statements are correct?

- (A). Good thesis includes reducing punctuations as well as grammatical errors
- (B). Good thesis has correct reference citations
- (C). In good thesis consistency is observed while writing
- (D). Good thesis contains well defined abstract

Choose the **correct** answer from the options given below:

- 1. (A) and (B) only
- 2. (A), (B), (C), (D).
- 3. (A), (D) and (C) only
- 4. (C), (B) and (D) only

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

41 969041

4.

Depth of any research is observed by

- 1. Research title
- 2. Objectives
- 3. Duration
- 4. Expenditure

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

42 969042

4.

Which of the following statements are correct?

- (A).Research is not Passive
- (B).Research is not a process
- (C).Research is systematic
- (D).Research is not always problem -oriented

Choose the **correct** answer from the options given below:

- 1. (A), (B) and (D) only.
- 2. (A), (C) and (D) only.
- 3. (A) and (D) only
- 4. (B), (C) and (D) only.

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

43 969043

4.

What is the main aim of interdisciplinary research?

- 1. To bring out the holistic approach to research
- 2. To over simplify the problem of research
- 3. To create a new trend in research methodology
- 4. To reduce the emphasis on a single subject in the research domain

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

44 969044

4.

Qualities of the most successful researcher include

- 1. ability to work hard, thorough learning of research methodology, and reasoning ability
- 2. having PhD, and reasoning ability
- 3. having PhD, and thorough learning of research methodology
- 4. good thinking and reasoning ability

		A1 1 : A2 2 : A3 3 : A4 4 :	
Objective Question			
45	969045	Conceptual framework in which the research is carried out is 1. Synopsis of Research 2. Search Paradigm 3. Research hypothesis 4. Research design A1 1 : A2 2 : A3 3 : A4 4 :	4.
Objective Question			
46	969046	Any systematic error in the design, conduct or analysis of a study that results in an erroneous estimate of an exposure's effect on the risk of disease is called 1. Bias 2. Confounding 3. Stratification 4. Interaction A1 1 : A2 2 : A3 3 : A4 4 :	4.
Objective Question			
47	969047		4.

The process of identifying and reporting unethical or unsound research is

1. Study design
2. Research ethics
3. Research misconduct
4. Scholarship

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

48 969048

There is need to review the existing literature

1. to make sure you have a long list of references
2. because without it, you could never reach the required word-count
3. to find out what is already known about your area of interest
4. to help in your general studying

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

49 969049

Motivation of research is

1. Quantitative
2. Qualitative
3. Pure
4. Applied

A1 1
:

A2 2
:

A3 3
:

4.

A4 4
:

Objective Question

50 969050

Core elements of a Dissertation are

1. Introduction; Data collection; Data analysis; Conclusions and Recommendations
2. Executive Summary; Literature Review; Data gathered; Conclusions; Bibliography
3. Research plan; Research data; Analysis; References
4. Introduction; Literature Review; Research Methodology; Results; Discussions and Conclusions

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

51 969051

For cell quantification a slide is used, which is named as

1. Haemocytometer
2. Haemometer
3. Haemoglobinometer
4. Haemocrait

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

52 969052

Degradation of a biological material caused by bacteria is

1. Putrefaction
2. Apoptosis
3. Autolysis
4. Liquefaction

A1 1
:

A2 2
:

4.

A3 3
:

A4 4
:

Objective Question

53 969053

At Isoelectric point, a protein has

1. Positive Charge
2. No charge
3. Positive charge
4. Charge is dependent on the sequence of the protein

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

54 969054

In humans IgA

1. is the first antibody produced in an immune response
2. crosses the placenta to protect the foetus
3. is present in high concentrations in breast milk
4. is present in low concentrations in breast milk

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

55 969055

Dyes of Sudan group are usually used as a staining for

1. Proteins
2. Polysaccharide
3. Lipids
4. Glycopolysaccharides

A1 1
:

4.

A2 2
:

A3 3
:

A4 4
:

Objective Question

56 969056

4.

Due to reduced amount of hemoglobin in the blood, what function of the blood will be disordered?

