

# 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>                   | 635 11th April 2021 Shift 2 |
| <b>Subject Name :</b>                          | 635                         |
| <b>Creation Date :</b>                         | 2021-04-11 19:03:28         |
| <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\_Cardiology

|                                 |           |
|---------------------------------|-----------|
| <b>Group Number :</b>           | 1         |
| <b>Group Id :</b>               | 509398115 |
| <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 : 509398168

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 : 509398195

Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 50939813723 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 : 50939813724 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 : 50939813725 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 : 50939813726 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 : 50939813727 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 : 50939813728 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 : 50939813729 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 : 50939813730 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  
पद-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 : 50939813731 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 : 50939813732 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 :**

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

**Question Number : 11 Question Id : 50939813733 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 :**

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



Question Number : 12 Question Id : 50939813734 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 : 50939813735 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 : 50939813736 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 : 50939813737 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 : 50939813738 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

रेप्लीकेशन, रैन्डमाइजेशन एवं सब्स्टीट्यूशन

1. ✖

Replication, randomization, and local control

रेप्लीकेशन, रैन्डमाइजेशन एवं लोकल कंट्रोल

2. ✔

Substitution, replication and local control

3. ✖ सबस्टीट्यूशन, रेप्लीकेशन एवं लोकल कंट्रोल

Substitution, randomization and local control

4. ✖ सबस्टीट्यूशन, रैन्डमाइजेशन एवं लोकल कंट्रोल

**Question Number : 17 Question Id : 50939813739 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 :**

Simple t-test

1. ✖ साधारण टी-परीक्षण

Chi square test

2. ✖ काई स्क्वायर परीक्षण

F-test

3. ✔ एफ-परीक्षण

Paired sample t-test

4. ✖ युग्मित सैम्पल टी-टेस्ट

**Question Number : 18 Question Id : 50939813740 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 : 50939813741 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 अरेखीय 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 : 50939813742 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 : 50939813743 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 : 50939813744 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 लिंग्विस्टिक एसोसिएशन
- (C) Oxford Standard for the Citation of Language Association  
ऑक्सफोर्ड स्टैंडर्ड 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 : 50939813745 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 : 50939813746 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 : 50939813747 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 : 50939813748 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-प्लेजिरिज्म सॉफ्टवेयर हैं :

- (a) Urkund  
उरकुंड
- (b) Overleaf  
ओवरलीफ
- (c) Turnitin  
टर्नितिन
- (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 : 50939813749 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 :**

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

**Question Number : 28 Question Id : 50939813750 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 ?

फैलाव का कौन सा माप सभी अवलोकनों पर निर्भर नहीं करता है ?

**Options :**

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

**Question Number : 29 Question Id : 50939813751 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 : 50939813752 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 : 50939813753 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 : 50939813754 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 : 50939813755 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 : 50939813756 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 : 50939813757 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 : 50939813758 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 विशेषतायें गुणात्मक शोध के लिए महत्वपूर्ण मानी जाती हैं ?

**Options :**

Collecting data with the help of standardized research tools.

1. ✖ मानकित शोध साधनों के के सहयोग से आंकड़ों का संग्रहण

Design sampling with probability sample techniques.

2. ✖ प्रायिकता प्रतिचयन तकनीकों के प्रयोग द्वारा प्रतिचयन प्रारूप का निर्धारण

Collecting data with bottom-up empirical evidence.

3. ✔ ऊर्ध्वगामी आनुभविक साक्ष्यों के प्रयोग से आंकड़ों का संग्रहण

Gathering data with top-down schematic evidence.

