

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:	987
Subject Name:	987
Creation Date:	2019-10-22 13:18:24
Duration:	120
Total Marks:	300
Display Marks:	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

RET_Human_and_Clinical_Genetics

Group Number :	1
Group Id :	76221160
Group Maximum Duration :	0
Group Minimum Duration :	120
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	300

Research_Methodology

Section Id :	762211119
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	40
Number of Questions to be attempted:	40
Section Marks:	120
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	762211119

Question Number : 1 Question Id : 7622115901 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Probability sampling is otherwise called :

सम्भाव्यता प्रतिदर्श को जाना जाता है :

Options :

Multiple choice

1. ✘ बहुविकल्पीय चयन

Uni-variate Analysis

2. ✘ यूनी-वैरिएट विश्लेषण

Random Sampling

3. ✔ यादृच्छिक प्रतिदर्श

Bi-variate Analysis

4. ✘ बाई-वैरिएट विश्लेषण

Question Number : 2 Question Id : 7622115902 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

A Research Report is a formal statement of

एक शोध रिपोर्ट का एक औपचारिक विवरण है।

Options :

Research Process

1. ✔ अनुसंधान प्रक्रिया

Research Problem

2. ✘ अनुसंधान समस्या

Data collection

3. ✘ आंकड़ा संग्रहण

Data Editing

4. ✘ डाटा एडिटिंग

Question Number : 3 Question Id : 7622115903 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is *not* covered under Intellectual Property Rights ?

निम्नलिखित में से कौन बौद्धिक संपदा अधिकारों के अंतर्गत *नहीं* आता है ?

Options :

Copyrights

1. ✘ कॉपीराइट

Patents

2. ✘ पेटेंट

Trademarks

3. ✘ ट्रेडमार्क

Thesaurus

4. ✔ थिसॉरस

Question Number : 4 Question Id : 7622115904 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

A bar chart or graph which shows the frequency of occurrence of each value of the variable which is being analysed is termed as :

स्तंभ चार्ट या ग्राफ जो चर के प्रत्येक मान को प्राप्त करने की आवृत्ति को दिखाता है जिसका विश्लेषण किया जा रहा है, को कहा जाता है :

Options :

Bar chart

1. ✘ स्तंभ चार्ट के रूप में

Histogram

2. ✔ कालिकचित्र के रूप में

Candle stick

3. ✘ कैंडल स्टिक के रूप में

Tabulation

4. ✖ सारणीयन के रूप में

Question Number : 5 Question Id : 7622115905 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The depth of research can be judged by :

शोध की गहराई का अंदाजा इससे लगाया जा सकता है :

Options :

Title of the research work

1. ✖ शोध कार्य का शीर्षक

Objective of research

2. ✔ शोध का उद्देश्य

Total expenditure of research

3. ✖ शोध का कुल खर्च

Duration of research

4. ✖ शोध की अवधि

Question Number : 6 Question Id : 7622115906 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The mean of a set scores is 50 and standard deviation is 10. If the score of each student is doubled the new median will be :

समुच्चय अंकों का माध्य 50 है तथा मानक विचलन 10 है। यदि प्रत्येक छात्र के अंकों को दोगुना कर दिया जाय, नई माध्यिका :

Options :

Remain unchanged

1. ✖ अपरिवर्तित रहेगी

Increase by double

2. ✔ दोगुना वृद्धि होगी

Decrease by half

3. ✖ आधा कम होगी

Become equal to the mean

4. ✖ माध्य के बराबर होगी

Question Number : 7 Question Id : 7622115907 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is *not* a type of research question ?

निम्न में से कौन अनुसंधान प्रश्न का प्रकार *नहीं* है ?

