

# 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>	742 11th April 2021 Shift 2
<b>Subject Name :</b>	742
<b>Creation Date :</b>	2021-04-11 19:03:31
<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\_Water Management (Agronomy)

<b>Group Number :</b>	1
<b>Group Id :</b>	509398125
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	120
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	300

Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

## Research\_Methodology

Section Id :	509398188
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 :	509398215
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 50939814723 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 : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Generalised conclusion on the basis of a sample is technically known as :

एक नमूने के आधार पर सामान्यीकृत निष्कर्ष तकनीकी रूप से जाना जाता है :

Options :

1.  Statistical inference  
सांख्यिकीय निष्कर्ष
2.  Descriptive statistic  
वर्णनात्मक आँकड़ा
3.  Data analysis and interpretation  
डेटा विश्लेषण और व्याख्या
4.  All of the three  
तीनों में सभी

**Question Number : 2 Question Id : 50939814724 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 : Yes**

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

Question Label : Multiple Choice Question

The protocol of asking pre-meditated questions in instruments of data collection is :  
समंक संग्रह के उपकरणों में पूर्व-मध्यस्थता प्रश्न पूछने का प्रोटोकॉल है :

**Options :**

1. ✓ Structured  
संरचनात्मक

2. ✗ Unstructured  
असंरचित

3. ✗ Free-rein  
फ्री-रेन

4. ✗ Systematic  
व्यवस्थित

**Question Number : 3 Question Id : 50939814725 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 : Yes**

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

Question Label : Multiple Choice Question

Survey research is cross-sectional and therefore :  
सर्वेक्षण अनुसंधान पार-अनुभागीय है और इसलिए :

**Options :**

1. ✓ High in replicability but low in internal validity  
प्रतिकृति में उच्च लेकिन आंतरिक वैधता में कम

2. ✗ High in internal validity but low in reliability  
आंतरिक वैधता में उच्च लेकिन विश्वसनीयता में कम

3. ✗ High in ecological validity but low in external validity  
पारिस्थितिक वैधता में उच्च लेकिन बाहरी वैधता में कम

None of the three

4. ✘ तीनों में से कोई नहीं

**Question Number : 4 Question Id : 50939814726 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 : Yes**

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

Question Label : Multiple Choice Question

Testing hypothesis is a .....  
परिकल्पना परीक्षण है .....

**Options :**

1. ✔ Inferential statistics  
आनुमानिक सांख्यिकी

2. ✘ Descriptive statistics  
वर्णनात्मक सांख्यिकी

3. ✘ Data preparation  
समंक का अयोजन

4. ✘ Data analysis  
समंक का विश्लेषण

**Question Number : 5 Question Id : 50939814727 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 : Yes**

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

Question Label : Multiple Choice Question

Inductive logic proceeds from :  
आगमनात्मक तर्क अग्रसर होता है :

**Options :**

1. ✘ General to General  
सामान्य से सामान्य

2. ✔ Particular to General  
विशेष से सामान्य

General to Particular

3. ✖ सामान्य से विशेष

Particular to Particular

4. ✖ विशेष से विशेष

**Question Number : 6 Question Id : 50939814728 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 : Yes**

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

Question Label : Multiple Choice Question

The sampling technique based on referral system of respondents is known as :

उत्तरदाताओं की रेफरल प्रणाली पर आधारित प्रतिचयन तकनीक को जाना जाता है :

**Options :**

Convenience Sampling

1. ✖ सुविधा प्रतिचयन

Snowball Sampling

2. ✔ स्नोबॉल प्रतिचयन

Cluster Sampling

3. ✖ समूह प्रतिचयन

Stratified Sampling

4. ✖ स्तरीकृत प्रतिचयन

**Question Number : 7 Question Id : 50939814729 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 : Yes**

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

Question Label : Multiple Choice Question

Analysing the impact of demonetization on economic growth falls under which category of research ?

आर्थिक विकास पर नोटबंदी के प्रभाव का विश्लेषण किस शोध या अनुसंधान श्रेणी के अन्तर्गत आता है ?

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

## candidates.

### Options :

1. Descriptive Research  
वर्णनात्मक शोध
2. Fundamental Research  
मौलिक शोध
3. Pure Research  
शुद्ध शोध
4. Casual Research  
कारणात्मक शोध

**Question Number : 8 Question Id : 50939814730 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 : Yes**

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

Question Label : Multiple Choice Question

Likert scaling is based on :

लिकर्ट पैमाना आधारित है :

### Options :

1. ✓ Item-wise scale  
मद-क्रम पैमाने पर
2. ✗ Summative scale  
योगात्मक पैमाने पर
3. ✗ Reflective scale  
परावर्तक पैमाने पर
4. ✗ Formative scale  
प्रारंभिक पैमाने पर

**Question Number : 9 Question Id : 50939814731 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 : Yes**

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

Question Label : Multiple Choice Question

A research design appropriate for a particular research problem, usually involves the consideration of the following factors :

एक शोध रूपरेखा एक विशेष शोध समस्या के लिए उपयुक्त होती है, जिसमें सामान्यतया निम्नलिखित कारकों पर विचार किया जाता है :

- (a) The means of obtaining information  
सूचना प्राप्त करने का साधन
- (b) The availability and skills of the researcher  
शोधकर्ता की उपलब्धता और कौशल
- (c) The nature of the problem to be studied  
अध्ययन की जाने वाली समस्या की प्रकृति
- (d) The availability of time and money for the research work  
शोध कार्य के लिए समय और धन की उपलब्धता

**Options :**

(a), (b) and (d)  
1. ✘ (a), (b) और (d)

(a), (b) and (c)  
2. ✘ (a), (b) और (c)

(a), (b), (c) and (d)  
3. ✔ (a), (b), (c) और (d)

(b), (c) and (d)  
4. ✘ (b), (c) और (d)

**Question Number : 10 Question Id : 50939814732 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 : Yes**

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

Question Label : Multiple Choice Question

SHODHGANGOTRI is :  
SHODHGANGOTRI है :

**Options :**

1. ✖ Database of articles  
लेखों का डेटाबेस
2. ✖ Database of thesis & dissertation  
थीसिस और शोध प्रबंध का डेटाबेस
3. ✔ Database of research synopsis  
रिसर्च सिनोप्सिस का डेटाबेस
4. ✖ Database of experts  
विशेषज्ञों का डेटाबेस

**Question Number : 11 Question Id : 50939814733 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 : Yes**

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

Question Label : Multiple Choice Question

Which of the following statements about random sampling method is *not* true ?  
यादृच्छिक न्यादर्श पद्धति के बारे में निम्नलिखित में से क्या सत्य *नहीं* है ?

