

# 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>	973 11th April 2021 Shift 1
<b>Subject Name :</b>	973
<b>Creation Date :</b>	2021-04-11 17:05:46
<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\_Veterinary Public Health and Epidemiology

<b>Group Number :</b>	1
<b>Group Id :</b>	87408157
<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
<b>Is this Group for Examiner? :</b>	No
<b>Examiner permission :</b>	Cant View

Show Progress Bar? :

No

## Research\_Methodology

Section Id :	874081122
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 :	874081164
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 8740817018 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

..... refers to inferring about the whole population based on the observations made on a small part.

एक छोटे से हिस्से पर की गई टिप्पणियों के आधार पर पूरी आबादी के बारे में जिक्र है :

Options :

- 1. ✘ Pseudo inference  
छद्म निष्कर्ष
- 2. ✘ Objective inference  
उद्देश्य निष्कर्ष
- 3. ✔ Inductive inference  
आगमनात्मक निष्कर्ष
- 4. ✘ Deductive inference  
डिडक्टिव निष्कर्ष

Question Number : 2 Question Id : 8740817019 Question Type : MCQ Option Shuffling : Yes Is Question

**Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Ex-Post Facto research means .....

घटनोत्तर शोध का तात्पर्य है :

**Options :**

1. ✓ The research is carried out after the incident  
घटना के पश्चात शोध किया गया है
2. ✗ The research is carried out prior to the incident  
घटना से पहले शोध किया गया है
3. ✗ The research is carried out along with the happening of an incident  
शोध किसी घटना के घटित होने के साथ किया गया है
4. ✗ The research is carried out keeping in mind the possibilities of an incident  
शोध किसी घटना की संभावनाओं को ध्यान में रखते हुए किया गया है

**Question Number : 3 Question Id : 8740817020 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 a survey, the respondents are interested to discuss the recent private cellular schemes, but the surveyor asked them about BSNL landline service. What type of error will it lead to ?

एक सर्वेक्षण में, उत्तरदाताओं को हाल ही में निजी सेलुलर योजनाओं पर चर्चा करने के लिए दिलचस्पी है, लेकिन सर्वेक्षणकर्ता ने उनसे बीएसएनएल लैंडलाइन सेवा के बारे में पूछा। किस प्रकार की त्रुटि होगी ?

**Options :**

1. ✗ Non-response error  
गैर-प्रतिक्रिया त्रुटि
2. ✓ Selection error  
चयन त्रुटि

Sample error

3. ✖ नमूना त्रुटि

Panel error

4. ✖ पैनल त्रुटि

**Question Number : 4 Question Id : 8740817021 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 number of digits in 'Tippet' table are :

‘टिपेट’ तालिका में कुल अंक होते हैं :

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

**Options :**

1. 10,400

2. 9,400

3. 10,200

4. 9,600

**Question Number : 5 Question Id : 8740817022 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Endogenous variable is also known as :

अंतर्जात चर को इस नाम से भी जाना जाता है :

**Options :**

- Intervening variable  
1. ✘ मध्यवर्ती चर
- Mediating variable  
2. ✘ मध्यस्थ चर
- Independent variable  
3. ✘ स्वतंत्र चर
- Dependent variable  
4. ✔ आश्रित चर

**Question Number : 6 Question Id : 8740817023 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Rejection of hypothesis which is true leads to :  
परिकल्पना की अस्वीकृति जो सत्य है, कहलाती है :

Options :

- Sampling Error  
1. ✘ प्रतिचयन त्रुटि
- Type II Error  
2. ✘ टाइप II त्रुटि
- Type I Error  
3. ✔ टाइप I त्रुटि
- Estimation Error  
4. ✘ आकलन त्रुटि

**Question Number : 7 Question Id : 8740817024 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Feature of a hypothesis is :  
परिकल्पना का वैशिष्ट्य है :

Options :

1. ✓ Testability  
परीक्षण करने की क्षमता
2. ✗ Insufficiency  
कमी
3. ✗ Illogical  
विसंगत
4. ✗ Complication  
जटिलता

Question Number : 8 Question Id : 8740817025 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 first step of research ?  
निम्नलिखित में से कौन-सा शोध का पहला चरण है ?

Options :

1. ✗ Designing the research  
अनुसंधान डिजाइन करना
2. ✗ Data Collection  
डेटा संग्रहण
3. ✓ Formulation of the research problem  
शोध समस्या का सूत्र
4. ✗ Analysis of data  
डेटा का विश्लेषण

Question Number : 9 Question Id : 8740817026 Question Type : MCQ Option Shuffling : Yes Is Question

**Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Sampling error can be reduced by :

न्यादर्श में त्रुटि को कम किया जा सकता है :

**Options :**

1. ✘ Non-probability sampling  
गैर-संभाव्यता न्यादर्श द्वारा
2. ✘ Increasing the population  
जनसंख्या में वृद्धि द्वारा
3. ✘ Decreasing the sample size  
न्यादर्श आकार में कमी द्वारा
4. ✔ Increasing the sample size  
न्यादर्श आकार में वृद्धि द्वारा

**Question Number : 10 Question Id : 8740817027 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Empirical research is related to :

अनुभवाश्रित अनुसंधान संबंधित है :

**Options :**

1. ✘ Pure logic  
विशुद्ध तर्क से
2. ✔ Observation  
निरीक्षण से
3. ✘ Theory  
सिद्धान्त से
4. ✘ Critical Thinking  
आलोचनात्मक सोच से

**Question Number : 11 Question Id : 8740817028 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 one considered as critical in qualitative research ?

गुणात्मक अनुसंधान में निम्न में से कौन-सा लक्षण आलोचनात्मक माना जाता है ?

**Options :**

1. ✘ Collecting data with the help of standardized research tools  
माननीकृत अनुसंधान उपकरणों की मदद से आँकड़ों का संग्रहण
2. ✘ Design sampling with probability sample technique.  
संभाव्यता सैम्पल तकनीक द्वारा सैम्पलिंग योजना बनाना
3. ✔ Collecting data with bottom of empirical evidence  
बॉटम अप प्रयोग सिद्ध प्रमाणों द्वारा आँकड़ों का संग्रहण
4. ✘ Gathering data with top down schematic evidence  
टाप डाउन योजनाबद्ध प्रभावों द्वारा आँकड़ों का संग्रहण

**Question Number : 12 Question Id : 8740817029 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 among the following statement is true in the context of the testing of hypothesis ?

