

# Banaras Hindu University

## Notations :

- 1.Options shown in green color and with ✓ icon are correct.
- 2.Options shown in red color and with ✗ icon are incorrect.

<b>Question Paper Name :</b>	891 16th Mar 2022 Shift 3
<b>Subject Name :</b>	891
<b>Creation Date :</b>	2022-03-16 19:31:35
<b>Duration :</b>	120
<b>Total Marks :</b>	300
<b>Display Marks:</b>	Yes
<b>Share Answer Key With Delivery Engine :</b>	Yes
<b>Actual Answer Key :</b>	Yes
<b>Calculator :</b>	None
<b>Magnifying Glass Required? :</b>	No
<b>Ruler Required? :</b>	No
<b>Eraser Required? :</b>	No
<b>Scratch Pad Required? :</b>	No
<b>Rough Sketch/Notepad Required? :</b>	No
<b>Protractor Required? :</b>	No
<b>Show Watermark on Console? :</b>	Yes
<b>Highlighter :</b>	No
<b>Auto Save on Console?</b>	No
<b>Change Font Color :</b>	No
<b>Change Background Color :</b>	No
<b>Change Theme :</b>	No
<b>Help Button :</b>	No
<b>Show Reports :</b>	No
<b>Show Progress Bar :</b>	No

## RET\_Geophysics

Group Number :	1
Group Id :	593452138
Group Maximum Duration :	0
Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	300
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

## Research\_Methodology

Section Id :	593452271
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	40
Number of Questions to be attempted :	40
Section Marks :	120
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	593452299
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 59345215348 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

What is a Research Design ?

शोध अभिकल्प क्या है ?

Options :

A way of conducting research that is not grounded in theory.

1. ✘ शोध संचालन का एक तरीका, जो सिद्धांत पर आधारित न हो।

The choice between using qualitative or quantitative methods.

2. ✘ गुणात्मक या परिमाणात्मक पद्धतियों के उपयोग के मध्य चुनाव।

The style in which you present your research findings e.g. a graph.

3. ✘ वह शैली जिसमें आप अपने शोध खोजों को प्रस्तुत करते हैं; जैसे - ग्राफ।

A framework for every stage of the collection and analysis of data.

4. ✔ आँकड़ों के संकलन और विश्लेषण के प्रत्येक स्तर के लिए एक ढाँचा।

**Question Number : 2 Question Id : 59345215349 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The study design of collecting data at a particular point of time is called :

किसी विशेष समय बिन्दु पर आँकड़े संग्रहण करने वाला अध्ययन अभिकल्प कहलाता है :

Options :

Cohort study

1. ✘ सहगण अध्ययन (कोहार्ट स्टडी)

Trend study

2. ✘ प्रवृत्ति अध्ययन

Cross sectional study

3. ✔ प्रतिनिध्यात्मक (समकालीन) अध्ययन

Longitudinal study

4. ✘ अनुदैर्घ्य (दीर्घकालिक) अध्ययन

**Question Number : 3 Question Id : 59345215350 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The value of middle position in a distribution of values is called :

मूल्यों के वितरण में मध्य स्थिति का मान कहलाता है :

Options :

Mean

1. ✘ माध्य

Median

2. ✔ माध्यिका

Mode

3. ✖ बहुलक

Mid-point

4. ✖ मध्य-बिन्दु

**Question Number : 4 Question Id : 59345215351 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

In order to pursue research, which of the following is priorly required ?

शोध को आगे बढ़ाने के लिए, निम्नलिखित में से किसकी पहले आवश्यकता होती है ?

**Options :**

Develop a research design

1. ✖ शोध अभिकल्प का विकास

Formulate research questions

2. ✔ शोध प्रश्नों का निर्माण

Deciding about the data analysis procedure

3. ✖ आंकड़ा विश्लेषण प्रक्रिया के बारे में निर्णय लेना

Formulating a research hypothesis

4. ✖ शोध परिकल्पना का निर्माण करना

**Question Number : 5 Question Id : 59345215352 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Which of the following is a basis of the quality of a research journal ?

निम्नलिखित में से किसी शोध पत्रिका की गुणवत्ता का आधार कौन है ?

**Options :**

Impact factor

1. ✓ प्रभाव गुण

h-index

2. ✘ एच-इंडेक्स

g-index

3. ✘ जी-इंडेक्स

i10-index

4. ✘ i10-इंडेक्स

**Question Number : 6 Question Id : 59345215353 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

If the population is heterogeneous, which one of the following probability sampling methods will be suitable ?

यदि जनसंख्या विजातीय है, तो निम्नलिखित में से कौन-सी सम्भाव्यता प्रतिदर्श विधि अधिक उपयुक्त होगी ?

Options :

1. ✘ Sequential sampling  
क्रमानुसार प्रतिचयन
2. ✘ Quota sampling  
कोटा प्रतिचयन
3. ✘ Double sampling  
दोहरा प्रतिचयन
4. ✔ Stratified sampling  
स्तरीकृत प्रतिचयन

Question Number : 7 Question Id : 59345215354 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Manipulation is a part of :

प्रहस्तन ..... का एक हिस्सा है।

Options :

1. ✘ Historical research  
ऐतिहासिक शोध

- Fundamental research  
2. ✘ मौलिक शोध
- Descriptive research  
3. ✘ वर्णनात्मक शोध
- Experimental research  
4. ✔ प्रायोगिक शोध

**Question Number : 8 Question Id : 59345215355 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

p-value stands for :

पी-मूल्य से तात्पर्य है :

