

PREVIEW QUESTION BANK

Module Name : SCPH13 Geology - ENG
Exam Date : 27-Oct-2023 Batch : 09:30-12:30

Sr. No.	Client Question ID	Question Body and Alternatives	Marks	Negativ Marks
Objective Question				
1	979001	A good lab experiment report should be organized into 1. introduction, results and discussion/conclusions 2. introduction, methodology, results and discussion/conclusions 3. methodology, results, discussion and conclusions 4. methodology, results and conclusions A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.0
Objective Question				
2	979002	Which among the following is correct phrase to write in the methodology section of research paper? 1. Add one gram of NaOH 2. We added one gram of NaOH 3. One gram of NaOH was added 4. Then add one gram of NaOH A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.0
Objective Question				
3	979003	Which of the following is not a reference management tool? 1. Paperpile 2. Mendley 3. Zotero 4. Prism A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.0

Objective Question

4	979004	Which of the following is a unit to represent amount? 1. Molar 2. Mole 3. Litre 4. Atom A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.0
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Objective Question

5	979005	Which among the following is not a statistical package? 1. SPSS 2. R 3. Metlab 4. MS Excel A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.0
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Objective Question

6	979006	Among the following enzyme activities of an enzyme which one represent the most accurate and precise value 1. 12.4 ± 0.6 2. 12.1 ± 0.1 3. 12.0 ± 0.6 4. 12.2 ± 0.4 A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.0
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Objective Question

7	979007		4.0	0.0
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ENTREZ is a

1. search engine
2. database
3. tool to compare keywords
4. ontology assignment tool

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

8	979008	4.0	0.0
Which among the following is a plagiarism detection software?			
1. Turnitin 2. Grammerly 3. Quilbot 4. Mendley			
A1 : 1			
A2 : 2			
A3 : 3			
A4 : 4			

Objective Question

9	979009	4.0	0.0
Which of the following doesn't constitute plagiarism?			
1. forgetting to include a source in bibliography 2. paraphrasing without attribution 3. using someone else's work to build hypothesis 4. using someone's idea/work without giving proper credit			
A1 : 1			
A2 : 2			
A3 : 3			
A4 : 4			

Objective Question

10	979010	4.0	0.0

Describing somebody else's work by changing the words and restructuring the sentences is called as

1. paraphrasing
2. moderation
3. plagiarism
4. remodification

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

11	979011	A value that can be counted, measured or categorized is called as 1. variable 2. random sample 3. population 4. sample A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.0
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Objective Question

12	979012	Which of the following will follow binomial distribution? 1. Height of students in a class 2. Number of people in which disease is cured by taking a drug 3. Number of accidents on a road 4. Rolling a dice A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.0
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Objective Question

13	979013		4.0	0.0
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Mode is

1. Most frequently occurring term
2. value in the middle when numbers have been listed in a rank order
3. value in the middle when numbers have been listed in ascending order only
4. value in the middle when numbers have been listed in descending order only

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

14	979014	Protein estimation using a standard curve is an example of 1. regression analysis 2. correlation analysis 3. cause and effect assertion 4. precision and accuracy A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.0
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Objective Question

15	979015	What are the condition in which Type-1 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 and alternative hypothesis are rejected 4. Both the null and alternative hypothesis are accepted A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.0
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Objective Question

16	979016		4.0	0.0
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Which among the following can't be used to find related work of a research paper?

1. references mentioned in the paper
2. papers that have been cited the research paper
3. by H-index of authors
4. using MeSH term

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

17 979017

Online journals are considered better than the print only journals because

1. most online journals are open access
2. online journals are easy to access
3. content of online journals can be searched more easily
4. low cost of publication

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 0.0

Objective Question

18 979018

What is the difference between a barplot and histogram?

1. Barplot is for catagorical data while histogram is for continuous data
2. Barplot is for continuous data while histogram is for catagorical data
3. Barplot is for continuous data while histogram is for discrete data
4. Barplot is for catagorical data while histogram is for discrete data

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 0.0

Objective Question

19 979019

4.0 0.0

Which of the following option is wrong in context of the following statement?