4. ✖ शीर्ष-पाद योजनाबद्ध साक्ष्यों के प्रयोग से आंकड़ों का संग्रहण

**Question Number : 37 Question Id : 50939813759 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 identified 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



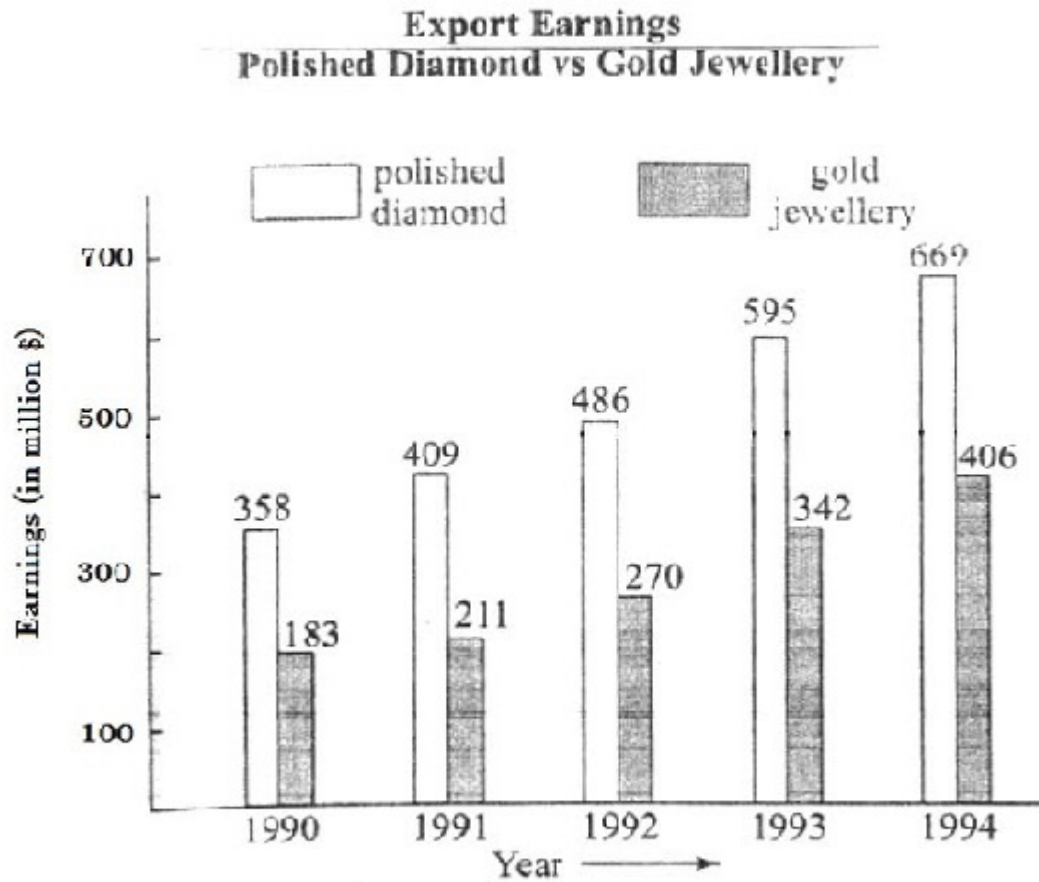
Question Number : 38 Question Id : 50939813760 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval 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 :