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

**Options :**

1. In this methods, each unit has equal chance to be selected.  
इस पद्धति में प्रत्येक इकाई के चयनित होने का समान अवसर होता है।
2. Each sample has equal chance of selection.  
प्रत्येक प्रतिदर्श के चयन की सम्भावना समान होती है।
3. It is free from personal prejudices and bias  
यह व्यक्तिगत पूर्वधारणाओं और पक्षपातों से रहित होता है।
4. This method is very simple to use  
यह पद्धति प्रयोग करने में बेहद आसान है।



**Question Number : 12 Question Id : 50939814734 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 : Yes**

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

Question Label : Multiple Choice Question

The English word 'Research' derives its origin from :

अंग्रेजी शब्द 'रिसर्च' (शोध) की व्युत्पत्ति है :

**Options :**

1. ✘ Latin  
लैटिन
2. ✔ French  
फ्रेंच
3. ✘ German  
जर्मन
4. ✘ Italian  
इटालियन

**Question Number : 13 Question Id : 50939814735 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 : Yes**

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

Question Label : Multiple Choice Question

Which of the following approach uses the study of groups to identify general laws that apply to a large group of people ?

इनमें से कौ-सा दृष्टिकोण लोगों के बड़े समूह पर लागू होने वाले सामान्य नियमों की पहचान करने के लिए 'समूहों के अध्ययन' का उपयोग करता है ?

**Options :**

1. ✘ Idiographic Approach  
इडियोग्राफिक (वस्तुपरक) दृष्टिकोण
2. ✔ Nomothetic Approach  
नोमोथेटिक (सिद्धान्तपरक) दृष्टिकोण
3. ✘ Empirical Approach  
अनुभवजन्य दृष्टिकोण

**Question Number : 14 Question Id : 50939814736 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 : Yes**

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

Question Label : Multiple Choice Question

In the context of Research Process, the following operational steps are taken in certain order :

अनुसंधान प्रक्रिया के संदर्भ में, निम्नलिखित परिचालन चरण एक निश्चित क्रम में उठाए जाते हैं :

- (A) Conceptualising the research design  
अनुसंधान अभिकल्प की अवधारणा।
- (B) Formulating a research problem  
शोध समस्या का गठन।
- (C) Selecting a sample  
प्रतिदर्श का चयन।
- (D) Constructing an instrument for data collection  
डेटा संग्रह के लिए अनुसंधान साधन का निर्माण।

Which of the following options represents the correct order ?

निम्नलिखित में से कौन-सा विकल्प सही क्रम का प्रतिनिधित्व करता है ?

**Options :**

- 1. ✔ B, A, D, C
- 2. ✖ B, D, A, C
- 3. ✖ B, C, A, D
- 4. ✖ B, C, D, A

**Question Number : 15 Question Id : 50939814737 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 : Yes**

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

Question Label : Multiple Choice Question

Impact factor of a journal is defined as :

किसी जर्नल के प्रभाव कारक (Impact factor) को इस प्रकार परिभाषित किया गया है :

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

**Options :**

It is the monthly average number of citations that articles published in the last twelve months in a given journal received

यह किसी दिए गए जर्नल में पिछले बारह महीनों में प्रकाशित लेखों की मासिक औसत उद्धरण संख्या है

1.

It is the yearly average number of citations that articles published in the last four years in a given journal received

यह दी गई पत्रिका में पिछले चार वर्षों में प्रकाशित लेखों की वार्षिक औसत उद्धरण संख्या है

2.

It is the yearly average number of citations that articles published in the last two years in a given journal received

यह किसी दिए गए जर्नल में पिछले दो वर्षों में प्रकाशित लेखों की वार्षिक औसत उद्धरण संख्या है

3.

It is the yearly average number of citations that articles published in the last five years in a given journal received

यह दी गई पत्रिका में पिछले पाँच वर्षों में प्रकाशित लेखों की वार्षिक औसत उद्धरण संख्या है

4.

**Question Number : 16 Question Id : 50939814738 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 : Yes**

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

Question Label : Multiple Choice Question

The three basic principles of experimental design are :

प्रयोगात्मक योजना के तीन मूलभूत सिद्धान्त हैं :

**Options :**

Replication, randomization and Substitution

1. ✘ रेप्लीकेशन, रैन्डोमाइजेशन एवं सब्स्टीट्यूशन

Replication, randomization, and local control

2. ✔ रेप्लीकेशन, रैन्डोमाइजेशन एवं लोकल कंट्रोल

3. ✖ Substitution, replication and local control  
सबस्टीट्यूशन, रेप्लीकेशन एवं लोकल कन्ट्रोल

4. ✖ Substitution, randomization and local control  
सबस्टीट्यूशन, रैन्डोमाइजेशन एवं लोकल कन्ट्रोल

**Question Number : 17 Question Id : 50939814739 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 : Yes Correct Marks : 3 Wrong Marks : 1**  
Question Label : Multiple Choice Question

Differences in the means of more than two treatments are analysed by :  
दो से अधिक उपचारों के माध्य में विभेद का विश्लेषण किया जाता है :

Options :

1. ✖ Simple t-test  
साधारण टी-परीक्षण

2. ✖ Chi square test  
काई स्क्वायर परीक्षण

3. ✔ F-test  
एफ-परीक्षण

4. ✖ Paired sample t-test  
युग्मित सैम्पल टी-टेस्ट

**Question Number : 18 Question Id : 50939814740 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 : Yes Correct Marks : 3 Wrong Marks : 1**  
Question Label : Multiple Choice Question

Which of the following is *not* a method of research ?  
निम्नलिखित में से कौन शोध की एक विधि *नहीं* है ?

Options :

1. ✖ Survey  
सर्वेक्षण
2. ✖ Historical  
ऐतिहासिकता
3. ✔ Observation  
अवलोकन
4. ✖ Philosophical  
दार्शनिकता

**Question Number : 19 Question Id : 50939814741 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 : Yes**

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

Question Label : Multiple Choice Question

Which of the following graphical presentation is two dimensional ?  
निम्न में से कौन आरेखीय प्रस्तुतीकरण दो अक्षीय है ?

**Options :**

1. ✖ Pie chart  
पाई चार्ट
2. ✖ Bar chart  
दण्ड आरेख
3. ✔ Histogram  
आयत चित्र
4. ✖ Box plot  
बॉक्स प्लॉट

**Question Number : 20 Question Id : 50939814742 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 : Yes**

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

Question Label : Multiple Choice Question

Correlational Research can be classified from the perspectives of :

सह-संबंध अनुसंधान को किस दृष्टिकोण के आधार पर वर्गीकृत किया जा सकता है ?

Options :

Applications of the findings of the research study.

1. ✘ शोध अध्ययन के निष्कर्षों के अनुप्रयोग के आधार पर।

Objectives of the research study.

2. ✔ शोध अध्ययन के उद्देश्य के आधार पर।

Mode of enquiry used in conducting the study.

3. ✘ अध्ययन के संचालन में उपयोग की जाने वाली जांच के तरीके के आधार पर।

Outcome of the research.

