

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.

Question Paper Name :	747 11th April 2021 Shift 1
Subject Name :	747
Creation Date :	2021-04-11 17:05:44
Duration :	120
Total Marks :	300
Display Marks:	Yes
Share Answer Key With Delivery Engine :	Yes
Actual Answer Key :	Yes
Calculator :	None
Magnifying Glass Required? :	No
Ruler Required? :	No
Eraser Required? :	No
Scratch Pad Required? :	No
Rough Sketch/Notepad Required? :	No
Protractor Required? :	No
Show Watermark on Console? :	Yes
Highlighter :	No
Auto Save on Console?	No
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No
Show Reports :	No
Show Progress Bar :	No

RET_Genetics and Plant Breeding

Group Number :	1
Group Id :	87408139
Group Maximum Duration :	0
Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	300
Is this Group for Examiner? :	No
Examiner permission :	Cant View

Show Progress Bar? :

No

Research_Methodology

Section Id :	87408186
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 :	874081128
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 8740815218 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815219 Question Type : MCQ Option Shuffling : Yes Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815220 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815221 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815222 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815223 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815224 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815225 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815226 Question Type : MCQ Option Shuffling : Yes Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815227 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815228 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815229 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815230 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815231 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815232 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815233 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815234 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815235 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815236 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815237 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815238 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815239 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815240 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815241 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815242 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815243 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815244 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815245 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815246 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815247 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815248 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815249 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815250 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815251 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815252 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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

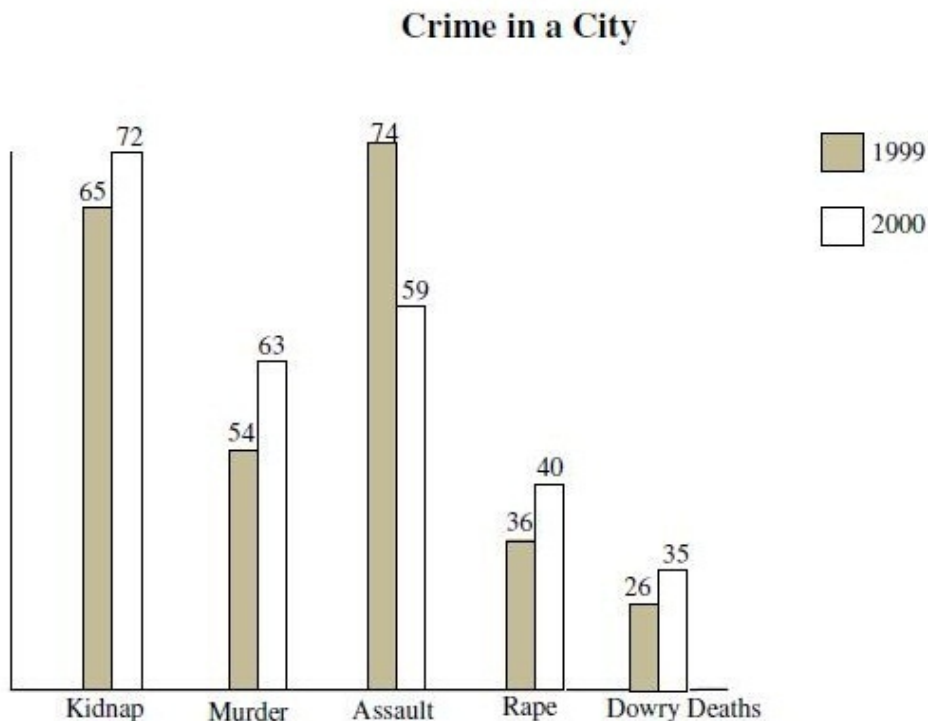
Question Number : 36 Question Id : 8740815253 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval 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