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  
1. 503.4 मिलियन

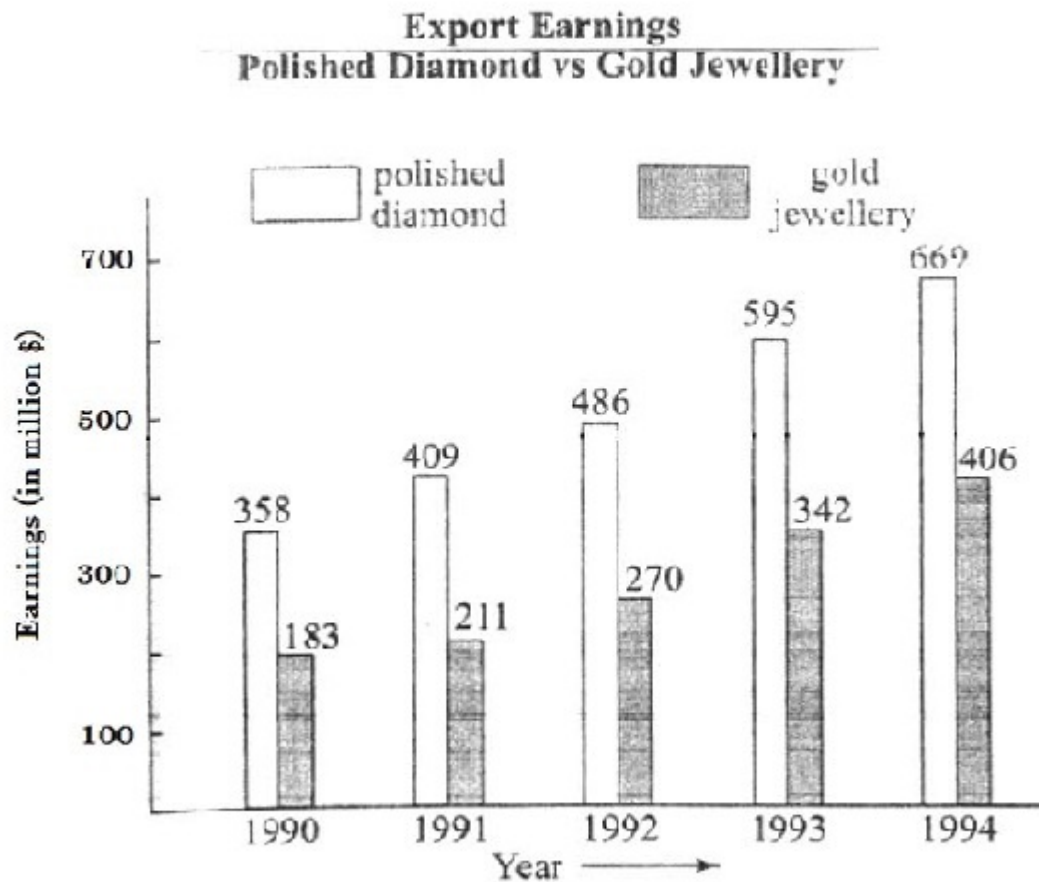
- 501.6 Million  
2. 501.6 मिलियन
- 500 Million  
3. 500 मिलियन
- 510 Million  
4. 510 मिलियन

**Question Number : 39 Question Id : 50939813761 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 : 50939813762 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 :                                                 | 509398169 |
| 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 :                                             | 509398196 |
| Question Shuffling Allowed :                                 | Yes       |

**Question Number : 41 Question Id : 50939813763 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 CHADS<sub>2</sub> score is used for risk stratification for embolic events in patients with atrial fibrillation. It is comprised of which of the following factors ?

Options :

1. ✔ Recent CHF, hypertension, age > 75 years, diabetes mellitus, history of stroke or TIA.
2. ✖ Recent MI, age > 76 years, history of stroke or TIA, or hypertension.
3. ✖ Recent CHF, female gender, diabetes mellitus, history of stroke or TIA, or hypertension.
4. ✖ History of stroke or TIA, recent MI, recent stroke, or age > 80 years.

**Question Number : 42 Question Id : 50939813764 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* an endothelial derived vasodilator ?

Options :

1. ✖ Nitric oxide
2. ✔ Thromboxane A<sub>2</sub>
3. ✖ Prostacyclin
4. ✖ Prostaglandin I<sub>2</sub>

Question Number : 43 Question Id : 50939813765 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 lesions that constitute tetralogy of fallot( TOF) include all of the following except :

Options :

1. ✖ ventricular septal defect
2. ✖ an overriding of aorta
3. ✖ right ventricular outflow obstruction
4. ✔ atrial septal defect

Question Number : 44 Question Id : 50939813766 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 mismatched ?

Options :

1. ✖ Trisomy 21 and atrioventricular canal defect
2. ✖ Holt oram syndrome and ASD
3. ✖ Noonan syndrome and pulmonary stenosis
4. ✔ William syndrome and VSD

Question Number : 45 Question Id : 50939813767 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 sinus venosus ASD is associated commonly with :

Options :

1. ✖ Coarctation of aorta
2. ✖ Marfan syndrome
3. ✔ Partial anomalous pulmonary venous connection
4. ✖ Tetralogy of fallot

Question Number : 46 Question Id : 50939813768 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 77 year old female has paroxysmal AF, treated hypertension on medication, COPD, and treated hypothyroidism. An appropriate anticoagulation strategy would be :

Options :

1. ✖ aspirin 81 mg



2. ✖ aspirin 325 mg
3. ✖ warfarin for an INR 2.5 to 3.5
4. ✔ warfarin for an INR 2.0 to 3.0

**Question Number : 47 Question Id : 50939813769 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 structure is *not* found in the right atrium ?