4. ✘ शोध के परिणाम के आधार पर।

**Question Number : 21 Question Id : 50939814743 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 : Yes**

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

Question Label : Multiple Choice Question

A researcher might want to examine the reactions of the general population towards people in wheelchairs. He/She can study their reactions by sitting in a wheelchair himself/herself. Such method of collecting data is known as :

एक शोधकर्ता व्हीलचेयर में बैठे लोगों के प्रति सामान्य आबादी की प्रतिक्रियाओं की जांच करना चाहता है। वह स्वयं व्हीलचेयर में बैठकर उनकी प्रतिक्रियाओं का अध्ययन कर सकता है। डेटा एकत्र करने की इस विधि को किस रूप में जाना जाता है ?

Options :

Disguised Observation

1. ✘ प्रच्छन्न अवलोकन

Participant Observation

2. ✔ प्रतिभागी अवलोकन

Non-Participant Observation

3. ✘ गैर-प्रतिभागी अवलोकन

Self Recording Observation

4. ✘ स्वयं रिकॉर्डिंग अवलोकन

**Question Number : 22 Question Id : 50939814744 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 : Yes**

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

Question Label : Multiple Choice Question

Which of the following is are citation/reference style(s) ?

निम्नलिखित में से कौन उद्धरण/संदर्भ विधि (विधियाँ) है/हैं ?

- (A) American Physical Association  
अमेरिकन फिजिकल एसोसिएशन
- (B) Modern Linguistic Association  
मॉडर्न लिग्विस्टिक एसोसिएशन
- (C) Oxford Standard for the Citation of Language Association  
ऑक्सफोर्ड स्टेण्डर्ड फॉर द साइटेशन ऑफ लैंग्वेज एसोसिएशन
- (D) Vancouver  
वैंकूवर

Choose the correct answer from the codes given below :

निम्नलिखित में से कौन-सा सही कूट है :

**Options :**

- (a), (b), (c) and (d)
- 1. ✘ (a), (b), (c) और (d)
- (a), (b) and (c)
- 2. ✘ (a), (b) और (c)
- (a) and (d)
- 3. ✘ (a) और (d)
- (d) only
- 4. ✔ केवल (d)

**Question Number : 23 Question Id : 50939814745 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 : Yes**

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

Question Label : Multiple Choice Question

One-way ANOVA is used to :

एक-तरफा एनोवा का उपयोग किया जाता है :

**Options :**



Determine whether there is any statistically significant difference between the means of single independent group before and after intervention

यह निर्धारित करता है कि क्या एक स्वतंत्र समूह में हस्तक्षेप के पहले और बाद के माध्य (mean) के बीच कोई सांख्यिकीय महत्वपूर्ण अंतर है

1. ✖

Determine whether there are any statistically significant differences between the medians of two or more independent groups

यह निर्धारित करता है कि क्या दो या अधिक स्वतंत्र समूहों के मध्यस्थों के बीच कोई सांख्यिकीय महत्वपूर्ण अंतर है

2. ✖

Determine whether there are any statistically significant differences between the means of two or more independent/unrelated groups

यह निर्धारित करता है कि क्या दो या अधिक स्वतंत्र/असंबंधित समूहों के माध्य (mean) के बीच कोई सांख्यिकीय महत्वपूर्ण अंतर है या नहीं

3. ✔

Determine whether there are any statistically significant differences between the squared means of two or more independent group

निर्धारित करता है कि क्या दो या अधिक स्वतंत्र समूहों के वर्ग माध्य (squared mean) के बीच कोई सांख्यिकीय महत्वपूर्ण अंतर है या नहीं

4. ✖

**Question Number : 24 Question Id : 50939814746 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 : Yes**

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

Question Label : Multiple Choice Question

Which of the following principles of experimental design have been enumerated by Professor R. A. Fisher ?

प्रायोगिक डिजाइन के निम्नलिखित सिद्धान्तों में से कौन-कौन से सिद्धान्त प्रोफेसर आर० ए० फिशर द्वारा गिनाए गए हैं ?

- (a) Principle of Revision  
संशोधन का सिद्धान्त
- (b) Principle of Replication  
प्रतिकृति का सिद्धान्त
- (c) Principle of Randomization  
यादृच्छिकीकरण का सिद्धान्त
- (d) Principle of Local Control  
स्थानीय नियंत्रण का सिद्धान्त

Choose the correct answer from the codes given below :

नीचे दिए गए कोड में से सही उत्तर चुनें :

**Options :**



(a), (b) and (c)  
(a), (b) और (c)

1. ✖

(a), (b) and (d)  
(a), (b) और (d)

2. ✖

(b) (c) and (d)  
(b) (c) और (d)

3. ✔

(a), (c) and (d)  
(a), (c) और (d)

4. ✖

**Question Number : 25 Question Id : 50939814747 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 : Yes**

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

Question Label : Multiple Choice Question

Read the statements A and B and choose the correct option :

कथन A और B पढ़ें और सही विकल्प चुनें :

Statement A : Exploratory research studies are also termed as formulative research studies.

कथन A : अन्वेषणात्मक शोध अध्ययनों को प्रारंभिक शोध अध्ययन भी कहा जाता है।

Statement B : Exploratory research study is undertaken with the objective either to explore an area where little is known or to investigate the possibilities of undertaking a particular research study.

कथन B : अन्वेषणात्मक शोध अध्ययन का उद्देश्य किसी ऐसे विषय में शोध करना जिसके बारे में बेहद कम जानकारी उपलब्ध हो या किसी खास विषय के बारे में शोध अध्ययन करने की संभावनाओं का पता लगाना होता है।

**Options :**

Both the statements are true.

1. ✔ दोनों कथन सत्य हैं।

Both the statements are false.

2. ✖ दोनों कथन असत्य हैं।

Statement A is true but B is false.

3. ✖ कथन A सत्य है लेकिन B गलत है।

Statement B is true but A is false.

4. ✖ कथन B सत्य है लेकिन A गलत है।

**Question Number : 26 Question Id : 50939814748 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 : Yes**

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

Question Label : Multiple Choice Question

Which of the following are the online anti-plagiarism software ?