**Options :**

- Probability value  
1. ✔ सम्भाव्य मूल्य
- Preference value  
2. ✘ वरीयता मूल्य
- Pre-determined value  
3. ✘ पूर्व-निर्धारित मूल्य



Prescribed value

4. ✖ नियत मूल्य

**Question Number : 9 Question Id : 59345215356 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

$R^2$  is known as the :

$R^2$  को ..... के रूप में जाना जाता है।

Options :

Coefficient of determination

1. ✔ निर्धारण का गुणांक

Multiple correlation coefficient

2. ✖ बहु-सहसम्बन्ध गुणांक

Partial correlation coefficient

3. ✖ आंशिक सहसम्बन्ध गुणांक

Semi-partial correlation coefficient

4. ✖ अर्ध-आंशिक सहसम्बन्ध गुणांक

**Question Number : 10 Question Id : 59345215357 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Rejection of null hypothesis, when it is true, leads to :

शून्य परिकल्पना अस्वीकृत हो जाये जबकि यह सत्य है ..... को इंगित करती है।

Options :

Sampling Error

1. ✖ प्रतिचयन त्रुटि

Type II Error

2. ✖ टाइप II त्रुटि

Type I Error

3. ✔ टाइप I त्रुटि

Estimation Error

4. ✖ अनुमान त्रुटि

Question Number : 11 Question Id : 59345215358 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is first stage in Grounded Theory data analysis :

निम्नलिखित में से ग्राउंडेड थ्योरी के आँकड़ा विश्लेषण का प्रथम चरण कौन-सा होता है ?

Options :

Examination

1. ✖ परीक्षण

Open coding

2. ✔ खुली कूट संकेतन

Retardation

3. ✖ अवरोध

Comparison

4. ✖ तुलना

**Question Number : 12 Question Id : 59345215359 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The area of the rejection region for a two-tailed test in comparison with area of the one-tailed test for the same level of significance will be :

सार्थकता के समान स्तर के लिए एक-पुच्छीय परीक्षण के अस्वीकृति क्षेत्र की तुलना में द्वि-पुच्छीय परीक्षण का क्षेत्र :

**Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.**

Options :

Smaller

1. छोटा होगा

- Same
2. समान होगा
- Larger
3. बड़ा होगा
- One-fourth
4. एक चौथाई होगा

**Question Number : 13 Question Id : 59345215360 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Basic research is :

मौलिक शोध होता है :

Options :

- Practical and descriptive
1. ✖ व्यावहारिक और वर्णनात्मक
- Client-driven
2. ✖ ग्राहक-प्रेरित
- Expands current knowledge
3. ✔ वर्तमान ज्ञान का विस्तार करने वाला
- Advancement of technology
4. ✖ प्रौद्योगिकी में उन्नति लाने वाला

**Question Number : 14 Question Id : 59345215361 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The technique in which an individual is presented with a stimulus and asked to respond with the first thing that comes to mind is known as :

वह तकनीक जिसमें व्यक्ति के सामने एक उत्तेजना प्रस्तुत की जाती है और पहली बात जो दिमाग में आती है, उसका जवाब देने के लिए कहा जाता है, को जाना जाता है :

**Options :**

Completion techniques

1. ✘ पूर्ति तकनीक

Focus groups

2. ✘ केंद्रित समूह

Association techniques

3. ✔ साहचर्य तकनीक

In depth interviews

4. ✘ गहन साक्षात्कार

**Question Number : 15 Question Id : 59345215362 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

An Independent variable is defined as :

एक स्वतंत्र चर को परिभाषित किया जाता है :

Options :

- Change variable
- 1. ✓ परिवर्तनशील चर
- Confounding variable
- 2. ✘ भ्रमित चर
- Extraneous variable
- 3. ✘ वाह्य चर
- Outcome variable
- 4. ✘ परिणाम चर

Question Number : 16 Question Id : 59345215363 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which one of the following statements is *false* for Research ?

निम्नलिखित में से कौन-सा कथन अनुसंधान के लिए *गलत* है ?

Options :

- Research design is a logical and systematic plan for a research study
- 1. ✘ अनुसंधान अभिकल्प शोध अध्ययन के लिए एक तार्किक और व्यवस्थित योजना है

Applied research is conducted to solve theoretical problems

2. ✓ सैद्धान्तिक समस्याओं को हल करने के लिए व्यावहारिक अनुसंधान किया जाता है

The basic research is also called as fundamental research

3. ✖ मूल शोध को मौलिक शोध भी कहा जाता है

A hypothesis is a statement that is tested for its validity

4. ✖ परिकल्पना एक कथन है जिसकी वैधता का परीक्षण किया जाता है

**Question Number : 17 Question Id : 59345215364 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

A researcher has administered some drug for management of diabetes for 4 weeks in a group and measured pre and post data for blood glucose level. Which statistical tool will be used to analyze data ?

एक शोधकर्ता ने एक समूह में 4 सप्ताह के लिए मधुमेह के प्रबंधन के लिए कुछ दवा दी है और रक्त शर्करा के पूर्व और बाद के स्तरों का मापन किया। प्राप्त आँकड़ों के विश्लेषण के लिए किस सांख्यिकीय विधि का उपयोग किया जाएगा ?

**Options :**

Paired 't' test

1. ✓ युग्मित टी-परीक्षण

Independent t-test

2. ✖ स्वतंत्र टी-परीक्षण

ANOVA test

3. ✖ एनोवा परीक्षण

Chi-square test

4. ✖ काई-वर्ग परीक्षण

**Question Number : 18 Question Id : 59345215365 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Which of the following is a qualitative variable ?