1. Transport of hormones
2. Transport of gases
3. Transport of nutrients
4. Transport of immune cells

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

57 969057

4.

C5a is

1. An opsonin
2. A C5 Convertase
3. A C3 Convertase
4. An anaphylatoxin

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

58 969058

4.

Which one of the following technique can be used to study transient protein-protein interaction in a live cell

1. Pull Down Assay
2. Immunoprecipitation
3. surface plasma resonance
4. Forster resonance energy transfer

		A1 1 : A2 2 : A3 3 : A4 4 :	
Objective Question			
59	969059	Which anatomical part is involved in both the respiratory and digestive systems? 1. Trachea 2. Pharynx 3. Larynx 4. Nasal cavity A1 1 : A2 2 : A3 3 : A4 4 :	4.
Objective Question			
60	969060	Match the following (A) Xe133 (I) Cancers (B) F18 (II) Lung ventilation (C) Tc 99 (III) Thyroid (D) I125 (IV) Metabolism in Renal blockage 1. (A) - (II), (B) - (I), (C) - (IV), (D) - (III) 2. (A) - (I), (B) - (II), (C) - (III), (D) - (IV) 3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III) 4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II) A1 1 : A2 2 : A3 3 : A4 4 :	4.

Objective Question

61	969061	4.
	Common type of Vaginitis is infection caused by 1. Yeast 2. bacteria 3. virus 4. Protozoa A1 1 : A2 2 : A3 3 : A4 4 :	

Objective Question

62	969062	4.
	In systemic circulation, which of the following carries oxygenated blood? 1. Pulmonary veins 2. Capillaries 3. Right ventricle 4. Left ventricle A1 1 : A2 2 : A3 3 : A4 4 :	

Objective Question

63	969063	4.
	Which one of the following techniques can be used to study conformational changes in Myoglobin? (A) Mass Spectrometry (B) Fluorescent spectroscopy (C) Circular dichorism spectroscopy (D) Confocal Microscopy 1. (A), (B), (C), (D). 2. (A), (C) only. 3. (B), (C) only. 4. (D), (A) only.	

		A1 1 : A2 2 : A3 3 : A4 4 :	
Objective Question			
64	969064	In general, excessive RBC breakdown can result in 1. Elevated WBC 2. Crohn's disease 3. Peptic Ulcers 4. High bilirubin levels A1 1 : A2 2 : A3 3 : A4 4 :	4.
Objective Question			
65	969065	Principle of Immunohistochemistry is based on 1. Immunology + Chemistry 2. Histology + Biochemistry 3. Immunology + Histology 4. Immunology + Histology + Chemistry A1 1 : A2 2 : A3 3 : A4 4 :	4.
Objective Question			
66	969066		4.

Which of the following statements are correct?

- (A) Acridine orange is used for localization of RNA
- (B) Methyl green pyronin Y is used for DNA and RNA
- (C) Feulgen reaction is for the detection of DNA
- (D) Haematoxylin- Eosin staining is for RNA localisation

Choose the **correct** answer from the options given below:

- 1. (A), (B) and (D) only.
- 2. (B) and (C) only.
- 3. (A), (B), (C) and (D).
- 4. (B), (C) and (D) only.

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

67 969067

The prevention of illness through vaccination occurs due to the formation of

- 1. Memory cells
- 2. Mast cells
- 3. Muroid cells
- 4. Immunosurveillance

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

68 969068

For identifying the distribution of a specific protein in a tissue, which one of the following type of immunofluorescence microscopic methods is the most suitable method to attain the highest level of resolution?

- 1. Indirect Immunofluorescence microscopy
- 2. Confocal microscopy
- 3. Confocal microscopy with deconvolution
- 4. Wide angle microscopy with deconvolution

4.

A1 1
:A2 2
:A3 3
:A4 4
:

Objective Question

69 969069

4.

The pH range of extracellular fluid and intracellular fluid is

1. 7.35-7.45; 7.0-7.2
2. 7.25-7.30; 7.50-7.60
3. 7.30-7.35-7.45
4. 7.50-7.60; 7.3-7.35

A1 1
:A2 2
:A3 3
:A4 4
:

Objective Question

70 969070

4.