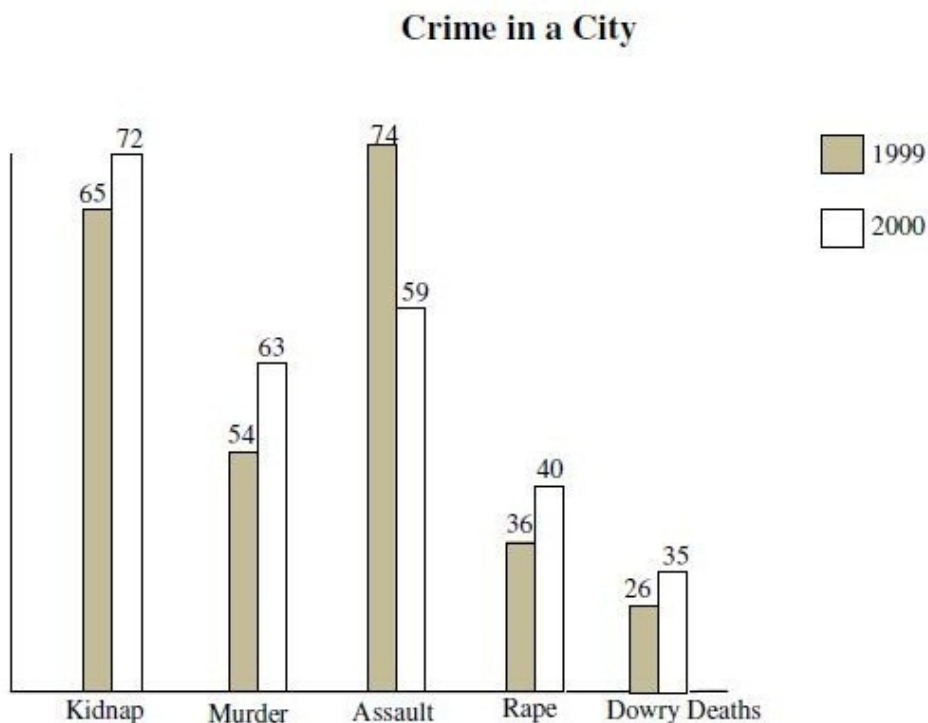
Question Number : 37 Question Id : 8740815254 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval 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 : 8740815255 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815256 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 : 8740815257 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 :	87408187
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 :	874081129
Question Shuffling Allowed :	Yes

Question Number : 41 Question Id : 8740815258 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 Scaling tests 'C ≠ 0' indicates :

Options :

1. ✘ Additive X Additive Interaction
2. ✘ Additive X Dominance Interaction
3. ✘ Dominance X Additive Interaction
4. ✔ Dominance X Dominance Interaction

Question Number : 42 Question Id : 8740815259 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

An example of four factor mating design is :

Options :

1. ✘ Line X Tester
2. ✘ North Carolina Designs

3. ✘ Diallel analysis

4. ✔ Double Cross Hybrid Analysis

Question Number : 43 Question Id : 8740815260 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Number of diallel crosses, including reciprocals, involving 8 parents will be :

Options :

1. ✘ 64

2. ✘ 28

3. ✔ 56

4. ✘ 32

Question Number : 44 Question Id : 8740815261 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 North Carolina Design I, variance due to males is equal to :

Options :

1. ✔ $\frac{1}{4}\sigma^2 A$

2. ✘ $\frac{1}{4}\sigma^2 D$

3. ✘ $\frac{1}{4}\sigma^2 A + \frac{1}{4}\sigma^2 D$

4. ✘ $\frac{1}{2}\sigma^2 A + \frac{1}{4}\sigma^2 D$

Question Number : 45 Question Id : 8740815262 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 mean phenotype of F_2 is :

Options :

1. ✘ $m + \frac{1}{2}[d]$

2. ✔ $m + \frac{1}{2}[h]$

3. ✘ $m - \frac{1}{2}[d]$

4. ✘ $m + [h]$

Question Number : 46 Question Id : 8740815263 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which one is not an assumption of diallel analysis ?

Options :

1. ✘ Diploid segregation

2. ✘ No multiple allele

3. ✔ Heterozygous parents

4. ✘ Genes independently distributed between parents

Question Number : 47 Question Id : 8740815264 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 estimates is provided by σ^2 m x f interaction of NC Design II ?

Options :

1. ✘ $\frac{1}{4}\sigma^2 A$

2. ✔ $\frac{1}{4}\sigma^2 D$

3. ✘ $\frac{1}{2}\sigma^2 D$

4. ✘ $\frac{1}{2}\sigma^2 A$

Question Number : 48 Question Id : 8740815265 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Narrow sense heritability is equal to :

Options :

1. ✘ $\sigma^2 G / \sigma^2 P$

2. ✘ $\sigma^2 A + \sigma^2 D / \sigma^2 P$

3. ✔ $\sigma^2 A / \sigma^2 P$

4. ✘ $\sigma^2 A / \sigma^2 G$

Question Number : 49 Question Id : 8740815266 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Interaction between homozygote of one locus and homozygote of other locus is called :

Options :

1. ✘ Dominance X Dominance Interaction
2. ✘ Additive X Dominance Interaction
3. ✘ Dominance X Additive Interaction
4. ✔ Additive X Additive Interaction

Question Number : 50 Question Id : 8740815267 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 frequency of recessive phenotype (aa) is 0.09 in random mating population, what is the proportion of its carrier (Aa) ?

