

PREVIEW QUESTION BANK

Module Name : SCPH23 Pharmaceutical Sciences - Pharmacy - ENG
Exam Date : 27-Oct-2023 Batch : 14:30-17:30

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negativ Marks
Objective Question				
1	989001	What are the options available with advance search in google scholar? A. Search based on exact word B. Search based on year of publication C. Search excluding specific word D. Search based on author's name E. Search based on publisher Choose the most appropriate answer from the options given below: 1. A, B, D and E only 2. A, B, C and D only 3. B,C,D and E only 4. A, B, C, D and E A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
Objective Question				
2	989002	Software 'Zotero' is a 1. Search engine 2. Reference manager 3. Citation manager 4. h-index indicator A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
Objective Question				
3	989003		4.0	0.00

		What are the most widely used classifications of measurement scales? A. Nominal scale B. Ordinal scale C. Technical scale D. Interval scale E. Ratio scale Choose the most appropriate answer from the options given below: 1. A, B, D and E only 2. A, B, C and D only 3. B, C, D and E only 4. A, C, D and E only A1 : 1 A2 : 2 A3 : 3 A4 : 4		
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Objective Question

4	989004	Which of the following tools are used as reference manager A. Endnote B. Mendeley C. iThenticate Choose the most appropriate answer from the options given below: 1. A and C only 2. B and C 3. A and B only 4. A, B and C A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

5	989005	A researcher should select a Journal for publication based on which of the following criteria? A. Aim and scope of the journal B. Whether the journal is open access C. Terms and conditions of the journal D. Duration of the journal for the reviewer's comment Choose the most appropriate answer from the options given below: 1. A, B and C only 2. B, C and D only 3. A, B, C and D 4. A and B only	4.0	0.00
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		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

6	989006	Advance search in Google scholar is used for 1. Reference management 2. Coding 3. Citation of publication 4. Precise search of publication A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

7	989007	Which of the following parameters are essential for publication of a manuscript according to the editor? A. Manuscript is written in proper format B. Manuscript falls under aims and scope of the journal C. Referencing should be done only using a reference manager tool D. There should not be any plagiarism in the manuscript E. Authors contribution is clearly mentioned Choose the most appropriate answer from the options given below: 1. A, B, C and D only 2. A, B, D and E only 3. B, C, D and E only 4. A, B, C, D and E A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

8	989008		4.0	0.00
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What are the possible sources of error while performing any measurement?

- A. Instrument
- B. Respondent
- C. Measurer
- D. Hypothesis
- E. Situation

Choose the most appropriate answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

9	989009	Which of the following are the tests of proper measurement? A. Test of Validity B. Test of Reliability C. Test of Suitability D. Test of Practicality Choose the most appropriate answer from the options given below: 1. A, B and C only 2. A, B and D only 3. B, C, and D only 4. A, B, C and D A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

10	989010		4.0	0.00
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		Arrange the following in a correct sequence for four-stage process of developing measurement tools A. Specification of concept dimensions B. Selection of indicators C. Concept development D. Formation of index Choose the correct answer from the options given below: 1. B, A, D, C 2. A, B, C, D 3. D, C, A, B 4. C, A, B, D A1 : 1 A2 : 2 A3 : 3 A4 : 4		
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Objective Question

11	989011	Which of the following approaches are used for ranking scales? A. Method of ratio level B. Method of paired comparisons C. Method of rank order Choose the most appropriate answer from the options given below: 1. A and B only 2. C only 3. A, B and C 4. B and C only A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

12	989012		4.0	0.00
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		Which of the following approaches are used for scale construction? A. Consensus scale approach B. Item analysis approach C. Factor analysis approach D. Arbitrary approach E. Cumulative scale approach Choose the most appropriate answer from the options given below: 1. A, C and E only 2. A, B, C and D only 3. A, B, C, D and E 4. A, C, D and E only A1 : 1 A2 : 2 A3 : 3 A4 : 4		
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Objective Question

13	989013	Which are the factors that a researcher should keep in mind while selecting appropriate method for data collection? A. Availability of funds B. Time factor C. Nature and scope of the enquiry D. Ease of using the method E. Precision Choose the most appropriate answer from the options given below: 1. A, B, C and D only 2. A, B, D and E only 3. A, B, C and E only 4. A, B, C, D and E A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