During labour foetal heart rate is monitored at intervals

- (A) 20 min; 10 sec
(B) 15 min; 0 sec
(C) 10 min; 15 sec
(D) 25 min; 0 sec

1. (A), (B)
2. (A), (B), (C)
3. (B) only
4. (C), (B), (D), (A).

A1 1
:A2 2
:A3 3
:A4 4
:

Objective Question

71	969071	The material used in limb surface electrode is 1. Gold-Nickel 2. Lead-Silver 3. Magnesium- Nickel 4. German Silver A1 1 : A2 2 : A3 3 : A4 4 :	4.
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Objective Question

72	969072	Which of the following is not mass analyser? 1. Frequency sweep Analyser 2. Magnetic sector analyser 3. Double focusing spectrometer 4. Time of flight analyser A1 1 : A2 2 : A3 3 : A4 4 :	4.
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Objective Question

73	969073	Which of the following statement(s) are correct? (A) Spectroscopic methods require less time and less amount of sample than classical methods. (B) Spectroscopic methods require less time and more amount of sample than classical methods. (C) Spectroscopic methods require more time and less amount of sample than classical methods. (D) Spectroscopic methods require more time and more amount of sample than classical methods. Choose the correct answer from the options given below: 1. (A) only. 2. (A), (B) and (D) only. 3. (A), (B), (C) and (D). 4. (B), (C) and (D) only.	4.
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A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

74 969074

4.

Grave's disease

1. usually affects the elderly people
2. can not be treated
3. is an autoimmune disease
4. commonly affects males

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

75 969075

4.

Organism transmitted by a mosquito bite that causes malaria is a

1. Virus
2. Prion
3. Bacteria
4. Protozoa

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

76 969076

4.

In the National Library of Medicine (NLM), MeSH means

1. Medical Subject Heading
2. Medical Services Heading
3. Medical Subject Helpline
4. Medicine Services Helpline

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

77 969077

Guidelines that can be used for drafting protocols for a clinical trial

1. STROBE
2. STROKE
3. CARE
4. SPIRIT

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

78 969078

Hot star PCR is performed to

1. expedite the PCR reaction
2. prevent mutations
3. prevent primer dimer formations
4. minimize non-specific amplifications

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

79 969079

4.

Which is the best method for checking mycoplasma contamination in a mammalian cell line?

1. Hybridoma technique
2. PCR
3. ELISPOT Assay
4. Western hybridization

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

80 969080

4.

Which one of the following molecular techniques uses combination of both restriction enzyme + PCR technique?

1. SSR
2. AFLP
3. RAPD
4. SNP

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

81 969081

4.

Match **List-I** with **List-II**

List-I	List-II
(A) Adriamycin	(I) Intrastrand DNA adducts
(B) 6-mercaptopurine	(II) Topoisomerase inhibitor
(C) Cisplatin	(III) Inhibits IMP to AMP
(D) Actinomycin -D	(IV) Intercalation in DNA

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (II), (B) - (III), (C) - (I), (D) - (IV)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 1
:A2 2
:A3 3
:A4 4
:

Objective Question

82 969082

Magnetic biosensor is widely used for

1. ECG detection
2. EMG detection
3. Blood detection
4. DNA detection

A1 1
:A2 2
:A3 3
:A4 4
:

4.

Objective Question

83 969083

4.

After bee stung, a boy suffered itching, erythema, respiratory distress caused by laryngeal edema and vascular collapse. He was given an epinephrine injection. Boy was having

1. anaphylactic shock
2. allergic rhinitis
3. asthma
4. allergic sinusitis

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

84 969084

Life span of leucocytes is

1. 10-12 years
2. 10-14 months
3. 7-14 days
4. 7-14 weeks

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

85 969085

Inclusion and exclusion criteria should be included in

1. study design
2. sample size
3. confidentiality
4. study population

A1 1
:

A2 2
:

A3 3
:

4.