**Options :**

1. ✖ Tendon of todaro
2. ✖ Koch triangle
3. ✔ Moderator band
4. ✖ Pectinate muscle

**Question Number : 48 Question Id : 50939813770 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 statement about cardiac valves is *false* ?

**Options :**

1. ✖ 1-2% of aortic valves are bicuspid
2. ✔ The aortic valve normally leaks a small amount
3. ✖ The pulmonary valve is the most anterior heart valve

4. ✖ Approximately 100 chordae are attached to mitral valve

**Question Number : 49 Question Id : 50939813771 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 causes of infective endocarditis require serological testing than blood culture for definitive diagnosis ?

**Options :**

1. ✖ Streptococcus viridians

2. ✖ Streptococcus bovis

3. ✖ HACEK organism

4. ✔ Coxiella burnetti

**Question Number : 50 Question Id : 50939813772 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

Criteria to diagnose metabolic syndrome is all except :

**Options :**

1. ✖ Fasting blood sugar >100 mg/dl

2. ✖ Undergoing treatment for hypertension

3. ✔ Having BMI > 30

4. ✖ Triglycerides > 150 mg/dl

**Question Number : 51 Question Id : 50939813773 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* included in differential diagnosis of ST elevation in ECG ?

**Options :**

1. ☒ Hypokalemia
2. ☐ Left ventricular aneurysm
3. ☐ Pericarditis
4. ☐ Left ventricular hypertrophy

**Question Number : 52 Question Id : 50939813774 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 fibrinolytic agent with least incidence of intra cranial haemorrhage is :

**Options :**

1. ☐ Alteplase
2. ☒ Streptokinase
3. ☐ Tenecteplase
4. ☐ Reteplase

**Question Number : 53 Question Id : 50939813775 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

JVP in cardiac tamponade reveals :

**Options :**

1. ☒ Prominent X descent and absent Y descent
2. ☐ Prominent X descent and prominent Y descent
3. ☐ Blunted X descent and prominent Y descent
4. ☐ Blunted X descent and absent Y descent

**Question Number : 54 Question Id : 50939813776 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 common cause of constrictive pericarditis in India :

Options :

1. ☐ idiopathic or viral
2. ☐ previous cardiac surgery
3. ☒ tuberculosis
4. ☐ radiation

**Question Number : 55 Question Id : 50939813777 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

Intensity of the following murmur decreases with hand grip exercise :

Options :

1. ☐ Mitral regurgitation
2. ☐ Ventricular Septal Defect
3. ☐ Aortic regurgitation

4.  HOCM

**Question Number : 56 Question Id : 50939813778 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

Leftward 'P' wave axis in ASD is suggestive of :

Options :

1.  Ostium primum ASD
2.  ASD with septal aneurysm
3.  IVC type of ASD
4.  Sinus venosus ASD

**Question Number : 57 Question Id : 50939813779 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 drug's intake during pregnancy is associated with Ebstein anomaly in baby ?

Options :

1.  Ethanol
2.  Valproic acid
3.  Lithium
4.  Thalidomide

**Question Number : 58 Question Id : 50939813780 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 which Eisenmenger syndrome, cardiomegaly is noted ?

Options :

1. ✓ ASD
2. ✗ VSD
3. ✗ PDA
4. ✗ AP Window

**Question Number : 59 Question Id : 50939813781 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

"Figure of eight" appearance in chest x-ray is typically seen in :

Options :

1. ✓ TAPVC
2. ✗ Tricuspid atresia
3. ✗ TGA
4. ✗ Truncus arteriosus

**Question Number : 60 Question Id : 50939813782 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

Cardiovascular disorders often present acutely, as in a previously asymptomatic person whose first clinical manifestation is syncope or even sudden death is not seen in following condition ?