14	989014	A research type that accurately portrays characteristics of particular individual, situation or a group is called as: 1. Formulative research 2. Descriptive research 3. Exploratory research 4. Diagnostic research A1 : 1	4.0	0.00
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A2 : 2

A3 : 3

A4 : 4

Objective Question

15	989015	A researcher interested to investigate the reasons for human behaviour, should conduct A. Quantitative research B. Qualitative research C. Motivation research D. Analytical research Choose the most appropriate answer from the options given below: 1. B and C only 2. A and D only 3. B only 4. B, C and D only A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

16	989016	Study of causal relationship between variables comes under which category of research study? 1. Descriptive research study 2. Exploratory research study 3. Hypothesis-testing research study 4. Fundamental research study A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

17	989017	Study of experimental designs has originated from 1. Social science research 2. Agricultural research 3. Statistical research 4. Chemical research A1 : 1	4.0	0.00
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		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

18	989018	Prof. R.A. Fisher is associated with : 1. Observational design and operation of research 2. Experimental design in social science research 3. Experimental design in agricultural research 4. Statistical design and analysis of experiment A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

19	989019	Which of the following are the principles of experimental design? A. Replication B. Randomization C. Statistical analysis D. Local control Choose the most appropriate 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	4.0	0.00
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Objective Question

20	989020		4.0	0.00
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Which of the following are the alternative hypothesis to test whether the population mean (μ) is equal to the hypothesis mean (μ_{H0})?

- A. $H_a : \mu \neq \mu_{H0}$
- B. $H_a : \mu < \mu_{H0}$
- C. $H_0 : \mu = \mu_{H0}$
- D. $H_a : \mu > \mu_{H0}$

Choose the most appropriate answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

21	989021	If the significance level is 5 percent in two-tailed test, the probability of the acceptance area will be: 1. 0.95 2. 0.095 3. 95 4. 9.5 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

22	989022	If a population does not follow normal distribution, which kind of test can be performed? A. U test B. Chi square test C. Wilcoxon-Mann-Whitney test D. F test E. Kruskal-Wallis test Choose the most appropriate answer from the options given below: 1. A, B and C only 2. C, D and E only 3. A, C and E only 4. B, C and E only A1 : 1	4.0	0.00
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		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

23	989023	Which of the following are parametric tests? A. z-test B. U-test C. t-test D. χ^2 -test E. F-test Choose the most appropriate answer from the options given below: 1. A, B, C and D only 2. A, C, D and E only 3. B, C, D and E only 4. A, B, C, D and E A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

24	989024	Find out the h-index of a researcher based on the citations of the publication given below 1st publication - 10 citations 2nd publication - 8 citations 3rd publication - 7 citations 4th publication - 5 citations 5th publication - 4 citations 6th publication - 3 citations 1. 3 2. 4 3. 5 4. 7 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

25	989025		4.0	0.00
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		How the Impact Factor of a journal is calculated? 1. Total number of citations of a journal/ Total number of publications of that journal 2. Number of citations of a journal in last one year/ Number of publications of that journal in last one year 3. Number of citations of a journal in last two years/ Number of publications of that journal in last two years 4. Number of citations of a journal in last three years/ Number of publications of that journal in last three years A1 : 1 A2 : 2 A3 : 3 A4 : 4		
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Objective Question

26	989026	Find out the i-10 index of a researcher from the following data: 1st publication - 12 citations 2nd publication - 13 citations 3rd publication - 15 citations 4th publication - 8 citations 5th publication - 7 citations 6th publication - 10 citations 7th publication - 11 citations 1. 4 2. 5 3. 6 4. 7 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

27	989027		4.0	0.00
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		For bivariate populations, correlation can be studied through - Karl Pearson's coefficient of correlation - Coefficient of partial correlation - Coefficient of multiple correlation - Charles Spearman's coefficient of correlation - Cross tabulation Choose the most appropriate answer from the options given below: - A, D and E only - A, B and C only - A, B and D only - B, D and E only A1 : 1 A2 : 2 A3 : 3 A4 : 4		
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Objective Question

28	989028	Simple regression analysis defines the relationship between: - Dependent and extraneous variable - Independent and extraneous variable - Dependent and independent variable - Two different dependent variables A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

29	989029	Which one of the following tools is used to detect plagiarism? - Turnitin - MS Word - Google scholar - Zotero A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