निम्न में से कौन एक गुणात्मक चर है ?

Options :

Colour of hair

1. ✔ बालों का रंग

Body weight

2. ✖ शारीरिक भार

Body height

3. ✖ शारीरिक ऊँचाई

Percentage of haemoglobin

4. ✖ हीमोग्लोबिन का प्रतिशत



**Question Number : 19 Question Id : 59345215366 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

A researcher should consider which of the following to prepare good research proposal ?

एक शोधकर्ता को अच्छा शोध प्रस्ताव तैयार करने के लिए निम्नलिखित में से किस पर विचार करना चाहिए ?

- (a) Research question should be novel  
शोध प्रश्न नवीन होना चाहिए
- (b) Research protocol should be ethical and relevant  
अनुसंधान प्रोटोकॉल नैतिक और प्रासंगिक होना चाहिए
- (c) Research question should be interesting and feasible  
शोध प्रश्न दिलचस्प और व्यवहार्य होना चाहिए
- (d) Researcher should consider only his/her own interest and benefit  
शोधकर्ता को केवल अपनी स्वयं की रुचि एवम लाभ पर विचार करना चाहिए

Options :

- a & d are correct
- 1. ✘ a और d सही हैं
- c & d are incorrect
- 2. ✘ c और d गलत हैं
- a, c & d are correct
- 3. ✘ a, c और d सही हैं

a, b & c are correct

4. ✓ a, b और c सही हैं

**Question Number : 20 Question Id : 59345215367 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Why reviewing the existing literature is needed ?

मौजूदा साहित्य की समीक्षा करने की आवश्यकता क्यों है ?

Options :

It does not provide references

1. ✘ यह संदर्भों को प्रदान नहीं करता

It does not provide required word-count

2. ✘ आवश्यक शब्द-गणना नहीं देता

To find out what is already known about area of interest

3. ✓ यह जानने के लिए कि रुचि के क्षेत्र के बारे में पहले से क्या ज्ञात है

To help in non-related disciplines

4. ✘ असम्बन्धित विषयों में सहयोग करने के लिए

**Question Number : 21 Question Id : 59345215368 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Which one is called non-probability sampling ?

किसे असंभाव्यता प्रतिचयन कहा जाता है ?

Options :

Quota sampling

1. ✓ कोटा प्रतिचयन

Cluster sampling

2. ✘ गुच्छ प्रतिचयन

Systematic sampling

3. ✘ व्यवस्थित प्रतिचयन

Stratified random sampling

4. ✘ स्तरीकृत यादृच्छिक प्रतिचयन

**Question Number : 22 Question Id : 59345215369 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Random error can be effectively handled by :

यादृच्छिक त्रुटि को ..... द्वारा प्रभावी ढंग से नियंत्रित किया जा सकता है ।

Options :

Adequate sample size

1. ✓ उपयुक्त नमूना आकार

Randomisation

2. ✖ यादृच्छीकरण

Blinding

3. ✖ अंधकरण

Representativeness

4. ✖ प्रतिनिधित्व

Question Number : 23 Question Id : 59345215370 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The *correct* definition of h index is :

एच-इंडेक्स की *सही* परिभाषा है :

Options :

Largest number h such that h publications have at least h citations

1. ✔ सबसे बड़ी संख्या h जैसे कि h प्रकाशनों में कम से कम h उद्धरण हों

Lowest number h such that h publications have at least h citations

2. ✖ सबसे कम संख्या h जैसे कि h प्रकाशनों में कम से कम h उद्धरण हों

Total number of citations divided by the total number of publications

3. ✖ उद्धरणों की कुल संख्या को प्रकाशन की कुल संख्या से विभाजित करने पर

Another name for impact factor

4. ✘ प्रभाव कारक का दूसरा नाम

Question Number : 24 Question Id : 59345215371 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is *not* a reference management tool ?

निम्नलिखित में से कौन संदर्भ प्रबंधन उपकरण *नहीं* है ?

Options :

EndNote

1. ✘ एण्डनोट

Zotero

2. ✘ ज़ोटेरो

Mendeley

3. ✘ मेंडले

Scopus

4. ✔ स्कोपस

Question Number : 25 Question Id : 59345215372 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Mean, Median and Mode are :  
माध्य, माध्यिका और बहुलक हैं :

Options :

Measures of dispersion

1. ✖ प्रसरण का मापन

Measures of central tendency

2. ✔ केंद्रीय प्रवृत्ति का मापन

Measures of probability

3. ✖ संभाव्यता का मापन

Sampling methods

4. ✖ प्रतिचयन विधि

**Question Number : 26 Question Id : 59345215373 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

What is the appropriate measure of dispersion to report when median is reported as the measure of central tendency for a given set of data ?

रिपोर्ट करने के लिए विचलन का उपयुक्त उपाय क्या है जब माध्यिका को आँकड़ों के एक समूह के लिए केंद्रीय प्रवृत्ति के मापन के रूप में प्रयुक्त किया जाता है ?

Options :

Standard deviation

1. ✖ मानक विचलन

Interquartile range

2. ✓ अंतश्चतुर्थक विस्तार

Variance

3. ✗ विचरण

Coefficient of variance

4. ✗ विचरण का गुणांक

**Question Number : 27 Question Id : 59345215374 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Open ended group discussion that promotes discussion among participants is called .....

विवृतांग (ओपन एंडेड ग्रुप) चर्चा जो प्रतिभागियों के बीच परिचर्चा को बढ़ावा देते हैं, कहलाते हैं .....