Options :

1. ✘ 0.91
2. ✘ 0.81
3. ✔ 0.42
4. ✘ 0.21

Question Number : 51 Question Id : 8740815268 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 maintains stable equilibrium in the population ?

Options :

1. ✘ Selection in the favour of recessive homozygotes
2. ✔ Selection in the favour of heterozygotes
3. ✘ Selection against heterozygotes
4. ✘ Selection in the favour of dominant homozygotes

Question Number : 52 Question Id : 8740815269 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 rate of reproduction of different genotypes in a population is called :

Options :

1. ✘ Heritability
2. ✔ Selection
3. ✘ Genetic Advance
4. ✘ Selection differential

Question Number : 53 Question Id : 8740815270 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 is not true for quantitative traits ?

Options :

1. ✘ Low heritability
2. ✔ High heritability
3. ✘ More effect of environment
4. ✘ Continuous variation

Question Number : 54 Question Id : 8740815271 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 factor mating design provides estimates of :

Options :

1. ✘ Additive variance
2. ✔ Genotypic variance
3. ✘ Dominance variance
4. ✘ Additive and dominance variance

Question Number : 55 Question Id : 8740815272 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 is not true for random mating population ?

Options :

1. ✘ No control mating
2. ✘ Each individual has equal chance for mating
3. ✔ Genotype of one or few individual are important
4. ✘ Gene frequency and gene pool are main attributes

Question Number : 56 Question Id : 8740815273 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 statements is not true ?

Options :

1. ✘ Pure line selection can be utilized for rectification of the original variety
2. ✘ Ear to row method can be used for improvement of the composite variety
3. ✔ GCA & SCA can be exploited for development of synthetic variety
4. ✘ A composite variety is the mixture of outstanding strains

Question Number : 57 Question Id : 8740815274 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 marker assisted back cross method, specific marker can be used for :

Options :

1. ✘ Selection of heterozygous plants
2. ✘ Selection of nearly homozygous plants
3. ✘ Selection of advance line
4. ✔ Selection of target traits

Question Number : 58 Question Id : 8740815275 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Southern corn leaf blight is associated with :

Options :

1. ✘ CMS-C
2. ✔ CMS-T
3. ✘ CMS-S
4. ✘ N-Cytoplasm

Question Number : 59 Question Id : 8740815276 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 chemical mutagens affect only replicating DNA ?

Options :

1. ✘ Deaminating agent
2. ✘ Alkylating agent
3. ✔ Base analogous
4. ✘ Acridine dyes

Question Number : 60 Question Id : 8740815277 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

UV light usually cause mutations by which one of the following mechanism ?

Options :

1. ✘ Ionization
2. ✔ Induction of thymine dimers
3. ✘ Transversion
4. ✘ Single stand break in DNA

Question Number : 61 Question Id : 8740815278 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 plant having somatic chromosome number (2n) 14, how many types of secondary trisomic can be developed ?

Options :

1. ✘ 7
2. ✔ 14
3. ✘ 21
4. ✘ 28

Question Number : 62 Question Id : 8740815279 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 analogue of 5-bromouracil is :

Options :

1. ✘ Adenine
2. ✘ Cytosine
3. ✔ Thymine
4. ✘ Guanine

Question Number : 63 Question Id : 8740815280 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 chromosomal aberrations change the concerned linkage groups ?

Options :

1. ✔ Translocation
2. ✘ Duplication
3. ✘ Rearrangement
4. ✘ Deletions

Question Number : 64 Question Id : 8740815281 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 is not correct ?

Options :

1. ✘ Spontaneous mutation occurs in nature
2. ✘ Stadler described the mutagenic effect of x ray in Barley
3. ✔ *Triticum turgidum* is hexaploid wheat
4. ✘ Most mutant alleles are pleiotropic

Question Number : 65 Question Id : 8740815282 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Dominant mutation can be selected in :

Options :

1. ✔ M_1 generation
2. ✘ M_2 generation
3. ✘ M_3 generation
4. ✘ M_6 generation

Question Number : 66 Question Id : 8740815283 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 induced by alkylating agent ?

Options :

1. ✘ DNA backbone break
2. ✔ Depurination
3. ✘ G : C to A : T transition

4. ✘ Transversion (A/G : C/T)

Question Number : 67 Question Id : 8740815284 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 translocated heterozygote, which of the following disjunctions will yield balanced gametes ?