30

989030

Match List I with List II

4.0

0.00

LIST I		LIST II	
A.	Descriptive research	I.	To gain familiarity with a phenomenon or to develop new insights about it
B.	Exploratory research	II.	To test a hypothesis defining (causal) relationship between variables
C.	Diagnostic research	III.	To describe the characteristics of a particular situation, group or individual
D.	Hypothesis-testing research	IV.	To determine the frequency with which something occurs or with which it is associated with something else

Choose the correct answer from the options given below:

1. A-II, B- I, C - IV, D - III

2. A-II, B- III, C - IV, D - I

3. A-III, B- II, C - IV, D - I

4. A-III, B- I, C - IV, D - II

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

31	989031	If the aim of a research project is to 'develop a flood tolerant variety of rice', then the nature of the research project can be defined as: 1. Applied research 2. Fundamental research 3. Quantitative research 4. Descriptive research A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

32	989032		4.0	0.00
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Which of the following statements best describe the difference between 'Research Method' and Research Methodology'?

- A. 'Research Method' pertains to the technique whereas 'Research Methodology' is the over-all experimental plan.
- B. 'Research Methodology' pertains to the technique whereas 'Research Method' is the over-all experimental plan.
- C. 'Research Methods' are used for quantitative research whereas 'Research Methodology' is used for qualitative research.
- D. 'Research Methods' are used for qualitative research whereas 'Research Methodology' is used for quantitative research.

Choose the most appropriate answer from the options given below:

- 1. A and C only
- 2. B and C only
- 3. A only
- 4. B and C only

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

33	989033	Before conducting an actual experiment (any method) which of the following should be done? A. Formulating of the research problem B. Survey of the literature C. Develop a working hypothesis D. Analyze the data. Choose the most appropriate answer from the options given below: 1. A, B, C and D 2. A, B and C only 3. C and D only 4. A and D only A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

34	989034		4.0	0.00
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		Which of the following can be regarded as an example of a 'Qualitative' research? A. Identifying the causal pathogen for rice 'stem borer' disease in India. B. Estimating the area of land under basmati rice cultivation in the year 2023. C. Identifying the Covid 19 virus strain/s infecting people in Delhi. D. Identifying the most prevalent Covid 19 virus strain infecting people in Delhi. Choose the most appropriate answer from the options given below: 1. A and B only 2. A and C only 3. C and D only 4. B and D only A1 : 1 A2 : 2 A3 : 3 A4 : 4		
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Objective Question

35	989035	'Experimental error' can be defined as the: 1. impact of 'independent variable' on the value of dependent variable 2. impact of 'dependent variable' on the value of independent variable 3. impact of 'extraneous variable' on the value of dependent variable 4. value of 'extraneous variable' A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

36	989036	Which of the following traits can be regarded as an example of 'continuous variable'? 1. Basic Metabolic Rate (BMR) 2. RBC count 3. Number of patients infected with Nepha virus 4. WBC count A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

37	989037	In a research project designed to estimate the impact of rainfall on wheat production, which of the following can be considered as an 'Extraneous' variable? 1. Amount of rainfall 2. Weight of wheat grains 3. Accuracy of the weighing balance 4. Level of soil moisture in the wheat field A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

38	989038	In order to understand the prevalence of Covid 19 virus infection in different states of India, 100 samples were collected from each of the different states of India. This type of sampling can be defined as: 1. Stratified sampling 2. Simple random sampling 3. Systematic sampling 4. Convenience sampling A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

39	989039	'Sampling Error' can be defined as: 1. a wrong data recording 2. a wrong interpretation of the data 3. the difference between the value of 'Population mean' and the 'Sample mean' 4. an instrumental error A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

40	989040		4.0	0.00
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		Which one of the following data collection exercises would require an 'Informed consent' ? 1. Collection of blood samples from HIV patients 2. Estimation of rice crop yield in different villages of Punjab 3. Estimating the number of passengers travelling/week in Delhi metro 4. Estimating the number of non-Delhi passengers travelling/week in Delhi metro A1 : 1 A2 : 2 A3 : 3 A4 : 4		
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Objective Question

41	989041	Which of the following CANNOT be patented? 1. A new technology for sequencing human genome 2. A naturally occurring basmati rice variety 3. A precision breeding technology 4. Plant imaging technology A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