**Options :**

In-depth discussion

1. ✗ गहन चर्चा

Focus group discussions

2. ✓ फोकस ग्रुप चर्चा

Participant observation

3. ✖ प्रतिभागी अवलोकन

Structured interviews

4. ✖ संरचित साक्षात्कार

**Question Number : 28 Question Id : 59345215375 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The ability of a tool to correctly measure what it is supposed to measure is called as :

किसी उपकरण/साधन की 'जिस उद्देश्य के मापन के लिए प्रयोग हो रहा है उसे सही-सही मापने की क्षमता' कहलाती है :

**Options :**

Validity

1. ✔ वैधता

Reliability

2. ✖ विश्वसनीयता

Consistency

3. ✖ संगति

Accuracy

4. ✖ सटीकता



**Question Number : 29 Question Id : 59345215376 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

In an experimental study of the effects of time spent on studying on grade, time spent studying would be the :

ग्रेड पर अध्ययन में व्यतीत समय के प्रभावों के एक प्रायोगिक अध्ययन में, अध्ययन में बिताया गया समय होगा :

**Options :**

- Control group
- 1. ✘ नियंत्रण समूह
- Independent variable
- 2. ✔ स्वतंत्र चर
- Experimental group
- 3. ✘ प्रायोगिक समूह
- Dependent variable
- 4. ✘ आश्रित चर

**Question Number : 30 Question Id : 59345215377 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

A reasoning where we start with certain particular statements and conclude with a universal statement is called :

एक तर्क जहाँ हम कुछ विशिष्ट कथनों से शुरू करते हैं और एक सार्वभौमिक कथन के साथ निष्कर्ष निकालते हैं, कहलाता है :

Options :

Deductive Reasoning

1. ✘ निगमनात्मक तर्क

Inductive Reasoning

2. ✔ आगमनात्मक तर्क

Abnormal Reasoning

3. ✘ असामान्य तर्क

Transcendental Reasoning

4. ✘ प्राशन्तुभविक तर्क

Question Number : 31 Question Id : 59345215378 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

If a distribution is described as platykurtic, then it is :

यदि किसी वितरण को प्लेटिक्यूरटिक (सपाटक कुर्दी) के रूप में वर्णित किया जाता है, तो वह है :

Options :

Peaked

1. ✘ चोटीदार

- Flat
2. ✓ सपाट
- Bimodal
3. ✘ द्विबाहुलकी
- Thin
4. ✘ पतला

**Question Number : 32 Question Id : 59345215379 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

In a statistical table the row headings are referred to as :

एक सांख्यिकीय तालिका में, पंक्ति शीर्षकों को कहा जाता है :

**Options :**

- Source note
1. ✘ स्रोत नोट
- Captions
2. ✘ कैप्शन (अनुशीर्षक)
- Stubs
3. ✓ स्टब्स (टूठ)

Body

4. ✖ शरीर

**Question Number : 33 Question Id : 59345215380 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Which of the following techniques are used to control extraneous variables in research ?

अनुसंधान में बाह्य चरों को नियंत्रित करने के लिए निम्नलिखित में से किस तकनीक का उपयोग किया जाता है ?

Options :

Change of instrument

1. ✖ साधन का परिवर्तन

Randomization

2. ✔ यादृच्छीकरण

Change the research method

3. ✖ अनुसंधान विधियों में परिवर्तन

Parameterization

4. ✖ पैरामीट्रिजेशन (प्राचलीकरण)

**Question Number : 34 Question Id : 59345215381 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Which of the following is the information and library network under UGC ?

यूजीसी के तहत निम्नलिखित में से कौन-सा सूचना और पुस्तकालय नेटवर्क है ?

**Options :**

INFLIBNET

1. ✓ इनफिलिबनेट

NISCAIR

2. ✗ निस्केयर

Association of Indian Universities

3. ✗ भारतीय विश्वविद्यालयों का संघ

NAAC

4. ✗ नैक

**Question Number : 35 Question Id : 59345215382 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

A research tool consisting of a series of questions is known as :

प्रश्नों की एक शृंखला से युक्त एक शोध उपकरण को कहा जाता है :

**Options :**

Observation schedule

1. ✗ अवलोकन अनुसूची

Interview schedule

2. ✘ साक्षात्कार अनुसूची

Questionnaire

3. ✔ प्रश्नावली

Psychological test

4. ✘ मनोवैज्ञानिक परीक्षण

**Question Number : 36 Question Id : 59345215383 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

What does a good thesis involve ?

एक अच्छी थीसिस में क्या सम्मिलित होता है ?

- (a) Reducing punctuations as well as grammatical errors to minimal level.  
विराम-चिन्हों तथा व्याकरण अशुद्धियों को अल्पतम स्तर तक कम करना।
- (b) Correct reference citation.  
समुचित सन्दर्भ उद्धरण।
- (c) Consistency in the way of thesis writing.  
थीसिस लेखन के तरीके में सुसंगति।
- (d) All of the three  
तीनों में सभी

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

नीचे दिये गये कूट में से *सही* उत्तर चुनें :

*Codes :*

*कूट :*

**Options :**

a, b, c and d

1. ✓ a, b, c तथा d

a, c and d

2. ✗ a, c तथा d

a, b and c

3. ✓ a, b तथा c

c, b and d

4. ✘ c, b तथा d

**Note: For this question, ambiguity is found in question/answer. Candidate will get full marks for this question if any of the correct options are chosen.**

**Question Number : 37 Question Id : 59345215384 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The difference between the expected value of a sample statistic and the estimated value of parameter is called :