परिकल्पना के सत्यापन के सन्दर्भ में निम्न में से कौन-सा कथन सत्य है ?

**Options :**

1. ✘ It is only the alternative hypothesis that can be tested  
यह केवल वैकल्पिक परिकल्पना है जिसे जाँचा जा सकता है
2. ✔ It is only the null hypothesis that can be tested  
यह केवल नल परिकल्पना है जिसे जाँचा जा सकता है



Both the alternative and null hypothesis can be tested

वैकल्पिक एवं नल दोनों ही परिकल्पनाओं को जाँचा जा सकता है

3. ✖

Both the alternative and null hypothesis can not be tested

वैकल्पिक एवं नल दोनों ही परिकल्पनाओं को नहीं जाँचा जा सकता है

4. ✖

**Question Number : 13 Question Id : 8740817030 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 there is a uniform variation in the ratio of the two variable then the regression would be :

यदि दो चरों के अनुपात में समान विभिन्नता पाई जाए, तो रीग्रेसन होगा :

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

Options :

Exponential

एक्सपोनेन्सियल

1.

Quadratic

क्वाड्रेटिक

2.

Linear

रेखिक

3.

Power

पावर

4.

**Question Number : 14 Question Id : 8740817031 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 one of the types of 'validity' encountered in research design and methodology ?

निम्नलिखित में से कौन अनुसंधान डिजाइन और कार्यप्रणाली में प्रयुक्त 'वैधता' के प्रकारों में से एक है ?

Options :

1. ✓ Statistical validity  
सांख्यिकीय वैधता
2. ✗ Integral validity  
समाकलित वैधता
3. ✗ Modular validity  
माड्यूलर वैधता
4. ✗ Projective validity  
प्रक्षेपी वैधता

Question Number : 15 Question Id : 8740817032 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 CARE list of journals the "CARE" stands for :

CARE शोध पत्रिकाओं की सूची में "CARE" का विस्तृत रूप है :

Options :

1. ✗ Consortium of Academicians for Research Ethics  
कंसोर्टियम ऑफ एकेडमिशियन्स फॉर रिसर्च एथिक्स
2. ✗ Consortium of Academicians for the Researchers Empowerment  
कंसोर्टियम ऑफ एकेडमिशियन्स फॉर द रिसर्चर्स एम्पॉवरमेंट
3. ✓ Consortium of Academic and Research Ethics  
कंसोर्टियम ऑफ एकेडमिक एण्ड रिसर्च एथिक्स
4. ✗ Consortium of Academic and Researchers Ethics  
कंसोर्टियम ऑफ एकेडमिक एण्ड रिसर्चर्स एथिक्स

Question Number : 16 Question Id : 8740817033 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 statement A and B and choose the correct option :

कथन A और B पढ़ें और सही विकल्प चुनें :

**Statement (A) :** The structured approach to enquiry is usually classified as qualitative research.

कथन (A) : समीक्षा के लिए संरचित दृष्टिकोण को आमतौर पर गुणात्मक अनुसंधान के रूप में वर्गीकृत किया जाता है।

**Statement (B) :** In the structured approach, everything that forms the research process – objectives, design, sample, and the questions that a researcher plans to ask of respondents – is not predetermined.

कथन (B) : संरचित दृष्टिकोण में, वह सब कुछ जो अनुसंधान प्रक्रिया का निर्माण करता है – उद्देश्य, डिजाइन, नमूना, और वे प्रश्न जो एक शोधकर्ता ने उत्तरदाताओं में पूछने की योजना बनाई है – पूर्व निर्धारित नहीं होती है।

Options :

1. ✘ Both the statements are true  
दोनों कथन सत्य है
2. ✔ Both the statements are false  
दोनों कथन असत्य है
3. ✘ Statement A is true but B is false  
कथन A सत्य है लेकिन B गलत है
4. ✘ Statement B is true but A is false  
कथन B सत्य है लेकिन A गलत है

Question Number : 17 Question Id : 8740817034 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

"Controlled Group" is a term used in .....

“नियंत्रित समूह” ..... में प्रयुक्त एक शब्द है।

Options :

1. ✘ Survey research  
सर्वेक्षण शोध
2. ✘ Historical research  
ऐतिहासिक शोध
3. ✔ Experimental research  
प्रायोगिक शोध
4. ✘ Descriptive research  
वर्णनात्मक शोध

Question Number : 18 Question Id : 8740817035 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 statement and choose the correct option given below :

नीचे दिए गए कथनों को पढ़ें और सही विकल्प चुनें :

Statement (A) : A hypothesis must not be falsifiable.

अभिकथन (A) : परिकल्पना मिथ्या साबित नहीं होनी चाहिए।

Reason (R) : If a hypothesis is falsifiable, then science cannot be used to test the hypothesis,

तर्क (R) : यदि परिकल्पना मिथ्या है, तो परिकल्पना का परीक्षण करने के लिए विज्ञान का उपयोग नहीं किया जा सकता है।

Options :

1. ✘ Both the statements are true and (R) is the correct explanation of (A)  
दोनों कथन सत्य हैं और (A) की सही व्याख्या (R) है।
2. ✘ Both the statements are true but (R) is not the correct explanation of (A)  
दोनों कथन सत्य है लेकिन (A) की सही व्याख्या (R) नहीं है
3. ✘ (A) is false but (R) is true  
(A) गलत है लेकिन (R) सत्य है

Both the statements are false

4. ✓ दोनों कथन गलत है

Question Number : 19 Question Id : 8740817036 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

To test which of the following is not used a qualitative hypothesis ?

निम्नलिखित में से किसका परीक्षण करने के लिए गुणात्मक परिकल्पना का उपयोग नहीं किया जाता है ?