निम्नलिखित में से कौन-से ऑनलाइन एंटी-प्लेजिअरिज्म सॉफ्टवेयर हैं :

- (a) Urkund  
उरकुंड
- (b) Overleaf  
ओवरलीफ
- (c) Turnitin  
टर्निटिन
- (d) Viper  
वाईपर

Choose the correct answer from the codes given below :

नीचे दिए गए कोड में से सही उत्तर चुनें :

**Options :**

- (a), (b) and (c)
- 1. ✘ (a), (b) और (c)
- (a), (b) and (d)
- 2. ✘ (a), (b) और (d)
- (a), (c) and (d)
- 3. ✔ (a), (c) और (d)
- (a) and (c)
- 4. ✘ (a) और (c)

**Question Number : 27 Question Id : 50939814749 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 : Yes**

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

Question Label : Multiple Choice Question

Whether a test is one-sided or two-sided depends on :

क्या एक परीक्षण एकतरफा है या दो तरफा है :

**Options :**

1. ✓ alternative hypothesis  
वैकल्पिक परिकल्पना
2. ✘ null and alternate both  
शून्य और वैकल्पिक दोनों
3. ✘ null hypothesis  
अशक्त परिकल्पना
4. ✘ either by null or by alternate  
या तो शून्य या वैकल्पिक द्वारा

**Question Number : 28 Question Id : 50939814750 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 : Yes Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Which measure of dispersion do not depends on all observations ?  
फेलाव का कौन सा माप सभी अवलोकनों पर निर्भर नहीं करता है ?

**Options :**

1. ✘ Root mean & square deviation  
मूल माध्य और वर्ग विचलन
2. ✘ Mean deviation  
माध्य विचलन
3. ✓ Quartile deviation  
चतुर्थक विचलन
4. ✘ Standard deviation  
मानक विचलन

**Question Number : 29 Question Id : 50939814751 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 : Yes Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

If  $r$  is the simple correlation coefficient, the quantity  $r^2$  is termed as :

यदि  $r$  सरल सहसंबंध गुणांक है, तो मात्र  $r^2$  को निम्न के रूप में कहा जाता है :

**Options :**

1. ✘ Coefficient of alienation  
परकीयकरण का गुणांक
2. ✘ Coefficient of variation  
भिन्नता का गुणांक
3. ✔ Coefficient of determination  
दृढ़ संकल्प का गुणांक
4. ✘ Coefficient of non-determination  
गैर-निर्धारण का गुणांक

**Question Number : 30 Question Id : 50939814752 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 : Yes**

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

Question Label : Multiple Choice Question

A Scattergram is extremely effective :

एक स्कैटरग्राम अत्यंत प्रभावी है :

**Options :**

1. ✔ to show visually how two variables are covering  
नेत्रहीन दिखाने के लिए कि दो चर कैसे ढकते हैं
2. ✘ in organising the scattered footnotes of the research.  
शोध के बिखरे पांवों को व्यवस्थित करने में।
3. ✘ in organising the scattered bibliography of the research.  
शोध की बिखरी हुई ग्रंथ सूची के आयोजन में।
4. ✘ in organising the scattered results drawn after the rigorous literature review.  
कठोर साहित्य समीक्षा के बाद निकाले गए बिखरे परिणामों को व्यवस्थित करने में।

**Question Number : 31 Question Id : 50939814753 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 : Yes**

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

Question Label : Multiple Choice Question

The conclusions/findings of which type of research can *not* be generalized to other situations ?

किस प्रकार के शोध के निष्कर्ष को दूसरी परिस्थितियों में सामान्यीकृत **नहीं** किया जा सकता है ?

Options :

1. ✘ Casual Comparative Research  
कारणात्मक तुलनात्मक शोध

2. ✘ Historical Research  
ऐतिहासिक शोध

3. ✔ Descriptive Research  
विवरणात्मक शोध

4. ✘ Experimental Research  
प्रायोगिक शोध

Question Number : 32 Question Id : 50939814754 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 : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which one is called non-probability sampling ?

निम्नलिखित में से कौन गैर-प्रायिकता प्रतिचयन कहा जाता है ?

Options :

1. ✔ Quota sampling  
कोटा प्रतिचयन

2. ✘ Cluster sampling  
गुच्छ प्रतिचयन

3. ✘ Systematic sampling  
सुनियोजित/व्यवस्थित प्रतिचयन

4. ✘ Stratified random sampling  
स्तरित यादृच्छिक प्रतिचयन

**Question Number : 33 Question Id : 50939814755 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 : Yes**

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

Question Label : Multiple Choice Question

In an experimental design, the dependent variable is :  
एक प्रयोगात्मक प्रारूप में निर्भर चर वो होता है जिसे/जिसमें :

**Options :**

The one that is not manipulated and in which any changes are observed  
कोई परिवर्तन/छेड़छाड़ नहीं की जाती और जिसमें होने वाले परिवर्तन की समीक्षा की जाती है।  
1. ✓

The one that is manipulated in order to observe any effects on the other  
परिवर्तन किया जाता है जिससे दूसरों में होने वाले परिवर्तन की समीक्षा की जाए।  
2. ✖

A measure of the extent to which personal values affect research  
किस प्रकार व्यक्तिगत मूल्य शोध को प्रभावित करते हैं उसके मापक के रूप में प्रयोग किया जाता है।  
3. ✖

An ambiguous concept whose meaning depends on how it is defined  
एक अस्पष्ट अवधारणा माना जा सकता है जिसका अर्थ इस पर निर्भर करता है कि उसे कैसे परिभाषित किया जाए।  
4. ✖

**Question Number : 34 Question Id : 50939814756 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 : Yes**

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

Question Label : Multiple Choice Question

When a group of people with defined characteristics are followed up to determine incidence is known as :

घटना को निर्धारित करने के लिए परिभाषित विशेषताओं वाले लोगों के समूह को निम्न प्रकार से जाना जाता है :

**Options :**

Case series  
केस सीरीज  
1. ✖

2. ✓ Cohort  
कोहोर्ट

3. ✘ Case control  
केस नियंत्रण

4. ✘ Experimental  
प्रायोगिक

**Question Number : 35 Question Id : 50939814757 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 : Yes**

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

Question Label : Multiple Choice Question

In the process of conducting research, formulation of hypothesis is followed by :  
अनुसंधान संचालन की प्रक्रिया में, उपकल्पना निर्माण का अनुसरण करता है :

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

**Options :**

Statement of objectives  
उद्देश्यों का कथन  
1.

Collection of data  
तथ्यों का संकलन  
2.

Analysis of data  
तथ्यों का विश्लेषण  
3.

Selection of research tools  
अनुसंधान यंत्रों का चयन  
4.

**Question Number : 36 Question Id : 50939814758 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 : Yes**

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

Question Label : Multiple Choice Question

Which of the following features are considered as critical in qualitative research ?  
निम्नलिखित में से कौन-सी विशेषताये गुणात्मक शोध के लिए महत्त्वपूर्ण मानी जाती हैं ?