Options :

Predicting an outcome

1. ✖ परिणाम की भविष्यवाणी

Evaluating a phenomenon

2. ✖ घटना का मूल्यांकन

Developing good practice

3. ✖ अच्छी प्रक्रिया को बढ़ाना

A hypothesis

4. ✔ एक परिकल्पना

Question Number : 8 Question Id : 7622115908 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

All of the following are types of non-probability sampling techniques except :

निम्न में से सभी गैर-प्रायिकता प्रतिदर्श तकनीक के प्रकार हैं सिवाय :

Options :

Purposive sampling

1. ✖ सोद्देश्य प्रतिदर्श के

Snowball sampling

2. ✖ स्नोबॉल प्रतिदर्श के

Convenience sampling

3. ✖ सुविधा प्रतिदर्श के

Random sampling

4. ✓ यादृच्छिक प्रतिदर्श के

Question Number : 9 Question Id : 7622115909 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

To test null hypothesis, a researcher does *not* use :

नगण्य परिकल्पना का परीक्षण करने हेतु अनुसंधानकर्ता निम्न में से किसका प्रयोग *नहीं* करते हैं ?

Options :

Chi-square test

1. ✗ काई-स्क्वेयर परीक्षण

t-test

2. ✗ टी-परीक्षण

ANOVA

3. ✗ एनोवा

Factorial analysis

4. ✓ क्रमगुणित विश्लेषण

Question Number : 10 Question Id : 7622115910 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

P-value stands for :

पी० मूल्य का अभिप्राय है :

Options :

Probability value

1. ✓ प्रायिकता मूल्य

Preference value

2. ✗ वरीयता मूल्य

Pre-determined value

3. ✗ पूर्व-निश्चित मूल्य

Prescribed value

4. ✘ निर्धारित मूल्य

Question Number : 11 Question Id : 7622115911 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

In the process of conducting research "Formulation of Hypothesis" is followed by :

अनुसंधान करने की प्रक्रिया में "परिकल्पना के सूत्रीकरण" के बाद किया जाता है :

Options :

Statement of Objectives

1. ✘ उद्देश्यों का विवरण

Analysis of Data

2. ✘ आँकड़े का विश्लेषण

Selection of Research Tools

3. ✔ अनुसंधान साधनों का चयन

Collection of Data

4. ✘ आँकड़े का संग्रह

Question Number : 12 Question Id : 7622115912 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Longitudinal studies of cohort groups

दस्ता समूहों का अनुदैर्घ्य अध्ययन है :

Options :

Study the same people over time

1. ✘ कुछ समय पर एक ही लोगों का अध्ययन

Use panel members as participants

2. ✘ भागीदार के रूप में पेनल सदस्यों का उपयोग

Study attitudes at a single point in time

3. ✘ एक समय पर दृष्टिकोण का अध्ययन

Use different participants for each sequenced measurement

4. ✓ प्रत्येक अनुक्रमित मापन हेतु विभिन्न भागीदारों का उपयोग

Question Number : 13 Question Id : 7622115913 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

A deductive theory is one that :

निगमनिक सिद्धांत है :

Options :

Allows theory to emerge out of the data

1. ✘ जो सिद्धांत को आँकड़े से व्युत्पन्न होने देता है

Involves testing an explicitly defined hypothesis

2. ✓ जिसमें स्पष्ट तथा परिभाषित परिकल्पना का परीक्षण शामिल है

Allows for findings to feed back into the stock of knowledge

3. ✘ जिसका उद्देश्य है ज्ञान के संचय में प्रतिपुष्टि हेतु निष्कर्ष देना

Uses qualitative methods whenever possible

4. ✘ जो जब भी संभव हो गुणात्मक पद्धति का प्रयोग करता है

Question Number : 14 Question Id : 7622115914 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Meta data is the data that :

मेटा डाटा वह डाटा है जो :

Options :

Distribute other data

1. ✘ अन्य डाटा को बाँटता है

Collect other data

2. ✘ अन्य डाटा को एकत्रित करता है

Describes the other data

3. ✓ डाटा को बताता है

Destroy the data

4. ✘ डाटा को नष्ट करता है

Question Number : 15 Question Id : 7622115915 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Randomization is done to :

यादृच्छिकीकरण की जाती है :

Options :