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

Options :

1. t-test  
टी-टेस्ट
2. ANOVA  
एनोवा
3. Chi Square  
काई-स्क्वायर
4. F-test  
एफ-टेस्ट

Question Number : 20 Question Id : 8740817037 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Fundamental research reflects the ability to :

मौलिक शोध की क्षमता को दर्शाता है :

Options :

1. ✘ Synthesize new ideals  
नए आदर्शों का संश्लेषण करना

Expound new principles

2. ✓ नए सिद्धांतों को उजागर करना

Evaluate the existing material concerning research

3. ✘ शोध से संबंधित मौजूदा सामग्री का मूल्यांकन करना

Study the existing literature regarding various topics

4. ✘ विभिन्न विषयों के संबंध में मौजूदा साहित्य का अध्ययन करना

**Question Number : 21 Question Id : 8740817038 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 sampling technique which of the following is not a part of sampling frame ?

नमूना तकनीक में निम्नलिखित में से कौन सा नमूना फ्रेम का हिस्सा नहीं है ?

Options :

a list of random numbers

1. ✓ यादृच्छिक संख्याओं की सूची

a list of sampling units of a population

2. ✘ एक जनसंख्या की नमूना इकाइयों की सूची

a list of voters

3. ✘ मतदाताओं की सूची

a list of respondents only

4. ✘ केवल उत्तरदाताओं की सूची

**Question Number : 22 Question Id : 8740817039 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 a study of two variables, when the variables change their direction in opposite manner, then this phenomenon is called :

दो 'चरों' के अध्ययन में, जब चर अपनी दिशा विपरीत तरीके में बदलते हैं, तो इस घटना को कहा जाता है :

Options :

1. ✘ Positive-Negative Correlation  
सकारात्मक-नकारात्मक सहसंबंध
2. ✔ Negative Correlation  
नकारात्मक सहसंबंध
3. ✘ Fluctuating Correlation  
अस्थिर सहसंबंध
4. ✘ Positive Correlation  
सकारात्मक सहसंबंध

Question Number : 23 Question Id : 8740817040 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 stem and leaf display is an effective, quick and simple way of displaying a :  
'स्टेम और लीफ डिस्प्ले' निम्नलिखित में से किसे प्रदर्शित करने का एक प्रभावी, त्वरित और सरल तरीका है :

Options :

1. ✘ Hypothesis  
परिकल्पना
2. ✔ Frequency Distribution  
आवृत्ति वितरण
3. ✘ Research Question  
शोध प्रश्न

## Research Design

### 4. ✖ अनुसंधान डिजाइन (अभिकल्प)

**Question Number : 24 Question Id : 8740817041 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

..... is useful to study changes of values in the variable over time.

..... समय के साथ चर में मूल्यों के परिवर्तनों का अध्ययन करने के लिए उपयोगी है।

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

**Options :**

Pie diagram

पाई आरेख

1.

Bar diagram

बार आरेख

2.

Scatter diagram

स्कैटर आरेख

3.

Line diagram

रेखा आरेख

4.

**Question Number : 25 Question Id : 8740817042 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 effect of the exposure of interest on the outcome is distorted because of the effect of extraneous factors that are related to both the exposure and outcome. This phenomenon is called :

परिणाम पर ब्याज के जोखिम का प्रभाव विकृत कारकों के प्रभाव के कारण विकृत होता है, जो जोखिम और परिणाम दोनों से संबंधित हैं। इस घटना को कहा जाता है :

Options :

1. ✘ Correlation  
सहसंबंध
2. ✔ Confounding  
उलझना
3. ✘ Recall bias  
रिकाल प्रवृत्ति
4. ✘ Measurement error  
मापन त्रुटि

Question Number : 26 Question Id : 8740817043 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 we are doing an analytical study and the study outcome is of acute nature and rare condition what is the appropriate study design ?

यदि हम एक विश्लेषणात्मक अध्ययन कर रहे हैं और अध्ययन का परिणाम तीव्र प्रकृति और दुर्लभ स्थिति का है, तो उपयुक्त अध्ययन डिजाइन क्या है ?

Options :

1. ✘ Cohort study  
कोहोर्ट अध्ययन
2. ✔ Case-control study  
केस-कंट्रोल अध्ययन
3. ✘ Cross-sectional study  
क्रॉस-अनुभागीय अध्ययन

## Surveillance

### 4. ✘ निगरानी

**Question Number : 27 Question Id : 8740817044 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 validity that refers to the extent to which the new questionnaire conforms to existing ideas or hypotheses is known as :

वह वैधता जो इसे सूचित करती है कि किस सीमा तक नई प्रश्नावली प्रचलित विचारों एवं परिकल्पनाओं के अनुरूप है, कहलाता है :

Options :

1. ✘ Content validity  
अंतर्वस्तु वैधता

2. ✘ Construct validity  
निर्मित वैधता

3. ✘ Face validity  
आभासी वैधता

4. ✔ Criterion validity  
मानदण्डीय वैधता

**Question Number : 28 Question Id : 8740817045 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

According to Goode & Hatt, scaling techniques :

गुडे और हॉट के अनुसार, अनुमापन विधियाँ :

Options :

1. ✔ Convert qualitative data into quantitative  
गुणात्मक तथ्यों को गणनात्मक तथ्यों में बदलती है

Convert quantitative data into qualitative  
गणनात्मक तथ्यों को गुणात्मक में बदलना

2. ✘

Measurement of qualitative facts  
गुणात्मक तथ्यों का अनुमापन

3. ✘

Analysis of quantitative facts  
गणनात्मक तथ्यों का विश्लेषण

4. ✘

**Question Number : 29 Question Id : 8740817046 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 study where the investigators introduce an intervention and observe the events which take place is called :

एक अध्ययन जहाँ जाँचकर्ता हस्तक्षेप करते हैं और उन घटनाओं का निरीक्षण करते हैं, जो घटित होती है :

**Options :**

Observational Study  
पर्यवेक्षणीय अध्ययन

1. ✘

Descriptive Study  
वर्णनात्मक अध्ययन

2. ✘

Case-Control Study  
नियंत्रित रेगी अध्ययन

3. ✘

Experimental Study  
प्रयोगात्मक अध्ययन

4. ✔

**Question Number : 30 Question Id : 8740817047 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 problem is considered to be good, if it meets the following criteria :

एक शोध समस्या को तब अच्छा माना जाता है, जब निम्नलिखित मानदण्डों को वह पूरा करती है :

Options :