42	989042	Contents compiled as a research article in a scientific journal is protected by: 1. Patent rights 2. Copyright 3. 'Trademark' rights 4. 'Design' rights A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

43	989043		4.0	0.00
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		Indian patent laws operate under: 1. 'First to modify' principle 2. 'First to discover' principle 3. 'First to invent' principle 4. 'First to file' principle A1 : 1 A2 : 2 A3 : 3 A4 : 4		
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Objective Question

44	989044	At global level, which one of the following research methodologies is being applied to both human and agricultural sciences? 1. Machine learning 2. Cancer research 3. Breeding 4. Hybrid development A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

45	989045	The traditional knowledge of utilization of natural plant based products for human health is protected under: 1. Protection of plant variety and farmer's right 2. Indian copyright law 3. National Biodiversity Act 4. Indian trademark law A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

46	989046		4.0	0.00
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		Use of which one of the following research methodologies is rapidly increasing in the last few years in India? 1. Genome sequencing of various crop plant varieties 2. Estimation of crop yields 3. Impact of floods on crop yield 4. Impact of drought on crop yield A1 : 1 A2 : 2 A3 : 3 A4 : 4		
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Objective Question

47	989047	Which one of the following is a primary source of genome sequence datasets? 1. UniProtKB 2. GenBank 3. SwissProt 4. Protein Data Bank A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

48	989048	A good research design must include details: A. about how the data would be collected B. availability of funds C. availability of relevant skills D. objective Choose the most appropriate answer from the options given below: 1. A and D only 2. A, C and D only 3. B only 4. A, B, C and D A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

49	989049	Ideally a 'research problem' should : - be financially viable - address a novel phenomenon - should be socially relevant - have been extensively worked upon by predecessors. Choose the most appropriate answer from the options given below: - A and B only - A, B and C only - A and D only - B, C and D only A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

50	989050	Which one of the following research methods (technique) is being widely used to detect infection of Covid19 virus? - RT-Polymerase Chain Reaction - Polymerase Chain Reaction - Flow cytometry - X-ray A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

51	989051	What is the type of complex Tolnaftate forms with iodine? - Inclusion complex - Charge transfer complex - Channel complex - Clathrates A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question				
52	989052	Film balance can be used for determination of _____ of fatty acid molecule. 1. Length and cross sectional area of Molecule 2. Refractive index of molecule 3. Heat capacity of molecule 4. Specific heat of molecule A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00

Objective Question				
53	989053	Choose correct statement in regards to the coarse dispersion stability 1. Hydrophobic colloids acts as protective colloids 2. Addition of xenthan gum increases the sedimentation volume of sulfaguanidine 3. Gelatin carries a negative charge 4. Monobasic potassium phosphate is a cationic electrolyte used for flocculation A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00

Objective Question				
54	989054	Oxymels refers to 1. Preparation containing Volatile oils 2. Preparation containing oxygenated extracts of plant 3. Preparations in which vehicle is acid and honey 4. Soft solid preparation for oral use A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00

Objective Question				
55	989055		4.0	0.00

		Which of the following is not an emulsifying agent		
		1. Saponins 2. Sarbitan esters 3. Magnesium hydroxide 4. Magnesium acetate		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

56	989056	Which of the following is not a rationale for granulating a powder in tablets?	4.0	0.00
		1. Increases the bulk density of powder 2. Improves the flowability of powder 3. Minimizes the compactability of powder 4. Reduces the segregation by mixing fine particles		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

57	989057	Colonic delivery of drug can be achieved using _____	4.0	0.00
		1. Micronizing the drugs 2. pH responsive polymers 3. Use of cyclodextrin 4. Making aquasomes using tween-80		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

58	989058		4.0	0.00
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		Unpreserved injections should be presented as: 1. Multidose vials 2. Multidose Suspension 3. Multidose suspension for reconstitution 4. Single dose container A1 : 1 A2 : 2 A3 : 3 A4 : 4		
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Objective Question

59	989059	What is the correct order in which biopharmaceutical processes occur after administering drug? A. Absorption B. Distribution C. Liberation D. Metabolism E. Excretion Choose the correct answer from the options given below: 1. A, B, C, D, E 2. C, A, B, D, E 3. A, D, B, E, C 4. C, B, D, E, A A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