To reject the null hypothesis at 95% confidence limit the calculated probability that the two samples belong to the same population must fall below

1. 1 in 20
2. 5%
3. $p < 0.05$
4. $p < 0.5$

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

20	979020	Which of the following is not a part of research	4.0	0.0
1. Defining and redefining problem 2. Hypothesis formulation 3. Making deduction 4. Writing report				
A1 : 1				
A2 : 2				
A3 : 3				
A4 : 4				

Objective Question

21	979021	Which among the following is FALSE in context of qualitative research?	4.0	0.0
1. It is highly replicable 2. The outcome is based on subjective experiences 3. The conclusion is difficult to generalize in a large population 4. The outcome is prone to misrepresentation				
A1 : 1				
A2 : 2				
A3 : 3				
A4 : 4				

Objective Question

22	979022		4.0	0.0
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Development of COVAXIN (covid vaccine) is an example of

1. Exploratory research
2. Experimental research
3. Applied research
4. Qualitative research

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

23 979023

4.0 0.0

Experiments on which of the following doesn't require ethical approval

1. Human
2. All vertebrate Animals
3. Bacteria
4. Monkeys

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

24 979024

4.0 0.0

Which of the following doesn't require literature review?

1. Title
2. Introduction
3. Discussion
4. Conclusion

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

25 979025

4.0 0.0

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

26 979026

4.0 0.0

- (A). The main purpose of descriptive research is to report the state of affair as it exists today.
- (B). The main purpose of analytical research is to use facts or information already available and analyze them to make critical evaluation of the situation.
- (C). Conceptual research is data-based research, whose conclusion can be verified by experimentation.
- (D). Emperical research is data-based research, whose conclusion can be verified by experimentation.

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

27 979027

4.0 0.0

- (A). In random sampling each item has equal chance of being selected.
- (B). In systematic sampling each n th item is selected.
- (C). Cluster sampling involves grouping the data into cluster and selecting an individual from the cluster
- (D). Stratified sampling is used for homogenous data.

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

28 979028

4.0 0.0

(A). When a sample is exposed to usual condition, it is called as control group.

(B). When a sample is exposed to some treatment, it is called as experimental group

(C). The main purpose of exploratory research is to formulate a problem for more precise investigation.

(D). The main purpose of experimental research is to check the validity of a hypothesis.

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

1. (A), (B) and (C) only.

2. (A), (B) and (D) only.

3. (A), (B), (C) and (D).

4. (B), (C) and (D) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

29 979029

4.0 0.0

(A). Number mentioned at the jersey of football player is an example of nominal scale

(B). Nominal scale is random.

(C). In the nominal scale no relationship can be derived among the items.

(D). Ranking of students on the basis of marks obtained by them is an example of ordinal scale.

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

30 979030

4.0 0.0

- (A). The data that we want to ideally analyze is called as population.
- (B). The data on which we work and assume it to be a representative of the complete data is called as sample.
- (C). The larger is the sample size greater is the variability
- (D). All samples must have identical mean, median and mode.
- Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

31 979031

4.0 0.0

- (A). A frequency distribution is said to be positively skewed if the frequency curve has a longer tail towards the higher values.
- (B). A frequency distribution is said to be negatively skewed if the frequency curve has a longer tail towards the lower values.
- (C). For positively skewed distribution Mean>median>mode
- (D). Negatively skewed distribution has no effect
- Choose the **correct** answer from the options given below:

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

32 979032

4.0 0.0

- (A). Information collected for the first time is called as primary data.
- (B). Information that is already available is called as secondary data.
- (C). Observation, interview, questionnaire and feedback forms are tools to collect primary data.
- (D). Observation, interview, questionnaire and feedback forms are tools to collect secondary data.