नमूना आंकड़ों के अपेक्षित मूल्य और प्राचल के अनुमानित मूल्य के बीच के अन्तर को कहा जाता है :

**Options :**

Error

1. ✘ त्रुटि

Bias

2. ✔ पूर्वाग्रह

Contradiction

3. ✘ विरोधाभास

Difference

4. ✘ अंतर



**Question Number : 38 Question Id : 59345215385 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Among the following, widely used method for extracting factors is :

निम्नलिखित में से, कारकों को निकालने के लिए व्यापक रूप से इस्तेमाल की जाने वाली विधि है :

**Options :**

Path analysis

1. ✖ पथ विश्लेषण

Discriminant analysis

2. ✖ विभेदक विश्लेषण

Group analysis

3. ✖ समूह विश्लेषण

Principle component analysis

4. ✔ प्रमुख-घटक विश्लेषण

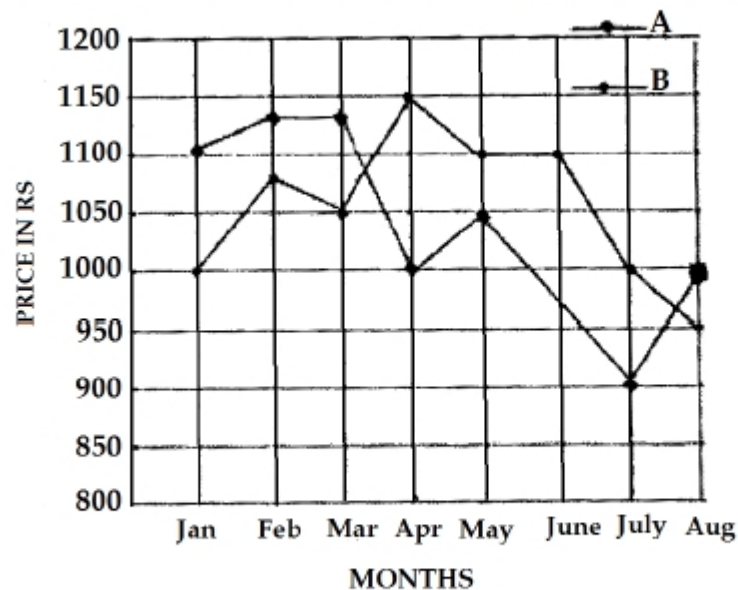
**Question Number : 39 Question Id : 59345215386 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Study the following given graph and answer the question :

निम्नलिखित ग्राफ का अध्ययन कीजिए तथा प्रश्न का उत्तर दीजिए :



What was the price difference between commodity A and B in the month of April ?

अप्रैल के महीने में सामग्री A और B के बीच मूल्य का अन्तर क्या था ?

Options :

1. ✘ 250
2. ✔ 150
3. ✘ 100
4. ✘ 90

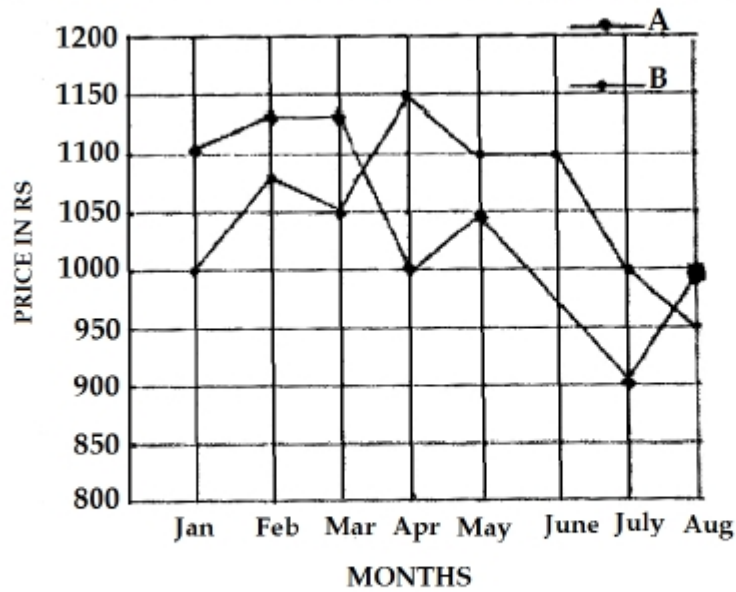
Question Number : 40 Question Id : 59345215387 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Study the following given graph and answer the question :

निम्नलिखित ग्राफ का अध्ययन कीजिए तथा प्रश्न का उत्तर दीजिए :



What was the difference in average price between commodity A and B from April to August ?

अप्रैल से अगस्त तक सामग्री A और B के औसत मूल्य में कितना अन्तर था ?

Options :

1. ✘ 90

2. ✘ 86

3. ✘ 95

4. ✔ 75

## Subject\_&\_Area Concerned

Section Id :	593452272
Section Number :	2
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	60
Number of Questions to be attempted :	60
Section Marks :	180
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Sub-Section Number :	1
Sub-Section Id :	593452300
Question Shuffling Allowed :	Yes

**Question Number : 41 Question Id : 59345215388 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The process by which an originally homogeneous Earth developed a dense core and a light crust is called :

**Options :**

1. ✘ Metamorphism
2. ✔ Differentiation
3. ✘ Accretion
4. ✘ Compression

**Question Number : 42 Question Id : 59345215389 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

What drives the Earth's internal heat engine ?