60	989060	Reduction of drug absorption rate after food intake is due to: 1. Hormonal effect 2. Drug binding with food 3. Stimulation of vagus nerve 4. Delayed gastric emptying A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question				
61	989061	Arrange the drugs in increasing order of there biological half life A. Gentamicin B. Theophyline C. Lithium D. Digoxin Choose the correct answer from the options given below: 1. A, C, D, B 2. A, B, C, D 3. C, A, D, B 4. D, A, C, B A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
Objective Question				
62	989062	Choose the models used for prediction of drug absorption A. Cell culture B. In situ studies C. In silico D. Excised tissue E. USP basket method Choose the most appropriate answer from the options given below: 1. A, B, C and D only 2. A, B, D and E only 3. A, B, C and D only 4. B, C and E only A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
Objective Question				
63	989063		4.0	0.00

Select the best option having drugs exhibiting improved absorption upon reduction in particle size-

- A. Danazol
- B. Naproxen
- C. Nitrofurantoin
- D. Phenacetin
- E. Fenofibrate

Choose the most appropriate answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

64 989064

Match List I with List II

LIST I		LIST II	
A.	HIV protease inhibitors	I.	Model parameter for prediction of absorption
B.	ClogP	II.	Poorly soluble
C.	Erythromycin stearate	III.	Passes through stomach undissolved
D.	Charcoal	IV.	Reduces absorption of promethazine

Choose the correct answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

65 989065

Match List I with List II for their thermal conductivity

LIST I		LIST II	
A.	Copper	I.	379
B.	Aluminium	II.	242
C.	Steel	III.	43
D.	Borosilicate glass	IV.	1

Choose the correct answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

66 989066

Match List I with List II

LIST I		LIST II	
A.	Plugging	I.	Metafilter
B.	Straining	II.	Filter leaf
C.	Sweet land filter	III.	Mechanism similar to sieving
D.	Edge filter	IV.	Increase in cake resistance

Choose the correct answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

67 989067

		Which Name reaction is attributed to following chemical conversion? 2 moles (m-chlorobenzaldehyde) in presence of 50% Potassium hydroxide $\rightarrow$ m- chlorobenzoate ion + m-chlorobenzyl alcohol 1. Cannizzaro reaction 2. Cross Cannizzaro reaction 3. Wittig reaction 4. Tollen's reaction A1 : 1 A2 : 2 A3 : 3 A4 : 4		
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Objective Question

68	989068	What will be the reaction product in following reaction? Furan + Acetic anhydride (at 0°C) $\rightarrow$? 1. 2 acetyl furan 2. 3 acetyl furan 3. 2,3 diacetyl furan 4. 2, 4 diacetyl furan A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

69	989069	What will be the final products of following reaction? Potassium phthalimide + Ethyl chloroacetate $\rightarrow$ Product 1 + Hydrochloric acid and Water $\rightarrow$? + ? 1. Glycine hydrochloride + phthalic acid 2. Glycine + phthalic acid 3. Glycine hydrochloride + phthaloyl alcohol 4. Phthaloyl glycine hydrochloride A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

70	989070	The critical point of water system is at 1. 0.00098°C, 4.58 mm of Hg 2. 0.0098°C, 4.58 cm of Hg 3. 0.098°C, 45.8 mm of Hg 4. 0.0098°C, 4.58 mm of Hg A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

71	989071	What is the correct form of Clapeyron equation? 1. $dP/dT = \Delta H_v^* T / \Delta V$ 2. $dP/dT = \Delta H_v / (T \Delta V)$ 3. $dP/dT = \Delta H_v / (\Delta T^* V)$ 4. $dP/dT = \Delta H_v / (T \Delta V)$ A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

72	989072	Benoxinate, an amino ester local anesthetics with pKa value 1. 9.0 2. 2.8 3. 8.4 4. 7.9 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

73	989073		4.0	0.00
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		Replacement of the carboxy group in Indomethacin with other acidic functionalities _____ 1. Decreases activity 2. Increases Activity 3. Decreases renal toxicity 4. Increases liver toxicity A1 : 1 A2 : 2 A3 : 3 A4 : 4		
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Objective Question

74	989074	Arrange following Tetracyclines according to its Octanol/Water partition (Decreasing order) A. Minocycline B. Oxytetracycline C. Doxycycline D. Chlortetracycline Choose the correct answer from the options given below: 1. A, C, D, B 2. A, D, C, B 3. B, A, D, C 4. A, B, C, D A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