1. ✘ Fit, inconvenient, Noble, Ethnic, Revolving (FINER)  
फिट, असुविधाजनक, महान, जातीय, परिक्रामी
2. ✔ Feasible, Interesting, Novel, Ethical and Relevant (FINER)  
व्यवहार्य, दिलचस्प, नवीन, नैतिक और प्रासंगिक
3. ✘ Fluctuating, Innocuous, Noticeable, Entrepreneur, Residual (FINER)  
रूपांतरित, अहानिकर, ध्यान देने योग्य, उद्यमी, अवशिष्ट
4. ✘ Foolish, Imperfect, Natural, Erratic, Revolutionary (FINER)  
मूर्खतापूर्ण, अपूर्ण, प्राकृतिक, गलत, क्रांतिकारी

Question Number : 31 Question Id : 8740817048 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

COPE stands for :

COPE का अर्थ है :

Options :

1. ✘ Committee on Publication Errors  
प्रकाशन त्रुटियों पर समिति
2. ✔ Committee on Publication Ethics  
प्रकाशन नैतिकता पर समिति
3. ✘ Commission of Potential Editors  
संभावित संपादकों का आयोग
4. ✘ Community-based Outputs for Public Education  
सार्वजनिक शिक्षा के लिए समुदाय आधारित आउटपुट

Question Number : 32 Question Id : 8740817049 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Each of the following is true about cross sectional study, EXCEPT :

निम्नलिखित में से प्रत्येक परा-अनुभागीय अध्ययन के बारे में सच है, सिवाय :

Options :

1. ✘ Unable to measure incidence  
व्यापकता (incidence) को मापने में असमर्थ
2. ✔ Data are collected at multiple points in time  
समय में कई बिन्दुओं पर डेटा एकत्र किया जाता है
3. ✘ Relatively quick and easy to conduct  
अपेक्षाकृत जल्दी और आचरण में आसान
4. ✘ Able to measure the prevalence  
प्रचलन (prevalence) को मापने में सक्षम

Question Number : 33 Question Id : 8740817050 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Standard Error is nothing but :

मानक त्रुटि है :

Options :

1. ✘ Standard deviation of population distribution  
पॉपुलेशन वितरण का मानक विचलन
2. ✘ Dispersion Error  
फैलाव त्रुटि
3. ✔ Standard deviation of sampling distribution  
सैम्पल वितरण का मानक विचलन

## Conceptual Error

### वैचारिक त्रुटि

4. ✘

**Question Number : 34 Question Id : 8740817051 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

DOI in a published research paper stands for :

एक प्रकाशित शोध पत्र में डी० ओ० आई० का अर्थ है :

Options :

Directory of Index

सूचकांक की निर्देशिका

1. ✘

Digital Objective Index

डिजिटल उद्देश्य सूचकांक

2. ✘

Direct Object Identifiers

प्रत्यक्ष वस्तु पहचानकर्ता

3. ✘

Digital Object Identifier

डिजिटल ऑब्जेक्ट पहचानकर्ता

4. ✔

**Question Number : 35 Question Id : 8740817052 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 a techniques used for controlling experimenter bias ?

प्रयोगकर्ता पूर्वाग्रह को नियंत्रित करने के लिए निम्नलिखित में से कौन-सी तकनीक का उपयोग किया जाता है ?

Options :

Double eyed technique

डबल-आइड तकनीक

1. ✘

Open eyed technique

2. ✘ ओपन-आइड तकनीक

Double blind technique

3. ✔ डबल-ब्लाइंड तकनीक

Open blind technique

4. ✘ ओपन-ब्लाइंड तकनीक

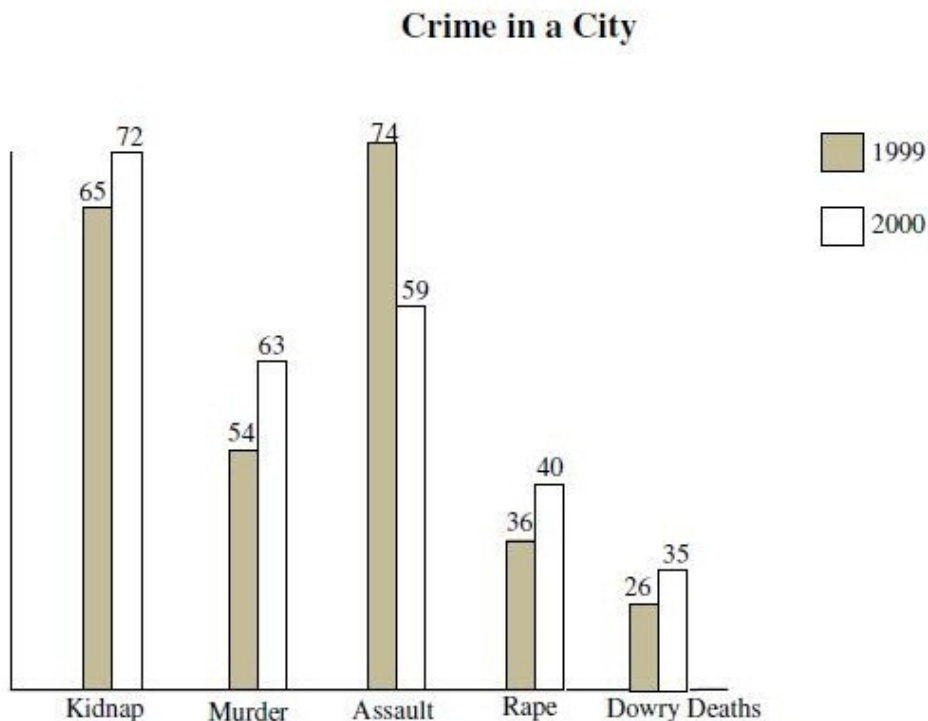
Question Number : 36 Question Id : 8740817053 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Study the following graph and answer the question :

निम्नलिखित ग्राफ का अध्ययन करें और प्रश्न का उत्तर दें :



What was difference in crime between 1999 and 2000 ?

1999 और 2000 के बीच क्राइम में कितना अन्तर था ?