**Options :**

1. ✘ Collecting data with the help of standardized research tools.  
मानकित शोध साधनों के के सहयोग से आंकड़ों का संग्रहण
2. ✘ Design sampling with probability sample techniques.  
प्रायिकता प्रतिचयन तकनीकों के प्रयोग द्वारा प्रतिचयन प्रारूप का निर्धारण
3. ✔ Collecting data with bottom-up empirical evidence.  
ऊर्ध्वगामी आनुभविक साक्ष्यों के प्रयोग से आंकड़ों का संग्रहण
4. ✘ Gathering data with top-down schematic evidence.  
शीर्ष-पाद योजनाबद्ध साक्ष्यों के प्रयोग से आंकड़ों का संग्रहण

**Question Number : 37 Question Id : 50939814759 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 : Yes**

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

Question Label : Multiple Choice Question

Among 25000 individual in a city, 105 were indentified with Covid-19 positive. Calculate the prevalence of Covid-19 per 1000 population.

एक शहर में 25000 व्यक्तियों में, 105 कोविड-19 सकारात्मक के साथ इडेंट किए गए थे। प्रति 1000 जनसंख्या पर कोविड-19 की व्यापकता की गणना करें।

**Options :**

1. ✘ 5.2
2. ✔ 4.2
3. ✘ 3.2
4. ✘ 2.2



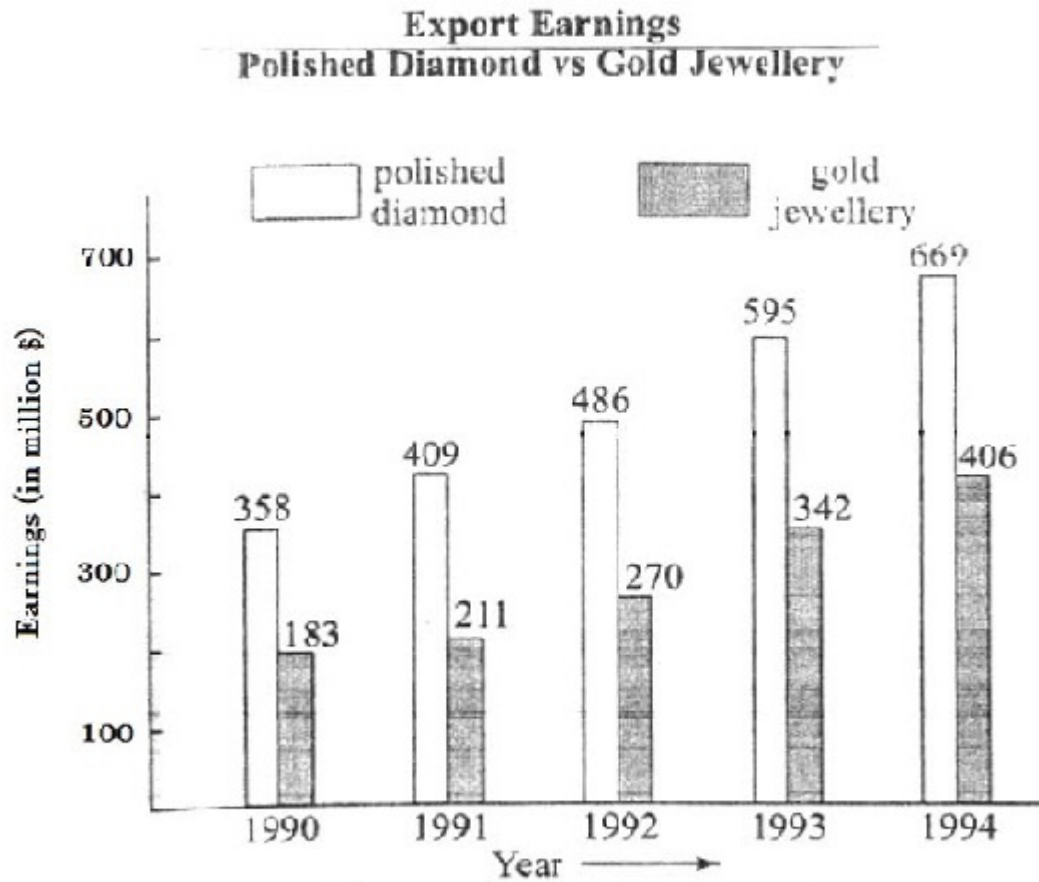
Question Number : 38 Question Id : 50939814760 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The following multiple bar chart shows the export earnings from polished diamonds and gold jewellery. Study the chart and answer the question :

निम्नलिखित बहु बार चार्ट पालिशड डीरे और सोने के आभूषणों से निर्यात आय को दर्शाता है। चार्ट का अध्ययन करें और दिए गए प्रश्न का उत्तर दें :



What was average earning from gold jewellery over 1990 to 1994 ?  
1990 से 1994 तक स्वर्ण आभूषण से औसत प्राप्ति क्या थी ?

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

Options :

- 503.4 Million
- 503.4 मिलियन

- 501.6 Million  
2. 501.6 मिलियन
- 500 Million  
3. 500 मिलियन
- 510 Million  
4. 510 मिलियन

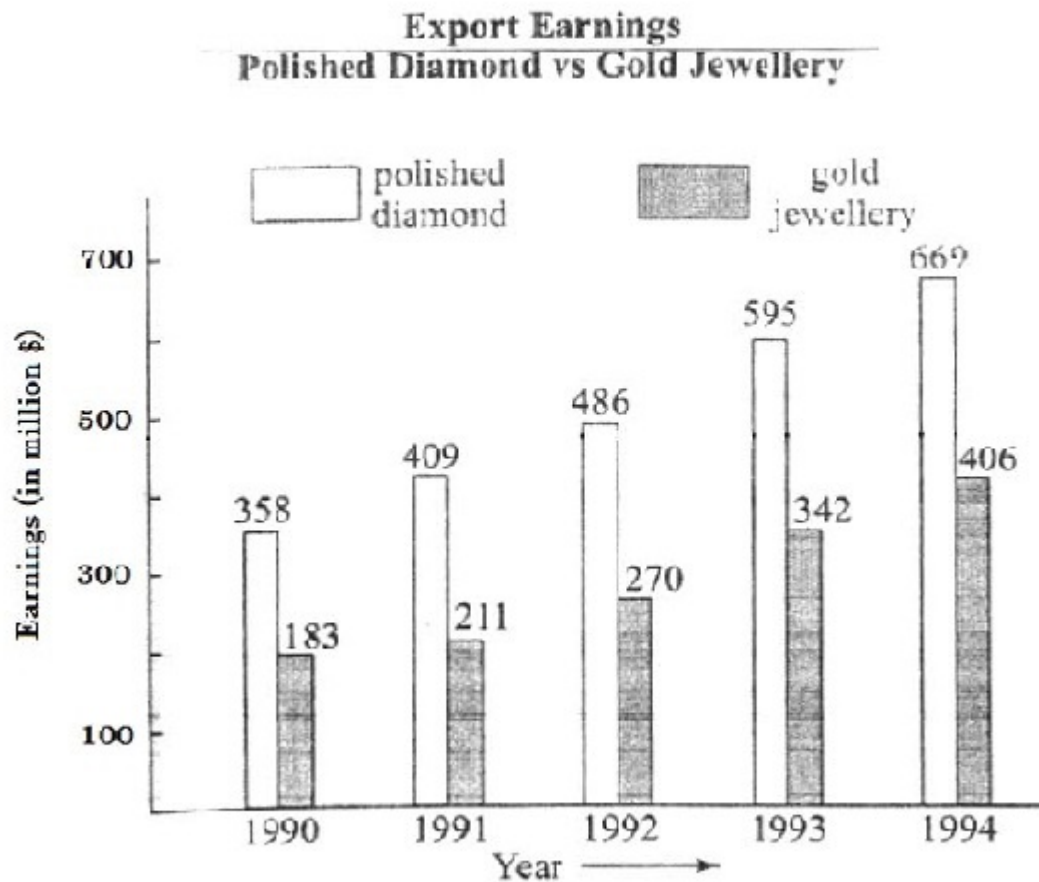
**Question Number : 39 Question Id : 50939814761 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes**