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

33 979033

4.0 0.0

Match List-I with List-II

List-I	List-II
Process	Meaning
(A). Processing of data	(I). Simplification of recording answers
(B). Editing	(II). Grouping the data on the basis of some common characteristics
(C). Coding	(III). Accuracy, completeness, uniformity and consistency of gathered information is examined
(D). Classification	(IV). Process to eliminate any error or mistake

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

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

34 979034

4.0 0.0

Match List-I with List-II

List-I	List-II
Type	Attribute
(A). Linear correlation	(I). relationship between three or more variables are determined
(B). Multiple correlation	(II). relationship between two variables
(C). Correlation coefficient	(III). Strength of association
(D). Scatter diagram	(IV). change in one variable is equal to the change in another variable

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

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

Objective Question

35 979035

4.0 0.0

Match List-I with List-II

Type of test	Used for
(A). Z-test	(I). Comparison of variance of two independent samples
(B). T-test	(II). Significance for mean
(C). Chi-square	(III). Significance of difference between the means of two samples
(D). F-test	(IV). Comparison of sample variance to a theoretical population variance

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

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

Objective Question

36 979036

4.0 0.0

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

List-I	List-II
Type of plagiarism	Definition
(A). Mosaic Plagiarism	(I). the writer tacks on a new opening part of the first sentence in the hope that the reader won't notice that the rest of the paragraph is simply copied from the source.
(B). Paraphrase	(II). verbatim copying of sentence(s)
(C). Word-for-Word	(III). phrases and terms are lifted from the source and sprinkled in among your own prose
(D). Exact	(IV) substituting your own words and sentences for those of the original

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

- (A) - (III), (B) - (IV), (C) - (I), (D) - (II)
- (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
- (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
- (A) - (III), (B) - (II), (C) - (I), (D) - (IV)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

37 979037

4.0 0.0

Match List-I with List-II

List-I	List-II
Type of intellectual property right	Description
(A). patent	(I). Ornamental or aesthetic aspect of a useful article, which must appeal to the sense of sight and may consist of the shape and/or pattern and/or colour of article.
(B). trade mark	(II). Right given by the law to creators of literary, dramatic, musical and artistic works and producers of cinematograph films and sound recordings.
(C). Copyright	(III). Visual symbol/word that indicate the source of the goods, a signature, name, device, label, numerals, or combination of colours used, or services, or other articles of commerce to distinguish it from other similar goods or services originating from another
(D). Industrial design	(IV). scientific inventions having potential for industrial application are being protected

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

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

Objective Question

38 979038

- (A). Patenting is done to keep the invention secret
- (B). Patent is supposed to promote research
- (C). Only a very few patents can make money
- (D). Each country has their own patent rule

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 0.0

Objective Question

39	979039		4.0	0.0
Arrange the steps in order (A). Grant of patent (B). Registration of patent application (C). Filing a patent (D). Patent search process Choose the correct answer from the options given below: 1. (C), (D), (B), (A). 2. (A), (B), (C), (D). 3. (B), (A), (D), (C). 4. (C), (B), (D), (A). A1 : 1 A2 : 2 A3 : 3 A4 : 4				

Objective Question

40	979040		4.0	0.0
(A). Impact factor of a journal for year x of a journal = A/B. A = number of times articles published in years $x - 1$ and $x - 2$ were cited by indexed journals in year x. B = total number of 'citable items' published by that journal in years $x - 1$ and $x - 2$. (B). An individual has H-index h if h of N papers have at least h citations each, and remaining $(N - h)$ papers have less than h citations each. (C). G-index: Given a set of articles ranked in decreasing order of the number of citations that they received, the G-index is the (unique) largest number g such that the top g articles together received at least g^2 citations (D). An individual has H-index h if $(N - h)$ papers have at least h citations each, and the remaining h of N papers have less than h citations each. 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

41	979041		4.0	0.0
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Which of the following are methods of Dissemination of Research findings?

- A. Research Paper publishing
- B. Poster presentation in a conference
- C. Discussion among family/friends
- D. Oral presentation in Conference

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

42 979042

4.0 0.0

Arrange the following in increasing order.

- (A). micro Litre
- (B). milli Litre
- (C). Litre
- (D). Nano Litre

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

43 979043

4.0 0.0

Which of the following are part of the current trend termed a Onehealth approach?

- (A). human diseases
- (B). environmental health
- (C). veterinary health
- (D). antibiotic resistance

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

44 979044 4.0 0.0

Which of the following is NOT part of Bibliography?

- (A). Footnotes
- (B). Personal communication
- (C). References
- (D). Webpage

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

45 979045 4.0 0.0

Which of the following institutions is NOT involved in formulating guidelines related to human/animal ethics and Biosafety?