Options :

1. ✔ 14

2. ✘ 16

3. ✘ 18

4. ✘ 20

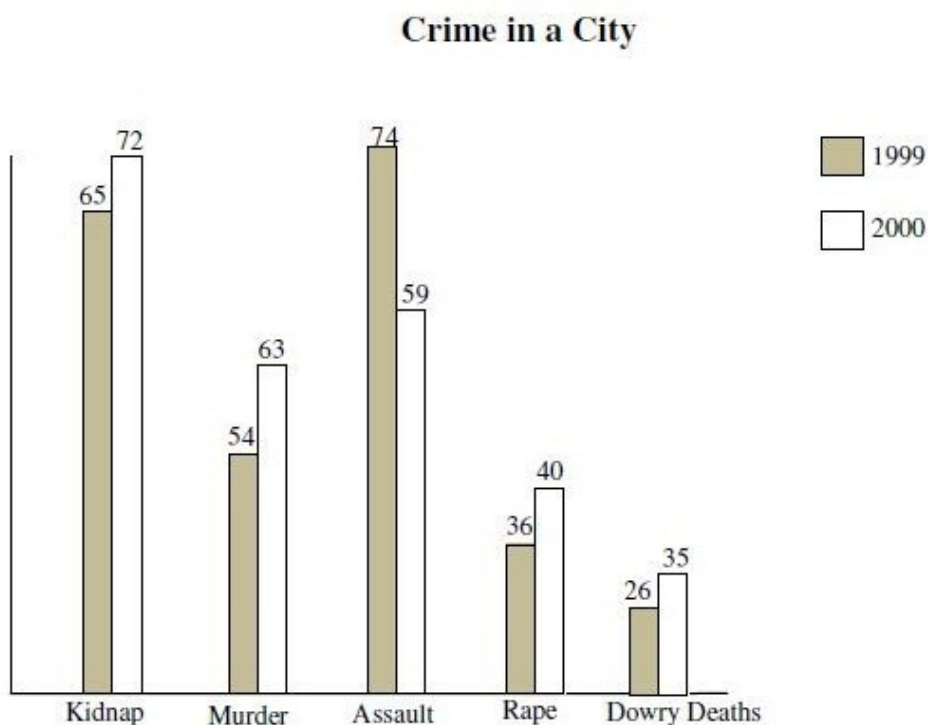
Question Number : 37 Question Id : 8740817054 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Study the following graph and answer the question :

निम्नलिखित ग्राफ का अध्ययन करें और प्रश्न का उत्तर दें :



What was increase percent in rape from 1999 to 2000 ?  
वर्ष 1999 से 2000 में रेप में वृद्धि प्रतिशत कितना था ?

Options :

1. ✔ 11%

2. ✘ 40%



3. ✖ 15%

4. ✖ 30%

Question Number : 38 Question Id : 8740817055 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Study the following graph and answer the following question :

निम्नलिखित ग्राफ का अध्ययन करें और दिए गए प्रश्न का उत्तर दें :

### Students Going Abroad for Study from Different States/UTs

विभिन्न राज्यों / केंद्र शासित प्रदेशों से अध्ययन के लिए विदेश जाने वाले छात्र

State/U.T.	Year				
	1995	1996	1997	1998	1999
Maharashtra	723	840	900	920	925
Kerala	1035	940	1200	1400	1500
Karnataka	750	600	830	575	900
West Bengal	500	550	450	600	525
Delhi	1500	1625	1700	1475	1800
Andhra Pradesh	800	840	875	925	785
Total	5308	5395	5955	5895	6435

What was the percentage increase in the number of students from West Bengal from 1997 to 1998 ?

1997 से 1998 तक पश्चिम बंगाल के छात्रों की संख्या में कितने प्रतिशत की वृद्धि हुई थी ?

Options :

1. ✖  $66\frac{2}{3}$

2. ✓  $33\frac{1}{3}$

3. ✗ 150

4. ✗ 50

**Question Number : 39 Question Id : 8740817056 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

*Study the following graph and answer the following question :*

निम्नलिखित ग्राफ का अध्ययन करें और दिए गए प्रश्न का उत्तर दें :

### Students Going Abroad for Study from Different States/UTs

विभिन्न राज्यों / केंद्र शासित प्रदेशों से अध्ययन के लिए विदेश जाने वाले छात्र

State/U.T.	Year				
	1995	1996	1997	1998	1999
Maharashtra	723	840	900	920	925
Kerala	1035	940	1200	1400	1500
Karnataka	750	600	830	575	900
West Bengal	500	550	450	600	525
Delhi	1500	1625	1700	1475	1800
Andhra Pradesh	800	840	875	925	785
Total	5308	5395	5955	5895	6435

In the case of which State/U.T. was there a continuous increase in the number of students over the given years ?

किस राज्य / यू.टी. के मामले में दिए गए वर्षों में छात्रों की संख्या में लगातार वृद्धि हुई है ?

**Options :**

1. ✘ Kerala  
केरल
2. ✘ Delhi  
दिल्ली
3. ✘ Andhra Pradesh  
आन्ध्र प्रदेश
4. ✔ Maharashtra  
महाराष्ट्र

**Question Number : 40 Question Id : 8740817057 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Identify the citation style if an article is cited in the following manner Kammer, Minian. "Breaking the bounds of Domesticity : Ecofeminism and nature space in Love's Labour's lost" Shakespeare Bulletin, vol. 36, no. 3, 2018, pp. 467-483 :

यदि कोई लेख निम्नलिखित तरीके से उद्धृत किया गया है, तो उद्धरण शैली को पहचानें-  
केमर, मिनियन। ब्रेकिंग द बाउण्ड्स ऑफ डोमेस्टिसिटी : इकोफेमिनिज्म एंड नेचर स्पेस  
इन लव लेबर्स लॉस्ट शेक्सपियर बुलेटिन, vol. 36, no. 3, 2018, pp. 467-483 :

**Options :**

1. ✘ APA  
एपीए
2. ✘ Harvard  
हार्वर्ड
3. ✔ MLA  
एमएलए
4. ✘ Chicago  
शिकागो

## Subject\_&\_Area Concerned

Section Id :	874081123
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 :	874081165
Question Shuffling Allowed :	Yes

**Question Number : 41 Question Id : 8740817058 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Biotxin associated with paralytic shellfish poisoning is :

**Options :**

1.  Saxitoxin
2.  Cigu toxin
3.  Brevitoxin
4.  Okadoic acid

**Question Number : 42 Question Id : 8740817059 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 animal is considered as mixing vessel for highly pathogenic avian influenza virus ?