Increase bias

1. ✘ अभिनति को बढ़ाने के लिए

Reduce bias

2. ✔ अभिनति को कम करने के लिए

For making hypothesis

3. ✘ परिकल्पना करने के लिए

To increase drug efficacy

4. ✘ औषधि क्षमता को बढ़ाने के लिए

Question Number : 16 Question Id : 7622115916 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Data is represented in form of notes, recordings and video tapes in :

आँकड़ा को नोट, रेकार्डिंग एवं वीडियोटेप के रूप में निरूपित किया जाता है :

Options :

Qualitative Research

1. ✔ गुणात्मक अनुसंधान में

Quantitative Research

2. ✘ परिमाणात्मक अनुसंधान में

Experimental Research

3. ✘ प्रयोगात्मक अनुसंधान में

Descriptive Research

4. ✘ वर्णनात्मक अनुसंधान में

Question Number : 17 Question Id : 7622115917 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Grounded theory is often used in formulation of :
ग्राउंडेड थ्योरी का प्रयोग प्रतिपादन में बहुधा किया जाता है :

Options :

Policies and Programme evaluation research

1. ✓ नीतियों एवं कार्यक्रम मूल्यांकन अनुसंधान के

Opportunity for exploring the facts

2. ✗ तथ्यों का पता लगाने हेतु अवसर के

Categorizing data

3. ✗ आँकड़ा को श्रेणीबद्ध करने के

Understanding the culture

4. ✗ संस्कृति को समझने के

Question Number : 18 Question Id : 7622115918 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Read the statement **A** and **B** and choose the correct option :

कथन **क** एवं **ख** को पढ़िए तथा सही विकल्प चुनिए :

Statement A : Variables can be manipulated, controlled or observed by the experimenter.

कथन **क** : चरों को प्रयोगकर्ता द्वारा काम में लाया, नियंत्रित या अवलोकित किया जा सकता है।

Statement B : Variables are not related to theoretical concepts.

कथन **ख** : चर सैद्धांतिक अवधारणाओं से संबंधित नहीं हैं।

Options :

Both the statements are true

1. ✗ दोनों कथन सत्य हैं

Statement **A** is true but **B** is false

2. ✓ कथन **क** सत्य है किन्तु कथन **ख** असत्य है

Both the statements are false

3. ✗ दोनों कथन असत्य हैं

Statement **A** is false but **B** is true

4. ✗ कथन **क** असत्य है किन्तु कथन **ख** सत्य है

Question Number : 19 Question Id : 7622115919 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is not a category of legal research ?

निम्नलिखित में कौन-सा विधिक शोध की श्रेणी में नहीं आता है ?

Options :

1. ✓ a parasitic discipline of law
परजीवी विषय के रूप में
2. ✘ a practical discipline of law
व्यावहारिक विषय के रूप में
3. ✘ an aspect of the humanities
मानविकी के एक पहलू के रूप में
4. ✘ an aspect of social sciences
सामाजिक विज्ञान के पहलू के रूप में

Question Number : 20 Question Id : 7622115920 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Rejection of null hypothesis when it is true is called :

सत्य होने की स्थिति में नगन्य परिकल्पना की अस्वीकृति क्या कहलाती है ?

Options :

1. ✘ Type II error
टाइप II त्रुटि
2. ✓ Type I error
टाइप I त्रुटि
3. ✘ Sampling error
प्रतिदर्श त्रुटि
4. ✘ Standard error
मानक त्रुटि

Question Number : 21 Question Id : 7622115921 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

In a research study one of the variables selected was (students') parents' occupation such as business, farming, service etc. What level of measurement is this ?

“अनुसंधान अध्ययन में चयनित एक चर माता-पिता का व्यवसाय जैसे व्यापार, खेती, सेवा इत्यादि। यह किस प्रकार का मापन है ?”

Options :

- 1. ✓ Nominal
सांकेतिक
- 2. ✗ Ordinal
क्रमसूचक
- 3. ✗ Interval
अन्तराल
- 4. ✗ Ratio
अनुपात

Question Number : 22 Question Id : 7622115922 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

What is standard error ?