Options :

1. ✖ Acute myocardial infarction
2. ✖ Hypertrophic cardiomyopathy
3. ✖ Prolonged QT syndrome
4. ✔ Pulmonary stenosis

Question Number : 61 Question Id : 50939813783 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 statement of Less than ordinary activity causes symptoms in New York Heart Association Functional Classification falls into which class ?

Options :

1. ✖ NYHA I
2. ✖ NYHA II
3. ✔ NYHA III
4. ✖ NYHA IV

Question Number : 62 Question Id : 50939813784 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

Differential cyanosis is seen in a patient with a :

Options :

1. ☒ Large patent ductus arteriosus (PDA) and secondary pulmonary hypertension
2. ☐ Large ventricular septal defect with secondary pulmonary hypertension
3. ☐ Large atrial septal defect with secondary pulmonary hypertension
4. ☐ Idiopathic Severe Pulmonary hypertension

**Question Number : 63 Question Id : 50939813785 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

Malar telangiectasias are seen in patients :

**Options :**

1. ☐ Advanced Pulmonary stenosis
2. ☐ Advanced Aortic stenosis
3. ☐ Advanced Tricuspid stenosis
4. ☒ Advanced Mitral stenosis

**Question Number : 64 Question Id : 50939813786 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

Following cardiac lesion is typically seen in ankylosing spondylitis :

**Options :**

1. ☐ aortic stenosis
2. ☒ aortic regurgitation
3. ☐ mitral stenosis

4. ✖ mitral regurgitation

**Question Number : 65 Question Id : 50939813787 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

Sinus tachycardia with S1Q3T3 is typically seen in :

Options :

1. ✖ acute rheumatic fever
2. ✖ acute pericarditis
3. ✖ acute myocarditis
4. ✔ acute pulmonary embolism

**Question Number : 66 Question Id : 50939813788 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

Reversed or paradoxical splitting does not occur in :

Options :

1. ✖ severe Aortic stenosis
2. ✖ right ventricular pacing
3. ✖ left bundle branch block
4. ✔ right bundle branch block

**Question Number : 67 Question Id : 50939813789 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 the primary determinant of blood flow to most organs ?

**Options :**

1. ✖ Diameter of arteries
2. ✔ Diameter of arterioles
3. ✖ Diameter of venules
4. ✖ Diameter of veins

**Question Number : 68 Question Id : 50939813790 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

Intravenous norepinephrine leads to which of the following cardiovascular changes ?

**Options :**

1. ✖ Increase cardiac output by primarily binding the  $\beta_1$  receptor
2. ✖ Decrease pulmonary arterial wedge pressure by binding the  $\beta_1$  receptor
3. ✖ Decreases mean arterial pressure by binding the  $\alpha_1$  receptor
4. ✔ Increases systemic vascular resistance by binding the  $\alpha_1$  receptor

**Question Number : 69 Question Id : 50939813791 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 the respective lifespan of leucocytes (neutrophils) and thrombocytes ?



**Options :**

1. ✖ 1 hour and 1 day
2. ✔ 1 day and 1 week
3. ✖ 1 week and 1 month
4. ✖ 1 month and 1 year

**Question Number : 70 Question Id : 50939813792 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 characteristic of vulnerable plaques ?

**Options :**

1. ✖ Thin fibrous cap
2. ✖ Smooth muscle cell poor fibrous caps
3. ✖ Lipid rich necrotic core
4. ✔ Absence of inflammatory cells

**Question Number : 71 Question Id : 50939813793 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

Tolvaptan is approved for use in :

**Options :**

1. ✖ high Na
2. ✖ high K
3. ✖ high Ca

4.  low Na

**Question Number : 72 Question Id : 50939813794 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

Treatment of lithium induced diabetes insipidus :