**Options :**

1.  Monkeys

2. ✓ Pigs
3. ✗ Birds
4. ✗ Humans

**Question Number : 43 Question Id : 8740817060 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 virulent strain of Ebola virus is :

**Options :**

1. ✓ Zaire virus
2. ✗ Reston virus
3. ✗ Tai-forest virus
4. ✗ Bundibugyo virus

**Question Number : 44 Question Id : 8740817061 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Hydatidosis infection is an example for :

**Options :**

1. ✗ Obligatory cyclozoonosis
2. ✓ Non-Obligatory cyclozoonosis
3. ✗ Direct metazoonosis
4. ✗ Sapro-metazoonosis

**Question Number : 45 Question Id : 8740817062 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**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 WTO recognized international reference point for the resolution of disputes regarding food safety and consumer protection :

**Options :**

1. ✘ Food and Agriculture Organization of the United Nations
2. ✘ World Health Organization
3. ✔ Codex Alimentarius Commission
4. ✘ United States- FDA

**Question Number : 46 Question Id : 8740817063 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

*Staphylococcus aureus* food poisoning is a type of :

**Options :**

1. ✔ Intoxication
2. ✘ Infection
3. ✘ Toxi-infection
4. ✘ Infestation

**Question Number : 47 Question Id : 8740817064 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Three proteins (PA, LF and EF) of the anthrax toxin is encoded by :

**Options :**

1. ✔ pXO1
2. ✘ pXO2

3. ✘ Chromosome

4. ✘ pXO3

**Question Number : 48 Question Id : 8740817065 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

H18N11 strain of the influenza virus reported from :

**Options :**

1. ✘ Monkeys

2. ✘ Birds

3. ✘ Cats

4. ✔ Bats

**Question Number : 49 Question Id : 8740817066 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 method of control measure applied in outbreak of H5N1 in poultry is :

**Options :**

1. ✘ Treatment of affected birds

2. ✘ Vaccination

3. ✔ Depopulation

4. ✘ Test and culling method

**Question Number : 50 Question Id : 8740817067 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Blocked flea is efficient transmitter of the disease :

**Options :**

1. ✓ Plague
2. ✗ Tularemia
3. ✗ Murine typhus
4. ✗ Lyme disease

**Question Number : 51 Question Id : 8740817068 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

*Brucella* species most pathogenic to human is :

**Options :**

1. ✗ *B. abortus*
2. ✗ *B. suis*
3. ✓ *B. melitensis*
4. ✗ *B. canis*

**Question Number : 52 Question Id : 8740817069 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Scrofula is disease condition caused by :

**Options :**

1. ✗ *Streptococcus*
2. ✗ *Yersinia*
3. ✗ *Staphylococcus*
4. ✓ *Mycobacterium*



**Question Number : 53 Question Id : 8740817070 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Acute form of glanders is more common in :

**Options :**

1. ✘ Carnivores
2. ✘ Goats
3. ✘ Horses
4. ✔ Donkeys and mules

**Question Number : 54 Question Id : 8740817071 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Diagnostic antigen for bovine brucellosis is :

**Options :**

1. ✔ *B. abortus strain-99*
2. ✘ *B. abortus strain-19*
3. ✘ *B. abortus strain-45/20*
4. ✘ *B. melitensis Rev-1*

**Question Number : 55 Question Id : 8740817072 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 of the pandemics of cholera is caused by the strain :

**Options :**

1. ✔ Classical

2. ✘ EI Tor

3. ✘ O139

4. ✘ O157

**Question Number : 56 Question Id : 8740817073 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Scrub typhus is transmitted by :

**Options :**

1. ✔ Mite

2. ✘ Flea

3. ✘ Louse

4. ✘ Mosquito

**Question Number : 57 Question Id : 8740817074 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

*E. coli* serotypes O<sub>157</sub>H<sub>7</sub> that causes hemolytic uremic syndrome belong to the pathotype :

**Options :**

1. ✔ Enterohemorrhagic *E. coli*

2. ✘ Enteropathogenic *E. coli*

3. ✘ Enteroinvasive *E. coli*

4. ✘ Enterotoxigenic *E. coli*

**Question Number : 58 Question Id : 8740817075 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0**

**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

Guillain barre syndrome commonly associated with *Campylobacter jejuni* serogroup :

**Options :**

1. ✘ O8
2. ✔ O9
3. ✘ O19
4. ✘ O1

**Question Number : 59 Question Id : 8740817076 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Indian tick typhus is caused :

**Options :**

1. ✘ *Rickettsia felis*
2. ✘ *Rickettsia akari*
3. ✔ *Rickettsia conori*
4. ✘ *Rickettsia typhi*

**Question Number : 60 Question Id : 8740817077 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Artificial digestion technique is recommended for diagnosis of :

**Options :**

1. ✔ Trichinellosis
2. ✘ Fasciolosis

3. ✘ Echinococcosis

4. ✘ Cysticercosis

**Question Number : 61 Question Id : 8740817078 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Tinea cruris is the ringworm infection of the following region :

**Options :**

1. ✔ Groin

2. ✘ Scalp

3. ✘ Hand

4. ✘ Nail

**Question Number : 62 Question Id : 8740817079 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Chagas disease transmitted by :

**Options :**

1. ✘ Tabanus fly

2. ✘ Culex mosquito

3. ✘ Mite

4. ✔ Triatomine bug

**Question Number : 63 Question Id : 8740817080 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 diagnostic stage of *Leishmania* present in the host is :

**Options :**

1. ✘ Epimastigotes
2. ✘ Promastigotes
3. ✘ Cercaria
4. ✔ Amastigotes

**Question Number : 64 Question Id : 8740817081 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Sudden death of crows in an area can be suspected for the disease:

**Options :**

1. ✔ West Nile Fever
2. ✘ Japanese Encephalitis
3. ✘ Rift Valley Fever
4. ✘ Yellow Fever

**Question Number : 65 Question Id : 8740817082 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Scombroid fish poisoning associated with :

**Options :**

1. ✘ Saxitoxin
2. ✘ Ciguatera toxin
3. ✔ Histamine

4. ✘ Domoic acid

**Question Number : 66 Question Id : 8740817083 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Eijkman's test is performed on glucose media at temperature of :

**Options :**

1. ✘ 37°C

2. ✔ 46°C

3. ✘ 25°C

4. ✘ 10°C

**Question Number : 67 Question Id : 8740817084 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Absence of Negri bodies in rabies suspected case indicates :

**Options :**

1. ✘ Absence of rabies

2. ✔ Cannot rule out the absence of rabies

3. ✘ Carrier form of rabies

4. ✘ Asymptomatic infection

**Question Number : 68 Question Id : 8740817085 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Penner serotyping is done for which pathogen :

**Options :**

1. ✘ *Mycobacterium* spp.
2. ✔ *Campylobacter* spp.
3. ✘ *Listeria* spp.
4. ✘ *Salmonella* spp.