मानक त्रुटि क्या है ?

Options :

- 1. ✓ Standard deviation of the sampling distribution of a statistic
सांख्यिकीय के प्रतिदर्श बंटन का मानक विचलन
- 2. ✗ Modal error value of the standard range of a statistic
सांख्यिकीय के मानक रेंज का मॉडल त्रुटि मान
- 3. ✗ Error in the calculation of standard deviation of a statistic
सांख्यिकीय के मानक विचलन के गणना में त्रुटि
- 4. ✗ Standardized statistic to minimize error
त्रुटि को कम करने के लिए मानकीकृत सांख्यिकीय

Question Number : 23 Question Id : 7622115923 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is helpful in determining sample size ?

प्रतिदर्श आकार का निर्धारण करने में निम्न में से कौन सहायक है ?

Options :

1. ✘ Russell 2000 index
रसेल 2000 सूचकांक
2. ✔ Cochran's formula
कोकरन का नियम
3. ✘ Tussad's formula
तुसाद का नियम
4. ✘ Spearman's formula
स्पीयरमैन का नियम

Question Number : 24 Question Id : 7622115924 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is not true about the case study method ?

‘केस अध्ययन’ के बारे में निम्नलिखित में से क्या सत्य नहीं है ?

Options :

1. ✘ It is an expensive method of research
यह एक महंगी पद्धति है
2. ✘ There are many chances of making errors
इसमें त्रुटि होने की बहुत संभावना होती है
3. ✘ It is mainly qualitative in nature
यह मुख्यतया गुणात्मक होता है
4. ✔ It is quantitative in nature
यह मात्रात्मक होता है

Question Number : 25 Question Id : 7622115925 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Read statement A and B and Choose the correct option :

कथन क एवं ख को पढ़िए तथा सही विकल्प का चुनाव कीजिए :

Statement A : The Latin square design has an advantage over randomized block design because it is possible to control the effects of two secondary variables.

कथन क : लैटिन स्क्वायर डिजाइन यादृच्छिक ब्लॉक डिजाइन से अधिक लाभदायक है क्योंकि यह दो गौण चरों के प्रभाव को नियंत्रित करने में संभव है।

Statement B : A $2 \times 2 \times 2$ factorial design has six independent variables.

कथन ख : एक $2 \times 2 \times 2$ क्रमगुणित डिजाइन में छह स्वतंत्र चर होते हैं।

Options :

Both A and B are true

1. ✘ क एवं ख दोनों सत्य हैं

A is true and B is false

2. ✔ क सत्य है तथा ख असत्य है

Both A and B are false

3. ✘ क एवं ख दोनों असत्य हैं

A is false but B is true

4. ✘ क असत्य है लेकिन ख सत्य है

Question Number : 26 Question Id : 7622115926 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

A researcher is investigating teacher's attitude towards year-round schooling. She is particularly interested in describing the attitude of teachers from small, medium, and large schools. Which sampling procedure should be used by her to ensure her sample is representative of these types of schools ?

एक अनुसंधानकर्ता वर्ष भर स्कूलिंग के प्रति अध्यापक के मनोवृत्ति का अन्वीक्षण कर रही है। वह छोटे, मध्यम तथा बड़े स्कूलों से शिक्षकों के मनोवृत्ति की व्याख्या में विशेष रूप से दिलचस्पी ले रही है। उसे किस प्रतिदर्श विधि का प्रयोग करना चाहिए जिससे उसके प्रतिदर्श इन स्कूलों का सही प्रतिनिधित्व कर सकें ?

Options :

Cluster

1. ✘ समूह

Quota

2. ✘ कोटा

Systematic

3. ✘ योजनाबद्ध

Stratified

4. ✔ स्तरित

Question Number : 27 Question Id : 7622115927 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following type of research focuses on amending the prevailing situations ?