- (A). CSIR (Council of Scientific and Industrial Research)
- (B). DBT (Department of Biotechnology)
- (C). ICMR (Indian Council of Medical Research)
- (D). ICSSR (Indian Council of Social Science Research)

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

46 979046

4.0 0.0

The main functions of Data Analysis are:

- (A). Researcher can analyse data for thinking about the problem
- (B). Researcher study the original records of data before analysis
- (C). Researcher analyze available data for examining statement of problem
- (D). Researcher can not explore new facts about problem

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

47 979047

4.0 0.0

Which among the following countries have been successful in sending probe to the South pole of the moon?

- (A). America
- (B). France
- (C). Russia
- (D). India

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

48	979048	STEM cell research holds great potential to cure degenerative diseases. Which of the following sources can be used as a source of STEM cells for an individual? (A). Placenta (B). Milk tooth pulp (C). Nails (D). Hair Choose the correct answer from the options given below: 1. (A) and (B). 2. (A), (B) and (D) only. 3. (A), (B) and (C) only. 4. (B), (C) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.0
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Objective Question

49	979049		4.0	0.0
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A reseracher received a paper for review, which he rejected citing lack of experimenal clarity. He however submitted the same data for publication under his own name. This will be considered an act of

- (A). Plagiarism
- (B). Data Fabrication
- (C). Ethical misconduct
- (D). Data Falsification

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

1. (C) only.
2. (A) 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

50	979050	Correlation coeficient was calculated for two variables in an experiment. Which of the following can be a valid value? (A). -1 (B). + 1 (C). + 2.5 (D). - 2.5 Choose the correct answer from the options given below: 1. (A) and (B) only. 2. (A) and (D) only. 3. (A), (B), (C) and (D). 4. (B) and (C) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.0
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Objective Question

51	979051		4.0	0.0
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The chemical change that causes transformation of feldspar into clay is:

1. Dissolution
2. Hydrolysis
3. Hydration
4. Oxidation

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

52 979052

4.0 0.0

The distributaries in a fluvial system develop:

1. Near estuaries
2. At mountain front only
3. At alluvial fan and delta
4. Delta only

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

53 979053

4.0 0.0

Stress tensor for a geological system is:

1. A matrix of 9 stress types
2. Tensional forces that pull apart the rock body
3. Torsional forces that rotate the rock body
4. Shear stress acting parallel to body edges

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

54 979054

4.0 0.0

If σ_1 , σ_2 and σ_3 represent maximum, intermediate and minimum principal stresses respectively, the thrust faults will form when

1. σ_1 is vertical, σ_2 and σ_3 are horizontal
2. σ_2 is vertical, σ_1 and σ_3 are horizontal
3. σ_3 is vertical, σ_1 and σ_2 are horizontal
4. σ_1 and σ_2 are vertical, σ_3 is horizontal

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

55 979055 4.0 0.0

The change from elastic to plastic deformation is characterized by

1. Yield strength
2. Fundamental strength
3. Ultimate strength
4. Compressive strength

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

56 979056 4.0 0.0

The Main Central Thrust in the Himalaya separates

1. Siwalik from Indo-Gangetic Plain
2. Siwalik from Lesser Himalaya
3. Lesser Himalaya from Higher Himalaya
4. Higher Himalaya from Tethys Himalaya

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

57 979057 4.0 0.0

Which one of the following rocks shows ophitic texture?

1. Rhyolite
2. Dolerite
3. Granodiorite
4. Picrite

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

58 979058

Which of the following sedimentary structures cannot be used for determination of top of the beds?

1. Rain print
2. Ripple marks
3. Planar cross bedding
4. Mud cracks

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 0.0

Objective Question

59 979059

A clastic sedimentary rock containing quartz and more than 25% feldspar grains is:

1. Greywacke
2. Arkose
3. Mudstone
4. Quartz arenite

A1 : 1

A2 : 2

A3 : 3

A4 : 4

4.0 0.0

Objective Question

60 979060

4.0 0.0

The paired metamorphic belt is found near:

1. Continental volcanoes
2. Divergent plate boundary
3. Convergent plate boundary
4. Transform fault plate boundary

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

61	979061	Which one of the following is not an Index Mineral of Barrovian metamorphism?	4.0	0.0
		1. Garnet 2. Kyanite 3. Sillimanite 4. Andalusite		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

62	979062	Which one of the following is an example of felsic volcanism?	4.0	0.0
		1. Deccan Lava 2. Rajmahal Lava 3. Sylhet Lava 4. Malani Lava		
		A1 : 1		
		A2 : 2		
		A3 : 3		
		A4 : 4		

Objective Question

63	979063		4.0	0.0

Which one of the following is the oldest sequence of Western Dharwar Craton (WDC)?