75	989075	Sequence of events in excitation-contraction coupling in cardiac muscle A. Actin + Myosin interaction B. Release of Calcium from sarcoplasmic reticulum C. Muscle contraction D. Troponin C Ca^{2+} Complex Choose the correct answer from the options given below: 1. A, B, C, D 2. B, D, A, C 3. D, A, B, C 4. B, A, D, C A1 : 1 A2 : 2	4.0	0.00
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A3 : 3

A4 : 4

Objective Question

76	989076	Metabolites of olanzapine are A. 4-hydroxymethyl metabolite B. N-oxide metabolite C. N-glucuronide conjugate D. N-hydroxymethyl metabolite Choose the most appropriate answer from the options given below: 1. A and B only 2. B and C only 3. A, C and D only 4. A and D only A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

77	989077	Which of the following statements are correct for UV Vis Spectroscopy? A. $\pi \rightarrow \pi^*$ transition of conjugated dienes and enones can be distinguished by changing solvent polarity B. Enones undergoes bathochromic shifts generally accomplished by increased intensity as solvent polarity is increased C. $\pi \rightarrow \pi^*$ transition of conjugated dienes and enones can not be distinguished by changing solvent polarity D. Enones undergoes bathochromic shifts generally accomplished by increased decreased as solvent polarity is increased E. $n \rightarrow \pi^*$ transition of acetone is decreased from 279 in hexane to 264 in ethanol. Choose the most appropriate answer from the options given below: 1. B, C and E only 2. A, B and E only 3. A, C and E only 4. B, D and E only A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

78	989078		4.0	0.00
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In context to efficiency of chromatographic column, Match List I with List II for terms in expression

LIST I		LIST II	
A.	Multiple flow path	I.	A
B.	Longitudinal diffusion	II.	B/u
C.	Mass transfer to and from stationary phase	III.	$C_s u$
D.	Mass transfer in mobile phase	IV.	$C_m u$

Choose the correct answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

79 989079

In relation to Mass spectrometry, Match List I with List II

LIST I (Ionization type)		LIST II (Ionizing agent)	
A.	Electron impact (EI)	I.	Energetic electron
B.	Chemical ionization (CI)	II.	Reagent gaseous ionization
C.	Field desorption (FD)	III.	High potential electrode
D.	Plasma desorption (PD)	IV.	Fission fragment from ^{252}Cf

Choose the correct answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

80 989080

Which of the following histological feature is not seen in ulcerative colitis?

1. Cryptitis
2. Crypt distortion
3. Granulomatous reaction
4. Mucodepletion

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

81

989081

Match Hormone and Disease

4.0

0.00

Hormone		Disease	
A.	Antidiuretic	I.	Gestational Diabetes
B.	Growth	II.	Diabetes Insipidus
C.	Insulin	III.	Acromegaly
D.	Glucocorticoids	IV.	Cushing's Syndrome

Choose the correct answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

82	989082	_____ drug used in peptic ulcer, inhibit the enzyme cytochrome P450 1. Cimetidine 2. Nizatidine 3. Roxatidine 4. Pantoprazole A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

83	989083	_____ is example of Chimerized antibody 1. Rituximab 2. Tocilizumab 3. Basiliximab 4. Bevacizumab	4.0	0.00
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		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

84	989084	Which of the following is an example of antidepressant drug with cardiac arrhythmia adverse effect?	4.0	0.00
		1. Clomipramine 2. Sertraline 3. Citalopram 4. Bupropion		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

85	989085	_____ is phosphodiesterase inhibitor, used in the treatment of bronchial asthma	4.0	0.00
		1. Milrinone 2. Roflumilast 3. Sildenafil 4. Bitolterol		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

86	989086	Which is the correct order of processes in β -oxidation of fatty acids?	4.0	0.00
		A. Acyl-CoA to Enoyl-CoA B. 3-ketoacyl-CoA to Acetyl CoA C. Enoyl-CoA to Hydroxy-acyl-CoA D. Fatty acid to Acyl-CoA		
		Choose the correct answer from the options given below:		
		1. A, B, C, D 2. D, A, C, B 3. A, C, B, D 4. D, B, C, A		