**Options :**

1. ✓ Radioactivity
2. ✗ Solar energy
3. ✗ Volcanoes
4. ✗ Ocean tides

**Question Number : 43 Question Id : 59345215390 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Which of the following features is *not* associated with a convergent plate boundary ?

**Options :**

1. ✓ A mid-ocean ridge
2. ✗ Earthquakes
3. ✗ A deep-sea trench zone

4. ✖ Volcanic activity

**Question Number : 44 Question Id : 59345215391 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Features useful in defining plate boundaries include all, except :

**Options :**

1. ✔ Shorelines between continents and oceans
2. ✖ Distribution of volcanoes
3. ✖ Distribution of earthquakes
4. ✖ Distribution of mountain ranges

**Question Number : 45 Question Id : 59345215392 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The Andes Mountains of South America are a result of which type of plate movement process ?

**Options :**

1. ✔ Convergent

2. ✘ Divergent
3. ✘ Transform
4. ✘ They are not related to a plate boundary

**Question Number : 46 Question Id : 59345215393 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

What is the name of the large supercontinent that existed 200 million years ago ?

**Options :**

1. ✘ Hadean
2. ✘ Andian
3. ✘ Gondwanaland
4. ✔ Pangaea

**Question Number : 47 Question Id : 59345215394 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Which one of the following is *not* a dip angle measurement technique ?

**Options :**

1. ✘ VLF
2. ✘ AFMAG
3. ✔ Turam
4. ✘ Shoot back method

**Question Number : 48 Question Id : 59345215395 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The susceptibility of a paramagnetic material ?

**Options :**

1. ✘ Remain unchanged with increase in temperature
2. ✔ Decreases with increase in temperature
3. ✘ Increases with increase in temperature
4. ✘ Becomes ferromagnetic with increase in temperature

**Question Number : 49 Question Id : 59345215396 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question



Which of the following triple junctions is always stable ?

Options :

1. ✓ RRR
2. ✗ TTT
3. ✗ RTF
4. ✗ RRT

**Question Number : 50 Question Id : 59345215397 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Which of the following is *not* a global optimization technique ?

Options :

1. ✗ Simulated annealing
2. ✗ Genetic algorithm
3. ✓ Least square method
4. ✗ Artificial neural network

**Question Number : 51 Question Id : 59345215398 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On**

**Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The movement of the Earth's paleo-magnetic poles relative to a continent is known as ?

**Options :**

1. ✘ Magnetic reversal
2. ✘ True polar wandering
3. ✘ Plate tectonics
4. ✔ Apparent polar wandering

**Question Number : 52 Question Id : 59345215399 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Which of the following is *not* a diamagnetic material ?

**Options :**

1. ✘ Calcite
2. ✘ Water
3. ✔ Pyrite
4. ✘ Quartz

**Question Number : 53 Question Id : 59345215400 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

What is the name of the large supercontinent that existed before Pangaea ?

Options :

1. ✘ Hadean
2. ✘ Andian
3. ✘ Gondwanaland
4. ✔ Rodinia

**Question Number : 54 Question Id : 59345215401 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Diurnal variation of Earth's magnetic field is caused by :

Options :

1. ✔ Changes in strength and direction of ionospheric current
2. ✘ Thunderstorm activity
3. ✘ Solar wind

#### 4. ❖ Auroras

**Question Number : 55 Question Id : 59345215402 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Which one of the following EM technique falls under phase component measurement category ?

**Note: For this question, discrepancy is found in question/answer. Full Marks is being awarded to all candidates.**

**Options :**

1. VLF
2. AFMAG
3. Slingram and Ronka method
4. Shoot back method

**Question Number : 56 Question Id : 59345215403 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Aurora Borealis is predominantly seen over :

**Options :**

1. ✘ Mid latitude regions
2. ✘ Southern high latitude regions
3. ✔ Northern high latitude regions
4. ✘ Equatorial regions

**Question Number : 57 Question Id : 59345215404 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The *correct* Cagniard equation can be written as :

**Options :**

1. ✘ 
$$\rho = 2.0T \left| \frac{E_x}{H_y} \right|$$

2. ✔ 
$$\rho = 0.2T \left| \frac{E_x}{H_y} \right|$$

3. ✘ 
$$\rho = 0.2T \left| \frac{H_x}{E_y} \right|$$

4. ✖ 
$$\rho = 2.0T \left| \frac{H_x}{E_y} \right|$$

**Question Number : 58 Question Id : 59345215405 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

A conductor is usually defined as a material of resistivity .....

Options :

1. ✔  $< 10^{-5} \Omega\text{m}$

2. ✖  $> 10^{-5} \Omega\text{m}$

3. ✖  $< 10^7 \Omega\text{m}$

4. ✖  $> 10^7 \Omega\text{m}$

**Question Number : 59 Question Id : 59345215406 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

For a very long straight wire, the Magnetic field intensity (H) at a distance d with current i can be written as :

Options :

1. ✓  $H = \frac{i}{2\pi d}$

2. ✗  $H = \frac{i}{2d}$

3. ✗  $H = \frac{2d}{i}$

4. ✗  $H = \frac{2\pi d}{i}$

**Question Number : 60 Question Id : 59345215407 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Which of the following logging methods give information about water saturation of the formation ?

**Options :**

1. ✗ Sonic Logging

2. ✓ SP Logging

3. ✗ Density Logging

4. ✗ Neutron Logging

**Question Number : 61 Question Id : 59345215408 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Which of the following radioactive element is most abundant in the Earth crust ?

**Options :**

1. ✘ Thorium
2. ✘ Uranium
3. ✔ Potassium
4. ✘ Radium

**Question Number : 62 Question Id : 59345215409 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Which of the following resistivity tools have greatest bed resolution ?