1. Warangal Group
2. Sargur Group
3. Salem Group
4. Semri Group

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

64 979064 4.0 0.0

The age of the Mewar Gneiss is

1. Archean
2. Mesoproterozoic
3. Paleoproterozoic
4. Cenozoic

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

65 979065 4.0 0.0

Which of the following is the oldest Formation of Siwaliks?

1. Dhokpathan
2. Nagri
3. Kamlial
4. Tatrot

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

66 979066 4.0 0.0

		What is the age of the Bhuj Formation? 1. Oxfordian 2. Neocomian-Albian 3. Callovian 4. Kimmeridgian-Tithonian A1 : 1 A2 : 2 A3 : 3 A4 : 4		
Objective Question				
67	979067	Polymetallic nodules are found in the ocean at 1. Mid-Oceanic Ridge 2. Continental Shelf 3. Abyssal Plain 4. Hydrothermal Vent Field A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.0
Objective Question				
68	979068	The composition of radiolarian ooze is pre-dominantly 1. Calcareous 2. Ferruginous 3. Silicious 4. Aragonitic A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.0
Objective Question				
69	979069		4.0	0.0

The orbital altitude of remote sensing satellites is around:

1. 600 km
2. 1700 km
3. 28000 km
4. 36000 km

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

70 979070 4.0 0.0

In a standard FCC involving NIR band data, the clear water body will appear as:

1. Blue
2. Green
3. Black
4. White

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

71 979071 4.0 0.0

The deepest focus earthquakes are usually associated with

1. Mid-Oceanic Ridge
2. Benioff Zone
3. Continent-Continent Collision
4. Continental Rift Zone

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

72 979072 4.0 0.0

Where is magnesite deposit located?

1. Badampahar
2. Almora
3. Banda
4. Lohardagga

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

73	979073	Pentlandite is a 1. Cobalt ore 2. Nickel ore 3. Platinum ore 4. Manganese ore A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.0
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Objective Question

74	979074	The correct sequence of increasing grade of coal is 1. Lignite - Peat - Bituminous - Anthracite 2. Peat - Bituminous - Anthracite - Lignite 3. Bituminous - Lignite - Peat - Anthracite 4. Peat - Lignite - Bituminous - Anthracite A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.0
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Objective Question

75	979075		4.0	0.0
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The petroleum reserve located in the Arabian Sea is

1. Rudra Sagar Oil Field
2. Jaisalmer Oil Field
3. Digboi Oil Field
4. Bombay High Oil Field

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

76 979076

Match **List-I** with **List-II** (σ_1 , σ_2 , σ_3 and σ_m are maximum, intermediate, minimum and mean principal stresses respectively)

List-I	List-II
(Stress type)	(Stress entity)
(A). Differential	(I). $\sigma_1 > \sigma_2 = \sigma_3 = 0$
(B). Uniaxial	(II). $\sigma_1 > \sigma_2 > \sigma_3 = 0$
(C). Biaxial	(III). $\sigma_1 - \sigma_m$
(D). Deviatoric	(IV). $\sigma_1 - \sigma_3$

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

1. (A) - (IV), (B) - (I), (C) - (II), (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

Objective Question

77 979077

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

List-I	List-II
(Sedimentary Processes)	(Characteristics)
(A). Saltation	(I). Grinding or rasping away of channel beds and walls
(B). Scouring	(II). Lowering of the land by wind
(C). Abrasion	(III). Removal of loose fragments of sediments from stream beds
(D). Deflation	(IV). Underwater movement of grains by bouncing along their substrate

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

- (A) - (II), (B) - (I), (C) - (IV), (D) - (III)
- (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
- (A) - (IV), (B) - (III), (C) - (I), (D) - (II)
- (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