**Options :**

1.  vasopressin
2.  mineralocorticoid antagonist
3.  amiloride
4.  loop diuretic

**Question Number : 73 Question Id : 50939813795 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

Normal portal vein pressure is :

**Options :**

1.  3-5 cm saline
2.  5-10 cm saline
3.  10-15 cm saline
4.  15-20 cm saline

**Question Number : 74 Question Id : 50939813796 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

Renal vein thrombosis is most commonly associated with :

Options :

1. ✖ Diabetes Mellitus
2. ✔ Membranous Glomerulopathy
3. ✖ Minimal Change Disease
4. ✖ Membrano Proliferative GN

Question Number : 75 Question Id : 50939813797 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 conotruncal defect ?

Options :

1. ✖ Tetralogy of Fallot
2. ✖ Truncus Arteriosus
3. ✖ Double Outlet Right ventricle
4. ✔ AV Canal defect

Question Number : 76 Question Id : 50939813798 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 pulmonary trunk and aorta are derived from which primitive heart structure ?

Options :

1. ✖ bulbus cordis
2. ✖ primitive ventricle

3. ✖ sinus venosus

4. ✔ truncus arteriosus

**Question Number : 77 Question Id : 50939813799 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 fetal structures has most oxygenated blood ?

Options :

1. ✔ Umbilical vein

2. ✖ Umbilical artery

3. ✖ Aorta

4. ✖ Superior vena cava

**Question Number : 78 Question Id : 50939813800 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

SARS-CoV-2 infection is caused by binding of the viral surface spike protein to :

Options :

1. ✔ Angiotensin-converting enzyme 2 (ACE2) receptor

2. ✖ Angiotensin II type 1 receptor

3. ✖ Angiotensin (1-9)

4. ✖ Transmembrane protease serine 2(TMPRSS2)

**Question Number : 79 Question Id : 50939813801 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 *true* regarding a noninferiority trial design ?

Options :

1. ✖ Comparison of radically different treatments.
2. ✖ Two(or more) treatment comparisons within the same trial.
3. ✖ Tests if new treatment is better than the standard treatment.

The choice of margin depends on the known efficacy of standard treatment and

4. ✔ achievable sample size.

Question Number : 80 Question Id : 50939813802 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

Regarding strategies beyond statin therapy for prevention of ASCVD events in primary and secondary prevention, which of the following drugs would be most effective ?

Options :

1. ✔ Evolocumab
2. ✖ Saroglitazar
3. ✖ Fenofibrate
4. ✖ Nicotinic acid

Question Number : 81 Question Id : 50939813803 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

Tall R in V1 is a feature of :

Options :

1. ☒ True posterior wall myocardial infarction
2. ☐ Acute pulmonary embolism
3. ☐ Peroneal muscular dystrophy
4. ☐ Cardiac sarcoidosis

Question Number : 82 Question Id : 50939813804 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

Isomerism of left atrial appendages is associated with :

Options :

1. ☐ Anterior position of inferior vena cava
2. ☐ Trilobed lungs
3. ☐ Asplenia
4. ☒ Atrial arrhythmias

Question Number : 83 Question Id : 50939813805 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 drug can be used as pill in the pocket ?

Options :

1. ☐ Diltiazem

2. ✖ Verapamil
3. ✔ Flecainide
4. ✖ Amiodarone

**Question Number : 84 Question Id : 50939813806 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

Watchman device is used for :

**Options :**

1. ✖ VSD
2. ✖ ASD
3. ✖ MV repair
4. ✔ LA appendage

**Question Number : 85 Question Id : 50939813807 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 the incidence of a codominant coronary artery system ?

**Options :**

1. ✔ 8%
2. ✖ 85%
3. ✖ 50%
4. ✖ 15%



**Question Number : 86 Question Id : 50939813808 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

Greyscale IVUS is a good technique for identifying which of the following ?

**Options :**

1.  Calcium
2.  Necrotic core
3.  Thrombus
4.  All of the three

**Question Number : 87 Question Id : 50939813809 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 ECG abnormalities is uncommon in amyloidosis ?