निम्न में से किस प्रकार का अनुसंधान अभिभावी स्थितियों को सुधारने पर संकेन्द्रित करता है ?

Options :

Action research

1. ✔ क्रियाविधि अनुसंधान

Experimental research

2. ✘ प्रयोगात्मक अनुसंधान

Fundamental research

3. ✘ मूलभूत अनुसंधान

Conclusive research

4. ✘ निर्णयात्मक अनुसंधान

Question Number : 28 Question Id : 7622115928 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

If there are eight categories or classes in a goodness of fit test, what will be the degree of freedom ?

यदि गुडनेस ऑफ फिट टेस्ट में आठ श्रेणियाँ या वर्ग हैं, तो स्वातंत्र्य कोटि क्या होगी ?

Options :

1. ✘ 8

2. ✔ 7

3. ✘ 6

Cannot tell on the basis of the information given

4. ✘ दिये गये जानकारी के आधार पर बताया नहीं जा सकता है

Question Number : 29 Question Id : 7622115929 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Qualitative research helps in collecting data under more situations.

गुणात्मक अनुसंधान अधिक स्थितियों में आँकड़ा एकत्रित करने में सहायता करता है।

Options :

Normal

1. ✘ सामान्य

Natural

2. ✔ प्राकृतिक

Experimental

3. ✘ प्रयोगात्मक

Artificial

4. ✘ कृत्रिम

Question Number : 30 Question Id : 7622115930 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Read statement A and B and choose the correct option :

कथन क एवं ख को पढ़िए तथा सही विकल्प चुनिए :

Statement A : A case study can be used only in clinical psychology.

कथन क : वृत्त अध्ययन (केस स्टडी) का प्रयोग केवल क्लिनिकल मनोविज्ञान में किया जा सकता है।

Statement B : The approach of case study is based on the artificial atmosphere.

कथन ख : वृत्त अध्ययन (केस स्टडी) का दृष्टिकोण कृत्रिम परिवेश पर आधारित है।

Options :

Both A and B are true

1. ✘ क एवं ख दोनों सत्य हैं

Statement A is true and but B is false

2. ✘ कथन क सत्य है लेकिन ख असत्य है

Both A and B are false

3. ✓ क एवं ख दोनों असत्य हैं

Statement A is false but B is true

4. ✘ कथन क असत्य है लेकिन ख सत्य है

Question Number : 31 Question Id : 7622115931 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which type of research focus on what will be ?

किस प्रकार का अनुसंधान क्या होगा पर फोकस करता है ?

Options :

Experimental

1. ✓ प्रयोगात्मक

Case study

2. ✘ वृत्त अध्ययन (केस स्टडी)

Survey

3. ✘ सर्वेक्षण

Ex-post facto

4. ✘ पूर्व प्रभावी

Question Number : 32 Question Id : 7622115932 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following should be up to date, complete and affordable for proper sampling ?

निम्न में से कौन उचित प्रतिदर्श हेतु अद्यतन, पूर्ण तथा संभव होना चाहिए ?

Options :

Sampling technique

1. ✘ प्रतिदर्श तकनीक

Sample frame

2. ✓ प्रतिदर्श फ्रेम

Respondents

3. ✖ प्रतिक्रिया दिखाने वाले

Tools for data collection

4. ✖ आँकड़ा संग्रह हेतु साधन

Question Number : 33 Question Id : 7622115933 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

What is a research design ?

अनुसंधान अभिकल्प क्या है ?