78 979078

4.0 0.0

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

List-I	List-II
(Features/Phenomenon)	(Characteristics)
(A). Creep	(I). Slurry of ash and water on flanks of volcano
(B). Avalanche	(II). Sloping apron of fallen rocks
(C). Talus	(III). Rapid downslope movement of mass of snow
(D). Lahar	(IV). Gradual downslope movement of regolith

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

- (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
- (A) - (IV), (B) - (III), (C) - (II), (D) - (I)
- (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
- (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

79 979079

4.0 0.0

Match List-I with List-II

List-I	List-II
(Features/Phenomenon)	(Characteristics)
(A). Watershed	(I). The water that flows on the surface of the Earth
(B). Drainage divide	(II). A film of water that covers the ground surface during heavy rain
(C). Run-off	(III). The region that collects the water for a drainage network
(D). Sheetwash	(IV). A highland or ridge that separates the adjacent drainage basins

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

- (A) - (III), (B) - (IV), (C) - (I), (D) - (II)
- (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
- (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
- (A) - (III), (B) - (IV), (C) - (II), (D) - (I)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

80 979080

4.0 0.0

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

List-I	List-II
(Physical weathering processes)	(Characteristics)
(A). Frost wedging	(I). Heating and cooling effects to break off the rock
(B). Salt wedging	(II). Pressure on surrounding rock by growth of vegetation
(C). Root wedging	(III). Formation of crystals by precipitation from groundwater
(D). Thermal expansion	(IV). Rock cracking due to freezing of water in joints

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

81 979081

4.0 0.0

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

List-I	List-II
(GNSS)	(Country)
(A). NAVSTAR	(I). India
(B). NAVIC	(II). European Union
(C). GLONASS	(III). USA
(D). GALILEO	(IV). Russia

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

1. (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
2. (A) - (III), (B) - (I), (C) - (IV), (D) - (II)
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 979082

4.0 0.0

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

List-I	List-II
(Soil types)	(Characteristics)
(A). Andisol	(I). Soft, black and rich in nutrients. Forms in subhumid to subarid grasslands
(B). Entisol	(II). Acidic, low in plant nutrients, ashy. Has accumulations of iron and aluminum. Forms in humid forests
(C). Mollisol	(III). Has no horizons. Formed very recently
(D). Spodosol	(IV). Forms in volcanic ash.

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

- (A) - (IV), (B) - (III), (C) - (I), (D) - (II)
- (A) - (I), (B) - (II), (C) - (III), (D) - (IV)
- (A) - (I), (B) - (II), (C) - (IV), (D) - (III)
- (A) - (III), (B) - (IV), (C) - (I), (D) - (II)

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

83 979083

4.0 0.0

Match List-I with List-II

List-I	List-II
(Memebr of Garnet Group)	(Compositional characteristics)
(A). Almandine	(I). Mn-garnet
(B). Pyrope	(II). Ca-garnet
(C). Grossular	(III). Fe-garnet
(D). Spessartine	(IV). Mg-garnet

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

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

84 979084

Arrange the follwing radioactive isotopes in their increasing order of half life

- (A). ^{40}K
 (B). ^{147}Sm
 (C). ^{238}U
 (D). ^{14}C

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

85 979085

Arrange the following in correct stratigraphic sequence (older to younger)

- (A). Nallamalai Group
- (B). Chitravati Group
- (C). Papaghni Group
- (D). Kurnool Group

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

86	979086	The correct sequence of development of Index minerals during prograde metamorphism is (A). Garnet (B). Staurolite (C). Biotite (D). Sillimanite Choose the correct answer from the options given below: 1. (C), (A), (B), (D). 2. (A), (B), (C), (D). 3. (B), (A), (D), (C). 4. (C), (B), (D), (A).	4.0	0.0
		A1 : 1 A2 : 2 A3 : 3 A4 : 4		

Objective Question

87	979087		4.0	0.0

The correct sequence of different layers in ophiolites from top to bottom is

- (A). Layered gabbro
- (B). Harzburgite
- (C). Radiolarian chert
- (D). Pillow basalt