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

Question Label : Multiple Choice Question

The following multiple bar chart shows the export earnings from polished diamonds and gold jewellery. Study the chart and answer the question :

निम्नलिखित बहु बार चार्ट पालिशड हीरे और सोने के आभूषणों से निर्यात आय को दर्शाता है। चार्ट का अध्ययन करें और दिए गए प्रश्न का उत्तर दें :



In which year the difference of export earning of two types of jewellery is maximum ?  
किस वर्ष में दो आभूषणों के निर्यात प्राप्ति का अन्तर अधिकतम था ?

Options :

1. ✓ 1994

2. ✗ 1993

3. ✗ 1991

4. ✗ 1992

**Question Number : 40 Question Id : 50939814762 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 : Yes**

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

Question Label : Multiple Choice Question

*Directions :* Study the following table and answer the question given :

Production of different types of scooters in a company

*निर्देश :* निम्नलिखित तालिका का अध्ययन करें और दिए गए प्रश्न का उत्तर दें :  
एक कंपनी में विभिन्न प्रकार के स्कूटर का उत्पादन

Figures in '000

Year	Type of scooters				
	A	B	C	D	E
1992	180	60	84	100	76
1993	210	90	32	80	48
1994	135	30	44	95	85
1995	190	85	69	125	115
1996	260	95	120	80	120
1997	240	140	161	90	185

What was the approximate percentage of production of A-type scooters in 1995 to its total production over the years ?

1995 में A-टाइप के स्कूटरों के उत्पादन का अनुमानित प्रतिशत इसके कुल उत्पादन से कितना था ?

**Options :**

1. ✗ 20

2. ✓ 15

3. ✗ 23

## Subject\_&\_Area Concerned

Section Id :	509398189
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 :	509398216
Question Shuffling Allowed :	Yes

Question Number : 41 Question Id : 50939814763 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 : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

1 hectare m is equal to :

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

Options :

1.  $1.0^2$  cu.m

2.  $1.0^3$  cu.m

3.  $1.0^4$  cu.m

4.  $1.0^5$  cu.m

**Question Number : 42 Question Id : 50939814764 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 : Yes Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Width of border strip usually varies from :

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

**Options :**

1. 5-1.0 m
2. 3 -1.5 m
3. 1.0-5 m
4. 1.0- 20 m

**Question Number : 43 Question Id : 50939814765 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 : Yes Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Branch canal generally carry a discharge from :

**Options :**

1. ✘ 2-4 cu.m/s
2. ✔ 4-8.5 cu.m/s
3. ✘ 6-1.2 cu.m/s

4. ✘ 1.0-1.5 cu.m/s

**Question Number : 44 Question Id : 50939814766 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 : Yes**

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

Question Label : Multiple Choice Question

The take off valves in sprinkler irrigation systems are used to control pressure in :

Options :

1. ✘ Main line

2. ✔ Lateral line

3. ✘ Drippers

4. ✘ Fertigation unit

**Question Number : 45 Question Id : 50939814767 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 : Yes**

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

Question Label : Multiple Choice Question

The hydrostatic pressure of ground water at the lower end of the pipe is indicated by :

Options :

1. ✘ Observation well

2. ✘ Pressure gauge

3. ✔ Piezometer

4. ✘ None of the three

**Question Number : 46 Question Id : 50939814768 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 : Yes**

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

Question Label : Multiple Choice Question

Water horsepower of a centrifugal pump of 1.0 litres/sec capacity and 45 m total head will be :

Options :

1. ✘ 3.0 HP

2. ✘ 4.0 HP

3. ✘ 5.0 HP

4. ✔ 6.0 HP

**Question Number : 47 Question Id : 50939814769 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 : Yes**

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

Question Label : Multiple Choice Question

Pressure plate apparatus is used for the measurement of soil moisture tension up to :

Options :

1. ✘ 10 bars

2. ✔ 1.5 bars

3. ✘ 50 bars

4. ✘ 1.00 bars

**Question Number : 48 Question Id : 50939814770 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 : Yes**

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

Question Label : Multiple Choice Question

Total depth of irrigation to a crop is known as :

**Options :**

1. ✘ Base

2. ✘ Duty

3. ✔ Delta

4. ✘ Evapotranspiration

**Question Number : 49 Question Id : 50939814771 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 : Yes**

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

Question Label : Multiple Choice Question

If the electric conductivity of irrigation and drainage water is 0.2 mmhos/cm and 0.4 mmhos/cm respectively, the leaching requirements will be equal to :

**Options :**

1. ✘ 80%

2. ✔ 50%

3. ✘ 40%

4. ✘ 20%

**Question Number : 50 Question Id : 50939814772 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 : Yes**

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

Question Label : Multiple Choice Question



Leaching efficiency per unit of water is highest for :

Options :

1. ✘ Border irrigation
2. ✘ Basin irrigation
3. ✘ Furrow irrigation
4. ✔ Sprinkler irrigation

Question Number : 51 Question Id : 50939814773 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 : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Scientific name of Bermuda grass is :

Options :

1. ✔ *Cynodon dactylon*
2. ✘ *Echinochloa spp*
3. ✘ *Digitaria spp*
4. ✘ *Parthenium hystrophorus*

Question Number : 52 Question Id : 50939814774 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 : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Green Revolution has been most successful in :

Options :

1. ✘ Wheat and Potato
2. ✔ Wheat and Rice

3. ✖ Wheat and Barley

4. ✖ Wheat and Coffee

**Question Number : 53 Question Id : 50939814775 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 : Yes**

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

Question Label : Multiple Choice Question

CRIDA is located at :

Options :

1. ✖ Thane

2. ✖ Pune

3. ✔ Hyderabad

4. ✖ Ahmedabad

**Question Number : 54 Question Id : 50939814776 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 : Yes**

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

Question Label : Multiple Choice Question

The instrument used to measure humidity is :

Options :