**Options :**

1. ✔ Microlog
2. ✘ Laterolog 3



3. ✖ Laterolog 7

4. ✖ Spherically Focused Log (SFL)

**Question Number : 63 Question Id : 59345215410 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Which of the following log combination give best Fracture identification ?

Options :

1. ✔ Sonic and Density log

2. ✖ Sonic and Neutron log

3. ✖ Neutron and Density log

4. ✖ Density and Resistivity log

**Question Number : 64 Question Id : 59345215411 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Stress and strains are the tensors of :

Options :

1. ✖ 1<sup>st</sup> order

2. ✓ 2<sup>nd</sup> order

3. ✗ 3<sup>rd</sup> order

4. ✗ 4<sup>th</sup> order

**Question Number : 65 Question Id : 59345215412 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The geomagnetic field on the earth's surface is strongest at :

**Options :**

1. ✗ 0° Latitude

2. ✗ 30° Latitude

3. ✗ 60° Latitude

4. ✓ 90° Latitude

**Question Number : 66 Question Id : 59345215413 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The first teleseismic earthquake was recorded on a station installed in :

Options :

1. ✘ Japan
2. ✔ Germany
3. ✘ USA
4. ✘ France

**Question Number : 67 Question Id : 59345215414 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

If the forces on a body are balanced to give no rotation, how many independent elements will exist in stress matrix :

Options :

1. ✘ 9
2. ✔ 6
3. ✘ 4
4. ✘ 2

**Question Number : 68 Question Id : 59345215415 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Minimum value of Poisson's ratio represents :

**Options :**

1. ✘ No volume change
2. ✔ No lateral contraction
3. ✘ No longitudinal contraction
4. ✘ Rotation

**Question Number : 69 Question Id : 59345215416 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

At the surface of rotating earth centrifugal acceleration is minimum at :

**Options :**

1. ✘  $0^\circ$  Latitude
2. ✘  $30^\circ$  Latitude
3. ✘  $60^\circ$  Latitude

4. ✓ 90° Latitude

**Question Number : 70 Question Id : 59345215417 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Orthoclase feldspars and Muscovite are the radioactive minerals of :

**Options :**

1. ✓ Potassium

2. ✘ Uranium-235

3. ✘ Uranium-238

4. ✘ Thorium

**Question Number : 71 Question Id : 59345215418 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Forced movement of fluids through porous rocks gives rise to :

**Options :**

1. ✓ Streaming potential

2. ✘ Nernst potential
3. ✘ Mineralization potential
4. ✘ Liquid junction potential

**Question Number : 72 Question Id : 59345215419 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Which of the following is an active geophysical method ?

**Options :**

1. ✘ Gravity
2. ✔ Self-Potential
3. ✘ Magnetotelluric
4. ✘ Electrical Resistivity method

**Question Number : 73 Question Id : 59345215420 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Which electrode configuration acquires maximum vertical resolution ?

Options :

1. ✘ Schlumberger
2. ✘ Pole Dipole
3. ✘ Half Wenner
4. ✔ Wenner

**Question Number : 74 Question Id : 59345215421 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

In frequency domain IP method, frequency effect is defined as :

Options :

1. ✘  $(\rho_{ac} - \rho_{dc}) / \rho_{dc}$
2. ✘  $(\rho_{ac} - \rho_{dc}) / \rho_{ac}$
3. ✔  $(\rho_{dc} - \rho_{ac}) / \rho_{ac}$
4. ✘  $(\rho_{dc} - \rho_{ac}) / \rho_{dc}$

**Question Number : 75 Question Id : 59345215422 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Which one of these is NOT a source of sufficient water supply but can transmit certain quantity of water on a regional scale due to leakage ?

**Options :**

1. ✘ Aquifer
2. ✔ Aquitard
3. ✘ Aquiclude
4. ✘ Aquifuge

**Question Number : 76 Question Id : 59345215423 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The measurement of a decaying voltage over a certain time interval is known as surveying of :

**Options :**

1. ✘ Frequency-data SP
2. ✘ Time-data IP



3. ✘ Time-domain SP

4. ✔ Time-domain IP

**Question Number : 77 Question Id : 59345215424 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The shape of a VES curve over a three-layer sequence comprising: moist soil (top), fresh water saturated coarse sand (middle) and Clay (bottom) is :

**Options :**

1. ✘ A-type

2. ✘ Q-type

3. ✔ K-type

4. ✘ H-type

**Question Number : 78 Question Id : 59345215425 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The geophysical method for the exploration of disseminated sulfide deposits is :

**Options :**

1. ✓ Induced polarization
2. ✗ Self- potential
3. ✗ Gravity
4. ✗ Magnetic

**Question Number : 79 Question Id : 59345215426 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

A typical reflection survey contains frequencies in the range of about 10 to 50 Hz. For a frequency of 30 Hz and seismic velocity of 3000 m/s, the wavelength is :

**Options :**

1. ✗ 10 m
2. ✓ 100 m
3. ✗ 1000 m
4. ✗ 10000 m

**Question Number : 80 Question Id : 59345215427 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Compressional wave velocity for granite is :

**Options :**

1. ✘ 4.7 km/s
2. ✘ 5.7 km/s
3. ✔ 6.7 km/s
4. ✘ 7.7 km/s

**Question Number : 81 Question Id : 59345215428 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The atmospheric phenomenon ties to El-Nino is termed as :