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

88	979088		4.0	0.0
Arrange the following features from continent towards ocean (A). Continental slope (B). Abyssal plain (C). Continental shelf (D). Oceanic ridge Choose the correct answer from the options given below: 1. (A), (C), (B), (D). 2. (A), (B), (C), (D). 3. (C), (A), (B), (D). 4. (C), (B), (D), (A). A1 : 1 A2 : 2 A3 : 3 A4 : 4				

Objective Question

89	979089		4.0	0.0

The correct sequence of landform development in a fluvial system is

- (A). Meander
- (B). Alluvial fan
- (C). V-shaped valley
- (D). Delta

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

90	979090	Arrange the correct stratigraphic sequence from older to younger in the Assam-Arakan region (A). Dihing Group (B). Barail Group (C). Tipam Group (D). Surma Group Choose the correct answer from the options given below: 1. (A), (B), (C), (D). 2. (B), (D), (C), (A). 3. (B), (A), (D), (C). 4. (C), (B), (D), (A).	4.0	0.0
		A1 : 1 A2 : 2 A3 : 3 A4 : 4		

Objective Question

91	979091		4.0	0.0

The end members of the chlorite solid solution are

- (A). Amesite
- (B). Clinocllore
- (C). Chamosite
- (D). Jarosite

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

92	979092	Which of the following groups of igneous rocks express alike system of textures (A). Phonolite - Trachyte - Rhyolite (B). Gabbro - Monzonite - Syenite (C). Granite - Basalt - Komatite (D). Basalt - Dacite - Rhyolite Choose the correct answer from the options given below: 1. (A), (B) and (D) only. 2. (A), (C) and (D) only. 3. (A), (B), (C) and (D). 4. (B), (C) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.0
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Objective Question

93	979093		4.0	0.0
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Consider the following statements about the shear zone

- (A). Shear zones are zones where strain is higher than in the surrounding
- (B). Foliation does not develop in plastic shear zone
- (C). Assymmetric structures indicate sense of shear
- (D). Ductile shear zones preserve the original continuity of passive layer

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. (A), (C) and (D) only.

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

94	979094	Which of the following depict(s) the correct sequence of groundwater zones in downward direction: (A). Vadose Zone - Capillary Fringe - Water Table (B). Capillary Fringe - Water Table - Phreatic Zone (C). Vadose Zone - Water Table - Phreatic Zone (D). Phreatic Zone - Capillary Fringe - Water Table Choose the correct answer from the options given below: 1. (A), (B) and (C) only. 2. (A), (C) and (D) only. 3. (A), (B), (C) and (D). 4. (B), (C) and (D) only. A1 : 1 A2 : 2 A3 : 3 A4 : 4	4.0	0.0
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Objective Question

95	979095		4.0	0.0
----	--------	--	-----	-----

In a porphyry copper deposit, the correct sequence of alteration zones towards ore body is

- (A). Propylitic Zone - Argillic Zone - Potassic Zone
- (B). Propylitic Zone - Phyllic Zone - Potassic Zone
- (C). Phyllic Zone - Chloritic Zone - Potassic Zone
- (D). Phyllic Zone - Argillic Zone - Potassic Zone

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

96 979096

Common traps for petroleum reservoir are associated with

- (A). Unconformity
- (B). Alluvial fans
- (C). Coral reef
- (D). Salt dome

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

97 979097

Which of the following are the constituents maceral of coal?

- (A). Clarain
- (B). Durain
- (C). Slarain
- (D). Fusain

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

98	979098	Ground-penetrating radar (GPR) uses (A). Radiowaves (B). Microwaves (C). VH Frequency (D). Electrical signals 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	4.0	0.0
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Objective Question

99	979099		4.0	0.0
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The cosmogenic nuclides used for exposure dating are

- (A). ^3H
- (B). ^{26}Al
- (C). ^{10}Be
- (D). ^{41}Ca

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4

Objective Question

100 979100

4.0 0.0

The cut-off grade criteria is applied for mining of ore body, when it has

- (A). Minimum grade of ore mineral
- (B). Highest grade of ore mineral
- (C). Profitable mining method
- (D). Economically feasible mining policy

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

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

A1 : 1

A2 : 2

A3 : 3

A4 : 4