1. ✖ Barometer

2. ✔ Hydrometer

3. ✖ Hygrometer

4. ✖ Altimeter

**Question Number : 55 Question Id : 50939814777 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 : Yes**

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

Question Label : Multiple Choice Question

Short duration crop in between two main crops is termed as :

Options :

1. ✘ Cash crop
2. ✔ Catch crop
3. ✘ Relay cropping
4. ✘ Companion crop

**Question Number : 56 Question Id : 50939814778 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 : Yes**

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

Question Label : Multiple Choice Question

Seed rate of direct seeded rice for irrigated condition is :

Options :

1. ✔ 30-40 kg/ha
2. ✘ 80-90 kg/ha
3. ✘ 90-1.00 kg/ha
4. ✘ 60-70 kg/ha

**Question Number : 57 Question Id : 50939814779 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 : Yes**

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

Question Label : Multiple Choice Question

Blast disease of rice is caused by :

Options :

1. ✘ Bacteria
2. ✘ Virus
3. ✔ Fungal
4. ✘ Nematode

Question Number : 58 Question Id : 50939814780 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 : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which among the following is non selective systemic herbicide ?

Options :

1. ✘ Bispyribac
2. ✘ Paraquat
3. ✘ Fluchloralin
4. ✔ Glyphosat

Question Number : 59 Question Id : 50939814781 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 : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Crown root initiation stage in dwarf wheat is at :

Options :

1. ✘ 15-20 DAS
2. ✘ 20-25 DAS

3. ✘ 25-30 DAS

4. ✔ 30-35 DAS

**Question Number : 60 Question Id : 50939814782 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 : Yes**

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

Question Label : Multiple Choice Question

International Water Management Institute is located at :

Options :

1. ✘ Manila

2. ✘ Bangkok

3. ✘ Kyoto

4. ✔ Colombo

**Question Number : 61 Question Id : 50939814783 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 : Yes**

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

Question Label : Multiple Choice Question

Crop water use efficiency is refers to :

Options :

1. ✘ Y/WR

2. ✔ Y/ET

3. ✘ DM/E

4. ✘ DM/T

**Question Number : 62 Question Id : 50939814784 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 : Yes**

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

Question Label : Multiple Choice Question

Annual average PET of India is :

Options :

1. ✘ 1195 mm
2. ✔ 1770 mm
3. ✘ 850 mm
4. ✘ 2530 mm

**Question Number : 63 Question Id : 50939814785 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 : Yes**

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

Question Label : Multiple Choice Question

The green water refers to :

Options :

1. ✘ Water in reservoirs
2. ✘ The waste water from kitchen and wash root
3. ✘ Sewage and industrial waste water
4. ✔ Water in soil moistur

**Question Number : 64 Question Id : 50939814786 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 : Yes**

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

Question Label : Multiple Choice Question

Water requirement of wheat ranges from :

Options :

1. ✘ 100-200 mm
2. ✘ 200-400 mm
3. ✔ 400-600 mm
4. ✘ 600-800 mm

Question Number : 65 Question Id : 50939814787 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 : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which one is the submergence tolerant rice variety ?

Options :

1. ✘ IR64
2. ✔ Swarna Sub I
3. ✘ BPT 5204
4. ✘ Sarajjoo 52

Question Number : 66 Question Id : 50939814788 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 : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Percent fresh water available for human consumption on earth is :

Options :

1. ✘ 10
2. ✔ 1



3. ✘ 5

4. ✘ 0.1

**Question Number : 67 Question Id : 50939814789 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 : Yes Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

In stratosphere temperature ( $^{\circ}\text{C}$ ) ranges between :

Options :

1. ✘ 2 to 56

2. ✘ 0 to 56

3. ✘ -2 to 56

4. ✔ -56 to -02

**Question Number : 68 Question Id : 50939814790 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 : Yes Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Which atmospheric gas has maximum contribution in GHG emission ?

Options :

1. ✘  $\text{N}_2\text{O}$

2. ✘  $\text{CH}_4$

3. ✔  $\text{CO}_2$

4. ✘  $\text{O}_3$



Question Number : 69 Question Id : 50939814791 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 : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which one is *not* an ozone depleting substance ?

Options :

1. ✓ CH<sub>3</sub>OH
2. ✗ CH<sub>3</sub>Br
3. ✗ CCl<sub>4</sub>
4. ✗ C<sub>2</sub>F<sub>4</sub>

Question Number : 70 Question Id : 50939814792 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 : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

'Acid Rain' phenomenon was first noticed in :

Options :

1. ✗ North America
2. ✓ Europe
3. ✗ Africa
4. ✗ Asia

Question Number : 71 Question Id : 50939814793 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 : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which gas is *not* a pungent smelling ?

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

Options :

1. CO<sub>2</sub>
2. NH<sub>3</sub>
3. Cl<sub>2</sub>
4. CO<sub>2</sub>

Question Number : 72 Question Id : 50939814794 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 : Yes Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Extremely poisonous toxic element for human is :

Options :

1. ✘ Mo
2. ✔ Cd
3. ✘ Ni
4. ✘ Pb

Question Number : 73 Question Id : 50939814795 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 : Yes Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The indicator used for BOD determination in surface water is :

**Options :**

1. ✓ Starch
2. ✗ Diphenylamine
3. ✗ Methyl red
4. ✗ EBT

**Question Number : 74 Question Id : 50939814796 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 : Yes Correct Marks : 3 Wrong Marks : 1**

Question Label : Multiple Choice Question

Highest pollutant from industrial effluent is :

**Options :**

1. ✗ Paper industries
2. ✗ Distillery industries
3. ✗ Fruit processing industries
4. ✓ Tannery industries

**Question Number : 75 Question Id : 50939814797 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 : Yes**

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

Question Label : Multiple Choice Question

Most commonly used enzyme as a biosensor for pollution monitoring in environment is :

**Options :**

1. ✗ Phosphatase
2. ✗ Catalase

3. ✓ Acetyl choline esterase

4. ✘ Dehydrogenase

Question Number : 76 Question Id : 50939814798 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 : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Most commonly used plant for phytoremediation of heavy metals is :

Options :

1. ✘ *Oryza sativa*

2. ✓ *Veteveria ziznioides*

3. ✘ *Phaseolus vulgaris*

4. ✘ *Solanum tuberosum*

Question Number : 77 Question Id : 50939814799 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 : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which is *not* an environmental related agency/issues/programme ?

Options :

1. ✘ IPCC

2. ✘ EPA

3. ✘ GLOBE

4. ✓ NMW

**Question Number : 78 Question Id : 50939814800 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 : Yes**

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

Question Label : Multiple Choice Question

Which one is non-metal pollution causing disease for human ?