Options :

1. ✘ Adjacent I

2. ✔ Alternate

3. ✘ Unequal

4. ✘ Adjacent II

Question Number : 68 Question Id : 8740815285 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Univalent shift will occur in the progeny of :

Options :

1. ✘ Trisomic

2. ✘ Nullisomic

3. ✔ Monosomic

4. ✘ Tetrasomic

Question Number : 69 Question Id : 8740815286 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 tertiary trisomic, the extra chromosome is :

Options :

1. ✘ An accessory chromosome
2. ✘ A telocentric chromosome
3. ✔ A translocated chromosome
4. ✘ An isochromosome

Question Number : 70 Question Id : 8740815287 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Substitution haploids are represented by :

Options :

1. ✘ $n - I$
2. ✘ $n + I$
3. ✔ $n + I - I$
4. ✘ $n + 2 - 1$

Question Number : 71 Question Id : 8740815288 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 chromosome substitution using a nullisomic line, the F_1 is subjected to :

Options :

1. ✔ Backcrossing to nullisomic parent
2. ✘ Chromosome doubling

3. ✘ Backcrossing to disomic parent
4. ✘ Self pollination

Question Number : 72 Question Id : 8740815289 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Proline accumulation and translocation of stem reserves are examples of which mechanism to cope with drought in plants ?

Options :

1. ✘ dehydration avoidance
2. ✔ dehydration tolerance
3. ✘ drought escape
4. ✘ drought hyper-sensitivity

Question Number : 73 Question Id : 8740815290 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Membrane integrity for heat tolerance in plants is tested by :

Options :

1. ✘ Tetrazolium test
2. ✘ Chlorophyll fluorescence
3. ✔ Electrical conductivity test of leaf tissue
4. ✘ Transpiration rate

Question Number : 74 Question Id : 8740815291 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 technique not used for transformation of plant cells in recombinant procedures is :

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

Options :

1. Biolistics
2. Agrobacterium mediation
3. Use of viruses
4. Micro-injection

Question Number : 75 Question Id : 8740815292 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 tobacco plant has been made resistant to tobacco mosaic virus by :

Options :

1. ✘ Introducing T-DNA of Agrobacterium
2. ✔ Introducing a gene for viral coat protein
3. ✘ Introducing meristematic activity in somatic cells
4. ✘ Applying newer generation pesticide to the crops

Question Number : 76 Question Id : 8740815293 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 goal were to create a plant resistant to insect, which cell-based plant technology would be most effective ?

Options :

1. ✘ Clonal propagation
2. ✘ Cybridisation
3. ✘ Protoplast fusion
4. ✔ Mutant selection

Question Number : 77 Question Id : 8740815294 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 transgenics, the expression of transgene in target tissue is determined by :

Options :

1. ✘ Enhancer
2. ✘ Transgene
3. ✔ Promoter
4. ✘ Reporter

Question Number : 78 Question Id : 8740815295 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 of the options given below is true for the following statements :

Statement I. Non-homologous DNA will attach to a DNA probe.

Statement II. At high temperature, two complementary DNA will anneal.

Options :

1. ✘ Only statement I is true

2. ✘ Only statement II is true
3. ✘ Both statements I and II are true
4. ✔ Both statements I and II are false

Question Number : 79 Question Id : 8740815296 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Monoclonal antibodies are not used in :

Options :

1. ✘ Pregnancy tests
2. ✘ Cancer detection
3. ✘ ELISA
4. ✔ Diagnosis of diabetes

Question Number : 80 Question Id : 8740815297 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 prokaryotes, the ribosomal binding site on mRNA is called :

Options :

1. ✘ Hogness sequence
2. ✔ Shine-Dalgarno sequence
3. ✘ Prinbow sequence

4. ✘ TATA box

Question Number : 81 Question Id : 8740815298 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

At which cell cycle check-point is the cell cycle halted, if the cell's DNA is damaged ?