A4 4
:

Objective Question

86	969086	Protein -DNA interaction in vivo can be studied by 1. Gel-shift assay 2. EMSA 3. Chromatin Immunoprecipitation assay 4. FISH assay A1 1 : A2 2 : A3 3 : A4 4 :	4.
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Objective Question

87	969087	Outer and inner membrane of the bacteria are separated by 1. Ultracentrifugation 2. Sonication 3. Electrophoresis 4. Sucrose gradient centrifugation A1 1 : A2 2 : A3 3 : A4 4 :	4.
----	--------	---	----

Objective Question

88	969088		4.
----	--------	--	----

Match **List-I** with **List-II**

List-I	List-II
(A) Antiporter	(I) Water
(B) Symporter	(II) creates Na ⁺ , K ⁺ gradient
(C) ATP powered pump	(III) One substance moves up hill and another down hill
(D) Channel porin	(IV) transports lactose into cell

Choose the **correct** answer from the options given below:

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (I), (B) - (IV), (C) - (II), (D) - (III)
3. (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
4. (A) - (III), (B) - (IV), (C) - (II), (D) - (I)

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

89	969089	The DNA conformational transition occurs under low humidity and high salt concentration 1. A to B 2. B to A 3. B to Z 4. A to Z A1 1 : A2 2 : A3 3 : A4 4 :	4.
----	--------	--	----

Objective Question

90	969090		4.
----	--------	--	----

Following dyes can be used to stain both the proteins and DNA in polyacrylamide gel

1. Coomassie blue
2. Silver stain
3. Syber green
4. Ethidium bromide

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

91 969091

Tube which conveys sperm from the seminal vesicle to the urethra is

1. Epididymis
2. Ejaculatory duct
3. Oviduct
4. Ureter

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

92 969092

Presence of fluid in the alveoli of the lungs is not characteristic of

1. Tuberculosis
2. Pneumonia
3. COPD
4. Crohn's disease

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

93	969093	Doppler velocimetry works on the principle of 1. Time shift measurement of fiber optic sensor 2. Phase measurement of fiber optic sensor 3. Frequency measurement of fiber optic sensor 4. Amplitude measurement of fiber optic sensor A1 1 : A2 2 : A3 3 : A4 4 :	4.
----	--------	--	----

Objective Question

94	969094	Which of the following statement(s) are correct? (A). Tuberculosis is an acute bacterial infection of the lung (B). Tuberculosis is viral infection of the lungs (C). Tuberculosis is chronic systemic disease whose initial infection is in the lungs (D). Tuberculosis is an ordinary lung infection Choose the correct answer from the options given below: 1. (A), (B), (C), (D). 2. (C), (D) only. 3. (B), (A) only 4. (C) only A1 1 : A2 2 : A3 3 : A4 4 :	4.
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Objective Question

95	969095	The leading cause of blindness caused by diabetes is 1. Retinopathy 2. Retinoblastoma 3. Retinal detachment 4. Retinitis	4.
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		A1 1 : A2 2 : A3 3 : A4 4 :	
Objective Question			
96	969096	Patients with large number of intestinal helminth parasites show heightened levels of 1. Basophils and monocytes 2. Eosinophils 3. Lymphocytes and macrophages 4. Macrophages and T-cells A1 1 : A2 2 : A3 3 : A4 4 :	4.
Objective Question			
97	969097	Father of X-Ray Technology is 1. Wilhelm Xavier 2. Wilhelm Roentgen 3. William Roentgen 4. Walter Roentgen A1 1 : A2 2 : A3 3 : A4 4 :	4.
Objective Question			
98	969098		4.

Cervical cerclage is a procedure used to help prevent

1. Menstruation
2. Breathing restrictions
3. Miscarriage
4. Torticollis

A1 1
:

A2 2
:

A3 3
:

A4 4
:

Objective Question

99 969099

Which of the following is used for monitoring saturation of patients hemoglobin?

1. Intravascular Oximetry
2. Ear Oximetry
3. Skin-Reflectance Oximetry
4. Pulse Oximetry

A1 1
:

A2 2
:

A3 3
:

A4 4
:

4.

Objective Question

100 969100

Nuclear Polymorphism is exhibited by

1. Platelets
2. Plasma
3. RBC
4. WBC

A1 1
:

A2 2
:

A3 3
:

4.

		A4 :	4
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