Options :

1. ✘ Minamata disease
2. ✘ Itai-Itai disease
3. ✔ Methamoglobenaemia disease
4. ✘ Keratosis skin disease

**Question Number : 79 Question Id : 50939814801 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 : Yes**

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

Question Label : Multiple Choice Question

Phosphorus in soil move mainly through :

Options :

1. ✘ Mass flow
2. ✔ Diffusion
3. ✘ Osmotic movement
4. ✘ Hydrodynamic dispersion

**Question Number : 80 Question Id : 50939814802 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 : Yes**

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

Question Label : Multiple Choice Question

Rise of liquid in a capillary tube is directly proportion to the :

Options :

1. ✘ Tube diameter
2. ✘ Density of liquid
3. ✔ Surface tension of liquid
4. ✘ Force of gravity

Question Number : 81 Question Id : 50939814803 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 : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The concept of liquid mobility was introduced by :

Options :

1. ✘ Jackson
2. ✘ Ramamoorthy
3. ✘ Black
4. ✔ Bray

Question Number : 82 Question Id : 50939814804 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 : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following cation is known for deflocculating soil particles ?

Options :

1. ✘  $\text{Ca}^{++}$
2. ✘  $\text{Mg}^{++}$

3. ✓ Na<sup>+</sup>

4. ✗ K<sup>+</sup>

**Question Number : 83 Question Id : 50939814805 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 : Yes**

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

Question Label : Multiple Choice Question

Yoder apparatus is used for determination of :

Options :

1. ✗ Soil texture

2. ✗ Wilting point

3. ✗ Bulk density

4. ✓ Aggregate stability

**Question Number : 84 Question Id : 50939814806 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 : Yes**

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

Question Label : Multiple Choice Question

Calculate the percentage pore space in a soil with a bulk density of 1.4 Mg/m<sup>3</sup> and particle density of 2.6 Mg/m<sup>3</sup> :

Options :

1. ✗ 44.15

2. ✗ 45.15

3. ✓ 46.15

4. ✗ 47.15



**Question Number : 85 Question Id : 50939814807 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 : Yes**

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

Question Label : Multiple Choice Question

The matric suction/potential at the field capacity of the soil is :

Options :

1. ✓ 0.33 bar

2. ✗ 2 bar

3. ✗ 15 bar

4. ✗ 31 bar

**Question Number : 86 Question Id : 50939814808 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 : Yes**

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

Question Label : Multiple Choice Question

The law of relationship of the flux of nutrients movement with respect to concentration gradient is known as :

Options :

1. ✗ Fourier's law

2. ✓ Frick's law

3. ✗ Darey's law

4. ✗ Ohm's law

**Question Number : 87 Question Id : 50939814809 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 : Yes**

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

Question Label : Multiple Choice Question

One peta gram (Pg) carbon is equal to :

**Options :**

1. ✘  $10^9$  g carbon
2. ✘  $10^{1.2}$  g carbon
3. ✔  $10^{1.5}$  g carbon
4. ✘  $10^{20}$  g carbon

**Question Number : 88 Question Id : 50939814810 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 : Yes**

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

Question Label : Multiple Choice Question

The matric suction which can be created by using pressure plate apparatus is :

**Options :**

1. ✔ Less than 10kPa
2. ✘ Between 10-30kPa
3. ✘ Between 30-100kPa
4. ✘ More than 100kPa

**Question Number : 89 Question Id : 50939814811 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 : Yes**

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

Question Label : Multiple Choice Question

The porosity of a soil mass is 32%. What is its void ratio in percentage ?

**Options :**

1. ✖ 52.38
2. ✖ 68.90
3. ✔ 47.28
4. ✖ 72.80

**Question Number : 90 Question Id : 50939814812 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 : Yes**

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

Question Label : Multiple Choice Question

When the sudden acceleration due to gravity is reduced to half, the nutrient and water rise in capillary become ?

**Options :**

1. ✖ Half
2. ✔ Doubled
3. ✖ zero
4. ✖ Remain same

**Question Number : 91 Question Id : 50939814813 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 : Yes**

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

Question Label : Multiple Choice Question

Rainfall used to meet crop water requirement is called :

**Options :**

1. ✔ Effective rainfall

2. ✘ Normal rainfall
3. ✘ Probable rainfall
4. ✘ Ineffective rainfall

**Question Number : 92 Question Id : 50939814814 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 : Yes**

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

Question Label : Multiple Choice Question

Tensiometer operates only up to :

**Options :**

1. ✘ 1.0 bar
2. ✘ 1.5 bar
3. ✘ 2.0 bar
4. ✔ 0.85 bar

**Question Number : 93 Question Id : 50939814815 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 : Yes**

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

Question Label : Multiple Choice Question

A conduit in which liquid flows with free surface is ?

**Options :**

1. ✘ Conduit flow
2. ✔ Open channel flow
3. ✘ Pipe flow
4. ✘ Pressurized flow

**Question Number : 94 Question Id : 50939814816 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 : Yes**

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

Question Label : Multiple Choice Question

Amount of water used in plant metabolic process is :

**Options :**

1. ✘ 2-5% of ET
2. ✔ Less than 1% of ET
3. ✘ About 1.0% of ET
4. ✘ Zero

**Question Number : 95 Question Id : 50939814817 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 : Yes**

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

Question Label : Multiple Choice Question

Most efficient cross section from hydraulic point of view is :

**Options :**

1. ✔ Semi circular
2. ✘ Parabolic
3. ✘ Trapezoidal
4. ✘ Triangular

**Question Number : 96 Question Id : 50939814818 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 : Yes**

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

Question Label : Multiple Choice Question

Drainage coefficient is the depth of water to be removed from an area in a period of :

Options :

1. ✘ 1 hour
2. ✔ 24 hours
3. ✘ 48 hours
4. ✘ 36 hours

**Question Number : 97 Question Id : 50939814819 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 : Yes**

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

Question Label : Multiple Choice Question

Practically the suction lift of a centrifugal pump is :

Options :

1. ✔ < 10 m
2. ✘ 15 m
3. ✘ 20 m
4. ✘ 25 mm

**Question Number : 98 Question Id : 50939814820 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 : Yes**

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

Question Label : Multiple Choice Question

8 g of sodium chloride is dissolved in 2 litres of water, the salt concentration in ppm is :

Options :

1. ✘ 8000

2. ✓ 4000

3. ✘ 2000

4. ✘ 16000

**Question Number : 99 Question Id : 50939814821 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 : Yes**

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

Question Label : Multiple Choice Question

In bio-drainage the commonly used vegetation is :

**Options :**

1. ✘ Mango

2. ✘ Guava

3. ✘ Citrus

4. ✓ Eucalyptus

**Question Number : 100 Question Id : 50939814822 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 : Yes**

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

Question Label : Multiple Choice Question

Maximum rate of water application to be applied in sprinkler system should be based on :

**Options :**

1. ✓ Infiltration rate of the soil

2. ✘ Hydraulic conductivity of the soil

3. ✘ Soil texture

4. ✘ Soil structure