**Options :**

1.  Low voltage in limb leads
2.  LBBB
3.  First degree AV block
4.  Pseudoinfarction pattern in inferior and septal leads

**Question Number : 88 Question Id : 50939813810 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 of the following are most common accessory pathways in WPW syndrome ?

Options :

1. ✖ Right lateral
2. ✔ Left lateral
3. ✖ Left posteroseptal
4. ✖ Right anteroseptal

Question Number : 89 Question Id : 50939813811 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 fetus is most sensitive to X-ray radiation during which one of the following intervals in gestation ?

Options :

1. ✖ The first 2 weeks
2. ✔ The first trimester
3. ✖ The second trimester
4. ✖ The third trimester

Question Number : 90 Question Id : 50939813812 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

Torsades de pointes is seen with :

Options :

1. ✔ Long QTc

2. ✖ Short QTc
3. ✖ Wide QRS
4. ✖ Short QRS

**Question Number : 91 Question Id : 50939813813 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 common cause of SCD (sudden cardiac death) in young athlete is :

**Options :**

1. ✖ ARVD
2. ✔ HOCM
3. ✖ Coronary artery disease
4. ✖ Brugada syndrome

**Question Number : 92 Question Id : 50939813814 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

Framingham major criteria for congestive heart failure is :

**Options :**

1. ✔ Cardiomegaly
2. ✖ Pleural effusion
3. ✖ Hepatomegaly

4. ✖ Ankle edema

Question Number : 93 Question Id : 50939813815 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

Least lipid soluble beta blocker is :

Options :

1. ✖ Metoprolol

2. ✖ Timolol

3. ✖ Propranolol

4. ✔ Atenolol

Question Number : 94 Question Id : 50939813816 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 physical examination findings suggest severe aortic regurgitation ?

Options :

1. ✖ Pulsus alternans

2. ✖ Pulsus paradoxus

3. ✔ Corrigan's pulse

4. ✖ Pulsus bigeminus

Question Number : 95 Question Id : 50939813817 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

Adverse effect of Amiodarone includes :

**Options :**

1. ✖ Hypertension
2. ✔ Thyroid dysfunction
3. ✖ Renal failure
4. ✖ SLE

**Question Number : 96 Question Id : 50939813818 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

Brockenborough-Braunwald sign is present in :

**Options :**

1. ✖ Aortic stenosis
2. ✖ Mitral stenosis
3. ✖ Pulmonary stenosis
4. ✔ HOCM

**Question Number : 97 Question Id : 50939813819 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

Normal BP in the office or clinic and elevated out of office BP measurements is called ?

**Options :**

1. ✖ Resistant hypertension

2. ✖ White coat hypertension
3. ✔ Masked hypertension
4. ✖ White coat effect

**Question Number : 98 Question Id : 50939813820 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

Regarding heart failure epidemiology, which of the following statements is *true* ?

**Options :**

HF presents about a decade later in India, most of the burden is in population above

1. ✖ 65 years.
2. ✔ Rheumatic heart disease contributes about 10% of the HF burden.
3. ✖ HFpEF is seen in 50-60% of the patient population of heart failure.
4. ✖ Idiopathic dilated cardiomyopathy is the most common etiology

**Question Number : 99 Question Id : 50939813821 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 parameters on echocardiogram denotes severe chronic AR ?

**Options :**

1. ✖ Regurgitant volume 30 ml/beat and EROA 0.20 cm<sup>2</sup>
2. ✖ A pressure half-time (PHT) of 400 ms
3. ✖ Systolic pulmonary vein flow reversal

4. ✓ Holodiastolic flow reversal in proximal abdominal aorta

**Question Number : 100 Question Id : 50939813822 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 regimen carries the lowest risk of major bleeding in patients with AF undergoing PCI ?

**Options :**

1. ✓ Non VKA oral anticoagulant plus P2Y12 inhibitor
2. ✗ Non VKA oral anticoagulant plus P2Y12 inhibitor and aspirin
3. ✗ Vit K antagonist (VKA) plus P2Y12 inhibitor and aspirin
4. ✗ Vit K antagonist (VKA) plus P2Y12 inhibitor