Options :

1. ✔ G1-S
2. ✘ S-G2
3. ✘ G2-M
4. ✘ G 1-M

Question Number : 82 Question Id : 8740815299 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 Feulgen reaction, reddish-purplish stain occurs when DNA is treated with :

Options :

1. ✘ Cold acid with Schiff's reagent
2. ✔ Warm acid with Schiff's reagent
3. ✘ Strong alkali with Schiff's reagent
4. ✘ Weak alkali with Schiff's reagent

Question Number : 83 Question Id : 8740815300 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Meiosis and constitution of chromatids in paracentric inversion of chromosome lead to :

Options :

1. ✓ Bridge and acentric fragment
2. ✗ No bridge but acentric fragment
3. ✗ No bridge and acrocentric chromosome
4. ✗ Bridge but no acentric fragment

Question Number : 84 Question Id : 8740815301 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Number of chromosome in endosperm of *Triticum aestivum* :

Options :

1. ✓ 63
2. ✗ 42
3. ✗ 21
4. ✗ 28

Question Number : 85 Question Id : 8740815302 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 non-pathogenic nematode used for elucidation of interference RNA technology is :

Options :

1. ✗ *Meloidogyne incognita*

2. ✓ *Caenorhabditis elegans*

3. ✗ *Heterorhabditis megidis*

4. ✗ *Longidorus sp.*

Question Number : 86 Question Id : 8740815303 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 best source of aneuploids are :

Options :

1. ✓ Autotriploids

2. ✗ Haploids

3. ✗ Autotetraploid

4. ✗ Translocation heterozygotes

Question Number : 87 Question Id : 8740815304 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Gene suppressing homeologous chromosomes pairing in wheat, is present on chromosome :

Options :

1. ✗ 5A

2. ✓ 5B

3. ✗ 5D

4. ✘ 7D

Question Number : 88 Question Id : 8740815305 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Objective of pedigree method is :

Options :

1. ✘ Combination breeding
2. ✘ Transgressive breeding
3. ✔ Combination and transgressive breeding
4. ✘ Resistance breeding

Question Number : 89 Question Id : 8740815306 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 'n' differential hosts and 'r' types of disease reaction, the number of physiological races will be :

Options :

1. ✘ n^r
2. ✔ r^n
3. ✘ $r^r/2$
4. ✘ $n \times r$

Question Number : 90 Question Id : 8740815307 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Who was the first to propose Single Seed Descend method ?

Options :

1. ✓ Goulden
2. ✗ Brim
3. ✗ Briggs
4. ✗ Tatum

Question Number : 91 Question Id : 8740815308 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

What is genetic gain ?

Options :

1. ✗ It is the difference between performance of two selected plants
2. ✗ It is the difference between mean performance of selected plants over check variety
3. ✗ It is the difference between mean performance of selected plants, over base population
4. ✓ It is the difference between mean performance of progenies of selected plants, over base population

Question Number : 92 Question Id : 8740815309 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 random mating population is at equilibrium or not can be easily determined using :

Options :

1. ✗ t-test

2. ✘ z-test
3. ✔ χ^2 -test
4. ✘ F-test

Question Number : 93 Question Id : 8740815310 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Recurrent Selection for GCA is basically an early testing method suggested by :

Options :

1. ✔ Jenkins
2. ✘ East
3. ✘ Shull
4. ✘ Harlan

Question Number : 94 Question Id : 8740815311 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 objective of Recurrent Selection for SCA is to develop an inbred line which will combine well with the :

Options :

1. ✔ Tester inbred
2. ✘ Best inbred
3. ✘ A single cross
4. ✘ An open pollinated variety

Question Number : 95 Question Id : 8740815312 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

How many types of histone proteins are present in chromatin ?

Options :

1. ✘ 2

2. ✘ 3

3. ✘ 4

4. ✔ 5

Question Number : 96 Question Id : 8740815313 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 operon that controls tryptophan producing genes in *E coli* consists of :

Options :

1. ✘ Only one gene

2. ✘ 3 genes

3. ✘ 4 genes

4. ✔ 5 genes

Question Number : 97 Question Id : 8740815314 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Low level of glucose in bacterial cell leads to increase of :

Options :

1. ✔ cAMP

2. ✘ CAP
3. ✘ Lactase
4. ✘ Tryptophan

Question Number : 98 Question Id : 8740815315 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Random drift is :

Options :

1. ✘ Increasing desirable alleles in the population
2. ✘ Change in gene frequency due to selection pressure
3. ✘ Decreasing desirable alleles in the population
4. ✔ Change in gene frequency due to sampling error

Question Number : 99 Question Id : 8740815316 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

β -galactosidase enzyme splits lactose into which of the two parts ?

Options :

1. ✘ Glucose and fructose
2. ✘ Fructose and galactose
3. ✔ Glucose and galactose
4. ✘ Two molecules of glucose

Question Number : 100 Question Id : 8740815317 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 modified mass selection :

Options :

1. ✘ Altogether 1000 plant are selected on the basis of their phenotypic appearance
2. ✘ Unequal number of plants are selected from each block
3. ✔ Equal number of plants are selected from each block
4. ✘ 500 plants are selected from first block and 300 plants are selected from last block