**Question Number : 69 Question Id : 8740817086 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 vaccine strain of Japanese encephalitis is :

**Options :**

1. ✘ S-19
2. ✔ SA-14-14-2
3. ✘ 17-D
4. ✘ Pitman-Moore L503

**Question Number : 70 Question Id : 8740817087 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Pig-bel disease condition is caused by :

**Options :**

1. ✘ *Clostridium perfringens* type- B
2. ✘ *Clostridium perfringens* type-D
3. ✘ *Clostridium perfringens* type-A
4. ✔ *Clostridium perfringens* type-C

Question Number : 71 Question Id : 8740817088 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Amnesic shellfish poisoning results from consuming phytoplanktons contaminated with :

Options :

1. ✓ Domoic acid by *Pseudonitzschia* spp
2. ✗ Ciguatera toxins by *Gambierdiscus toxicus*
3. ✗ Okadaic acid by *Dinophysis* spp
4. ✗ Saxitoxin by *Alexandrium* spp.

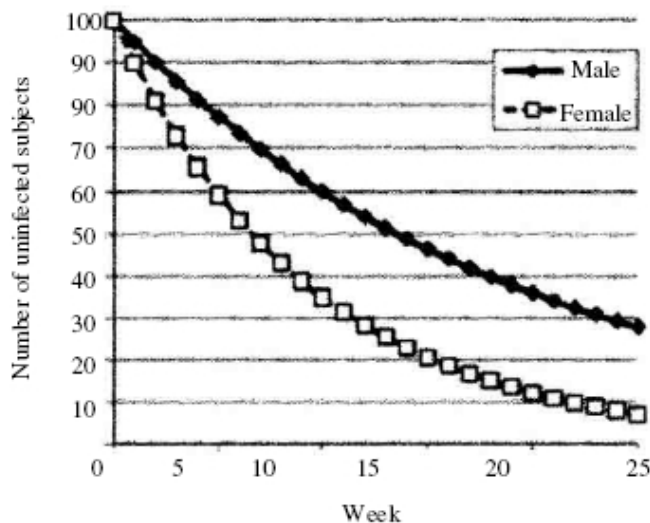
Question Number : 72 Question Id : 8740817089 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

There are 200 individuals in a population- 100 male and 100 female. The population is observed for the development of a disease starting from July 1, 2020 (0th week) to January 7, 2021(25th week) in weekly intervals. The result was shown in the graph.

What does the graph represent ?



Options :

1. ✗ The prevalence of the disease is higher in female than in male
2. ✗ The prevalence of the disease is higher in male than in female



3. ✓ The incidence of the disease is higher in female than in male

4. ✗ The incidence of the disease is higher in male than in female

**Question Number : 73 Question Id : 8740817090 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Enterotoxin-positive and enterotoxin-negative Staphylococci can be differentiated by which of the following sugar fermentation test ?

**Options :**

1. ✓ Mannitol

2. ✗ Trehalose

3. ✗ Sorbitol

4. ✗ Dulcitol

**Question Number : 74 Question Id : 8740817091 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 maximum permissible limit (MPL) established for Aflatoxin M<sub>1</sub> in bovine milk as per FSSAI guidelines is :

**Options :**

1. ✗ 0.1 ppb

2. ✗ 0.01 ppb

3. ✓ 0.5 ppb

4. ✗ 0.05 ppb

**Question Number : 75 Question Id : 8740817092 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

*Salmonella Gallinarum* is a :

**Options :**

1. ✘ Host adapted serotype
2. ✔ Host restricted serotype
3. ✘ Host related serotype
4. ✘ Un-restricted serotype

**Question Number : 76 Question Id : 8740817093 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 largest outbreak with a Shiga toxin-producing *Escherichia coli* (STEC) in Germany in 2011 belongs to the serotype :

**Options :**

1. ✘ O157 : H7
2. ✘ O26 : H11
3. ✘ O103 : H2
4. ✔ O104 : H4

**Question Number : 77 Question Id : 8740817094 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 type of surveillance in which similar undiagnosed cases are recorded with a greater frequency than what would have been expected is known as :

**Options :**

1. ✘ Targeted surveillance
2. ✘ Scanning surveillance
3. ✔ Syndromic surveillance
4. ✘ Active surveillance

**Question Number : 78 Question Id : 8740817095 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 most commonly occurring serovars of *Listeria monocytogenes* causing food borne infections are :

**Options :**

1. ✔ 1/2a, 1/2b, 4b
2. ✘ 2a, 1/2b, 4b
3. ✘ 1/2a, 2b, 4b
4. ✘ 1/2a, 1/2b, 2c

**Question Number : 79 Question Id : 8740817096 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Acute hepatotoxicosis due to poisoning by cyanobacteria is mediated by heat stable small peptides namely :

**Options :**

1. ✘ Anatoxins
2. ✘ Anaphatoxin
3. ✔ Microcystin

4. ✘ Pectenotoxins

**Question Number : 80 Question Id : 8740817097 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Skunk-like odour in butter is caused by :

**Options :**

1. ✘ *Pseudomonas fragi*
2. ✘ *L. lactis var. maltigenes*
3. ✔ *Pseudomonas mephitica*
4. ✘ *Chryseobacterium joostei*

**Question Number : 81 Question Id : 8740817098 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 white crystalline deposit that occasionally forms in evaporated milk during storage has been shown to consist largely of :

**Options :**

1. ✔ Calcium citrates
2. ✘ Calcium chlorides
3. ✘ Calcium carbonate
4. ✘ Calcium bicarbonates

**Question Number : 82 Question Id : 8740817099 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 type of epidemiological investigation is applied first during disease outbreak ?