**Options :**

1. ✘ North Pacific Oscillation
2. ✔ Southern Oscillation
3. ✘ Atlantic Oscillation
4. ✘ Northern Oscillation

**Question Number : 82 Question Id : 59345215429 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator :**

**None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The strength of El-Nino Southern Oscillation (ENSO) can be determined by variation in pressure anomalies at :

**Options :**

1. ✘ North Pacific High and Aleutian low
2. ✘ Azores High and Icelanding low
3. ✔ Darwin and Tahiti
4. ✘ Tibetan Plateau and Mascarene High

**Question Number : 83 Question Id : 59345215430 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The low rainfall is associated with the rain spell of oscillation of :

**Options :**

1. ✘ 3-7 days
2. ✘ 3-14 days
3. ✘ 10-20 days

4. ✓ 30-60 days

**Question Number : 84 Question Id : 59345215431 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Local name Mei-yu front is associated with summer monsoon rain in :

**Options :**

1. ✗ South Korea

2. ✗ Japan

3. ✓ China

4. ✗ India

**Question Number : 85 Question Id : 59345215432 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The Fog is formed by continuous rain ahead of warm front is known as :

**Options :**

1. ✗ Radiation fog

2. ✗ Advection fog

3. ✘ Steaming fog

4. ✔ Frontal fog

**Question Number : 86 Question Id : 59345215433 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Which one of these is a cold current ?

**Options :**

1. ✘ Kuroshio current

2. ✘ Gulf stream current

3. ✔ Labrador current

4. ✘ North Atlantic Drift current

**Question Number : 87 Question Id : 59345215434 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The transition layer between the surface zone and the deep ocean that depicts very rapid increase in density is also known as the :

**Options :**

1. ✘ Mixed layer
2. ✘ Halocline
3. ✘ Transition zone
4. ✔ Pycnocline

**Question Number : 88 Question Id : 59345215435 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Microwave radiation used in remote sensing is better than visible or Infrared radiation because :

**Options :**

1. ✘ It is the most important radiation in terms of the Earth's energy balance
2. ✔ It is capable of penetrating through clouds
3. ✘ Energy of terrestrial radiation is highest in the microwave range
4. ✘ Energy of solar radiation is maximally concentrated in the microwave range

**Question Number : 89 Question Id : 59345215436 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Jet streams are perfect examples of :

**Options :**

1. ✘ Geostrophic wind
2. ✘ Gradient wind
3. ✘ Inertial wind
4. ✔ Thermal wind

**Question Number : 90 Question Id : 59345215437 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Microwave radiation used in remote sensing is better than visible or Infrared radiation because :

**Options :**

1. ✘ It is the most important radiation in terms of the Earth's energy balance
2. ✔ It is capable of penetrating through clouds
3. ✘ Energy of terrestrial radiation is highest in the microwave range
4. ✘ Energy of solar radiation is maximally concentrated in the microwave range



**Question Number : 91 Question Id : 59345215438 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

What is the size of the particles categorized as aerosols ?

Options :

1. ✘ Greater than 10 micron
2. ✘ Less than 0.005 micron
3. ✔ Between 0.005 - 20 micron
4. ✘ Less than 20 micron

**Question Number : 92 Question Id : 59345215439 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

What type of colloid is aerosol ?

Options :

1. ✘ Solid in gas
2. ✘ Gas in solid or fluid
3. ✘ Fluid in gas

4. ✓ Fluid or solid in gas

**Question Number : 93 Question Id : 59345215440 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

In rural areas, what has contributed significantly to particulate pollution ?

**Options :**

1. ✘ Incomplete combustion in vehicles
2. ✓ Using wood for fire and cooking
3. ✘ Fertilizers
4. ✘ Industrial exhaust

**Question Number : 94 Question Id : 59345215441 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

An airmass is often modified when moves, due to :

**Options :**

1. ✘ Jet stream
2. ✘ Clouds

3. ✘ Strong pressure gradient

4. ✔ Conditions near ground surface

**Question Number : 95 Question Id : 59345215442 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Varied colour of red and orange at sunrise and sunset are caused by :

**Options :**

1. ✘ Water Vapour

2. ✔ Dust particles

3. ✘ Gases

4. ✘ Insulation

**Question Number : 96 Question Id : 59345215443 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Cyclones are more prominent in Bay of Bengal than in the Arabian Sea due to :

**Options :**

1. ✔ Higher sea surface temperature of Bay of Bengal

2. ✘ Large sediment deposition in Bay of Bengal
3. ✘ Stronger winds over Arabian Sea
4. ✘ Stronger winds over Bay of Bengal

**Question Number : 97 Question Id : 59345215444 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The freezing point of sea water :

**Options :**

1. ✘ Increases with salinity
2. ✔ Decreases with salinity
3. ✘ Independent of salinity
4. ✘ Increases with evaporation

**Question Number : 98 Question Id : 59345215445 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

In a thunderstorm, charges are generated at :

**Options :**

1. ✘ Cloud base
2. ✘ Cloud top
3. ✘ Freezing levels
4. ✔ -10° C to -20° C levels

**Question Number : 99 Question Id : 59345215446 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

The largest amplitude of interannual variability in temperature is observed in the following tropical ocean basin :

**Options :**

1. ✘ West Pacific
2. ✘ Central Arabian Sea
3. ✘ Bay of Bengal
4. ✔ East Pacific

**Question Number : 100 Question Id : 59345215447 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : No**

**Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

In a monsoon depression, centre of low pressure tilts towards :

**Options :**

1. ✘ North

2. ✔ South

3. ✘ East

4. ✘ West