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

Objective Question

87	989087	Give correct order of hypertension management A. Start of antihypertensive medicine B. Life style modification C. Blood pressure Modification D. Dose adjustment Choose the correct answer from the options given below: 1. B, A, C, D 2. A, B, C, D 3. D, A, C, B 4. D, C, A, B A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

88	989088	Which options are true about PGI2 effects? A. Vasoconstriction B. Bronchodilatation C. Platelet aggregation D. Inhibited by prostacyclin synthase Choose the most appropriate answer from the options given below: 1. A, B and C only 2. B and C Only 3. A and D only 4. C and A only A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

89	989089		4.0	0.00
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Select correct properties of aminoglycosides

- A. They are mainly active against aerobic gram-negative bacilli
- B. They are not active against anaerobic microorganism
- C. They are effective against salmonella
- D. Streptomycin has highest spectrum as compared to other aminoglycosides

Choose the most appropriate answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

90 989090

In context with Classification of antifungal agents. Match Agent with Mechanism of action

4.0

0.00

Name of agent		Mechanism of action	
A.	Capsufungin	I.	Inhibition of nucleic acid synthesis
B.	Nystatin	II.	Inhibition of 14- α -lanosterol demethylase
C.	Voriconazole	III.	Increasing cell membrane permeability
D.	5-Flucytosine	IV.	inhibition cell wall synthesis

Choose the correct answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

91 989091

Choose the class of Senna Glycoside from the following options.

4.0

0.00

- 1. Cardiac
- 2. Cynogenetic
- 3. Anthracene
- 4. Saponin

A1 : 1

A2 : 2

		A3 : 3		
		A4 : 4		

Objective Question

92	989092	Alcoholic extract of ALOE under UV light shows 1. blue 2. red 3. deep brown 4. pink A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

93	989093	Why is the aqueous solution of aloe in Modified Borntrager test is treated with ferric chloride and HCL? 1. To bring out oxidation and hydrolysis of aloe emodin. 2. To bring out reduction of aloe emodin. 3. To bring out photoreduction of aloe emodin. 4. To convert into emodin. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

94	989094	Dragendroff's reagent contains 1. Iodine + KI water 2. KI + Bismuth Iodide in water 3. Iodine in water 4. Mercuric chloride + KI in water A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question				
95	989095	Arrange the Appendices prescribed under Drug and Cosmetics Act A. Animal toxicity requirements for clinical trials and marketing of a new drugs B. Patient Consent Form for participation in a Phase I Clinical Trial C. Format for submission of clinical trial reports D. Number of animals for long term toxicity studies Choose the correct answer from the options given below: 1. B, C, A, D 2. C, D, B, A 3. A, D, B, C 4. C, A, D, B A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00

Objective Question				
96	989096	Which of the following Act is common for all industries including pharmaceutical industries? A. The Consumer Protection Act. B. Drug and Cosmetic Act. C. The Objectionable Advertisement and Magic Remedies Act. D. The Patents Act Choose the most appropriate answer from the options given below: 1. B and C only 2. A only 3. D only 4. A, B and C only A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00

Objective Question				
97	989097		4.0	0.00

		The most commonly used interleukin belongs to cytokine family, for the treatment of renal cell cancers is A. Alpha-interferon B. Beta-interferon C. Interferon-2 D. Cytokine Choose the most appropriate answer from the options given below: 1. A and B only 2. D only 3. C only 4. B only A1 : 1 A2 : 2 A3 : 3 A4 : 4		
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Objective Question

98	989098	Currently marketed Antibodies used in cancers are A. Avastin B. Erbitux C. Herceptin D. Raptiva E. Xolair Choose the correct answer from the options given below: 1. A, B, C only 2. B, C, D, E 3. A, B, C, D 4. B, C, D, E A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.00
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Objective Question

99	989099		4.0	0.00
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Match List I with List II

LIST I		LIST II	
A.	Cinchona	I.	Ergometrine
B.	Opium	II.	Quinine
C.	Ergot	III.	Reserpine
D.	Rauwolfia	IV.	Morphine

Choose the correct answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

100 989100

Match List I with List II

LIST I		LIST II	
A.	Acyclic terpene	I.	Ursolic acid
B.	Pentacyclic terpene	II.	Squalene
C.	Tetra cyclic terpene	III.	Podocarpic acid
D.	Tricyclic diterpene	IV.	Lanosterol

Choose the correct answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0

0.00