**Options :**

1. ✘ Experimental epidemiology
2. ✔ Descriptive epidemiology
3. ✘ Theoretical epidemiology
4. ✘ Mathematical epidemiology

**Question Number : 83 Question Id : 8740817100 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 microbial quality of water from a water source is highly fluctuating, then which of the following is recommended ?

**Options :**

1. ✘ Break point chlorination
2. ✔ Super chlorination
3. ✘ Residual chlorination
4. ✘ Post chlorination disinfection

**Question Number : 84 Question Id : 8740817101 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 smallest geographical area providing uniform condition for life is :

**Options :**

1. ✘ Niche
2. ✘ Nidus

3. ✓ Biotope

4. ✗ Nosoarea

**Question Number : 85 Question Id : 8740817102 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 statement regarding the physical properties of milk is correct ?

**Options :**

1. ✗ The specific gravity of milk increases with increase in temperature
2. ✗ Addition of cream will increase the specific gravity of milk
3. ✓ The more the SNF content of milk, more is the specific gravity
4. ✗ The specific gravity of raw milk is more than skimmed milk

**Question Number : 86 Question Id : 8740817103 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Ethical issues are common problems with :

**Options :**

1. ✗ Prevalence study
2. ✗ Cross sectional study
3. ✓ Cohort study
4. ✗ Case control study

**Question Number : 87 Question Id : 8740817104 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 global agreement for adapting control strategies to reduce the release of ozone depleting substances ?

Options :

1. ✘ Vienna Convention
2. ✘ Kyoto Protocol
3. ✔ Montreal Protocol
4. ✘ Paris Convention

**Question Number : 88 Question Id : 8740817105 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

During preparation of nuggets, if *Escherichia coli* is identified beyond the acceptable limit in a sample of nugget coming immediately after the cooking step (before the nugget could be stored frozen), what could be your inference ?

Options :

1. ✔ CCP1 can be applied at this step
2. ✘ CCP2 can be applied at this step
3. ✘ Both CCP1 and CCP2 can be applied at this step
4. ✘ The raw meat used for preparation of nugget has to be rejected

**Question Number : 89 Question Id : 8740817106 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Candy's filter is an example of :

Options :

1. ✘ Gravity type mechanical filter
2. ✔ Pressure type mechanical filter

3. ✘ Gravity type rapid sand filter
4. ✘ Pressure type slow sand filter

**Question Number : 90 Question Id : 8740817107 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 equivalent time (in minutes), at 250°F of all heat considered, with respect to its capacity to destroy spores or vegetative cells of a particular organism is known as :

**Options :**

1. ✘ Thermal death time
2. ✘ D-value
3. ✔ F-value
4. ✘ Z-value

**Question Number : 91 Question Id : 8740817108 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Standard Plate Count (SPC) of pasteurized milk must not be more than :

**Options :**

1. ✘  $3 \times 10^2$  CFU/g
2. ✘  $3 \times 10^3$  CFU/g
3. ✔  $3 \times 10^4$  CFU/g
4. ✘  $3 \times 10^5$  CFU/g

**Question Number : 92 Question Id : 8740817109 Question Type : MCQ Option Shuffling : Yes Is Question**



**Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 statement regarding lactic acid bacteria (LAB) is correct ?

**Options :**

1. ✓ All the LABs lack functional heme-linked electron transport systems
2. ✗ Some of the LABs can't produce lactic acid from hexose sugars
3. ✗ The LABs that produce equimolar concentration of lactate, carbon dioxide, and ethanol are grouped as homofermentatives
4. ✗ The homolactics are often associated with the production of flavour and aroma compounds

**Question Number : 93 Question Id : 8740817110 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Minamata disease in Japan has been attributed to eating fish with high concentration of ..... in their bodies ?

**Options :**

1. ✗ Mercurous chloride
2. ✓ Methyl mercury
3. ✗ Vinyl mercury
4. ✗ Mercuric chloride

**Question Number : 94 Question Id : 8740817111 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 guideline values for gross Alpha ( $\alpha$ ) and Beta ( $\beta$ ) radiological activities of water should fall within ..... and ..... respectively :

**Options :**

1. ✘ 1.0 Bq/L; 0.5 Bq/L
2. ✔ 0.5 Bq/L; 1.0 Bq/L
3. ✘ 0.1 Bq/L; 0.5 Bq/L
4. ✘ 0.5 Bq/L; 0.1 Bq/L

**Question Number : 95 Question Id : 8740817112 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 areas where DDT had been used extensively, the bird population declined significantly, mainly due to :

**Options :**

1. ✘ Laying of unfertilized eggs
2. ✔ Laid eggs didn't hatch
3. ✘ Birds stopped laying eggs
4. ✘ Ovulation could not take place due to immature ovaries

**Question Number : 96 Question Id : 8740817113 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Waste water is fairly biodegradable and can be treated biologically, if :

**Options :**

1. ✔  $BOD_5/COD > 0.6$
2. ✘  $BOD_5/COD = 0.3 - 0.6$

3. ✘  $BOD_5/COD = 0.1 - 0.3$

4. ✘  $BOD_5/COD < 0.1$

**Question Number : 97 Question Id : 8740817114 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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 a GIS-based epidemiology software developed by NIVEDI, Bengaluru to create a national directory of all villages in India to be included in its epidemiological sampling frame ?

**Options :**

1. ✘ India ADMAS. Epitrak

2. ✔ India.ADMAS Epitrak

3. ✘ India.Epitrak ADMAS

4. ✘ India ADMAS Epitrak

**Question Number : 98 Question Id : 8740817115 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Infectious form of *Chlamydia psittaci* is :

**Options :**

1. ✔ Elementary bodies

2. ✘ Reticulate bodies

3. ✘ Negribodies

4. ✘ Bollinger bodies

**Question Number : 99 Question Id : 8740817116 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Wayson's stain can be used for identification of :

**Options :**

1. ✘ Rabies virus
2. ✘ *Listeria monocytogenes*
3. ✔ *Yersinia pestis*
4. ✘ *Leptospira spp.*

**Question Number : 100 Question Id : 8740817117 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 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

Asteroid bodies in the lesions are seen in disease :

**Options :**

1. ✔ Sporotrichosis
2. ✘ Candidiasis
3. ✘ Cryptococcosis
4. ✘ Moniliasis