Options :

A way of conducting research that is not grounded in theory

1. ✖ अनुसंधान करने का तरीका जो सिद्धांत में आधारित नहीं है

The choice between using qualitative or quantitative methods

2. ✖ गुणात्मक एवं परिमाणात्मक पद्धतियों का प्रयोग करने के बीच विकल्प

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

3. ✖ शैली जिसमें आप अपने अनुसंधान निष्कर्ष अर्थात् ग्राफ को प्रस्तुत करते हैं

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

4. ✔ आँकड़ा के विश्लेषण तथा संग्रह के प्रत्येक प्रक्रम हेतु ढाँचा

Question Number : 34 Question Id : 7622115934 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

If a study is "reliable", this means that :

यदि अध्ययन विश्वसनीय है, इसका मतलब है कि :

Options :

It was conducted by a reputed researcher who can be trusted

1. ✖ यह प्रतिष्ठित अनुसंधानकर्ता द्वारा की जाती है जिस पर विश्वास किया जा सकता है

The measures devised for concepts are stable on different occasions

2. ✔ अवधारणाओं हेतु कल्पित उपाय विभिन्न अवसरों पर स्थिर होता है

The findings can be generalized to other social settings

3. ✘ निष्कर्ष को अन्य सामाजिक वातावरण के लिए सामान्यीकृत किया जा सकता है

The methods are stated clearly enough for the research to be replicated

4. ✘ अनुसंधान की प्रतिकृति किये जाने हेतु पद्धतियों को स्पष्ट रूप से पर्याप्त बताया गया है

Question Number : 35 Question Id : 7622115935 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Ethical norms in research does *not* involve guidelines for which of the following ?

अनुसंधान में नीतिपरक मानक में निम्न में किसके लिए दिशा-निर्देश शामिल *नहीं* है ?

Options :

Thesis Format

1. ✔ शोध प्रबन्ध प्रारूप

Copyright

2. ✘ कॉपीराइट

Patenting policy

3. ✘ पेटेंट नीति

Data sharing policy

4. ✘ डाटा शेयरिंग नीति

Question Number : 36 Question Id : 7622115936 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

..... is *not* a source of Hypothesis.

..... परिकल्पना का एक स्रोत *नहीं* है।

Options :

Intuition

1. ✘ सहज बोध

Knowledge

2. ✘ ज्ञान

Energy

3. ✓ ऊर्जा

Theory

4. ✗ सिद्धान्त

Question Number : 37 Question Id : 7622115937 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following variables cannot be expressed in quantitative terms ?

निम्नलिखित में से किस चर को मात्रात्मक शब्दों में व्यक्त नहीं किया जा सकता है ?

Options :

Socio-economic status

1. ✗ सामाजिक आर्थिक स्थिति

Marital status

2. ✗ वैवाहिक स्थिति

Numerical aptitude

3. ✓ संख्यात्मक अभिरुचि

Professional aptitude

4. ✗ पेशेवर अभिरुचि

Question Number : 38 Question Id : 7622115938 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is *not* a citation style ?

निम्नलिखित में से कौन एक उद्धरण विधि *नहीं* है ?

Options :

A.P.A.

1. ✗ ए० पी० ए०

M.L.A.

2. ✗ एम० एल० ए०

Chicago

3. ✘ शिकागो

Ohio

4. ✔ ओहियो

Question Number : 39 Question Id : 7622115939 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is not a defining characteristics of non-doctrinal research ?

निम्नलिखित में से क्या गैर-सैद्धान्तिक शोध का परिभाषिक लक्षण नहीं है ?

Options :

It is organized around legal principles and appellate court decisions.

1. ✔ यह विधिक सिद्धान्तों और अपीलिय न्यायालय के निर्णयों के चारों तरफ व्यवस्थित होता है।

It puts lesser emphasis upon doctrines.

2. ✘ यह सिद्धान्तों पर कम बल देता है।

It seeks to answer broader and numerous questions.

3. ✘ यह वृहद् एवम् अनेक प्रश्नों के उत्तर खोजने की कोशिश करता है।

It may involve the use of research tools and perspectives not peculiar to law.

4. ✘ इसमें ऐसा शोध औजार और दृष्टिकोण प्रयुक्त हो सकता है जो केवल विधि तक सीमित नहीं होते हैं।

Question Number : 40 Question Id : 7622115940 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is *not* true about positivism ?

निम्नलिखित में से कौन यथार्थवाद (पॉजिटिविज्म) के संबंध में सही *नहीं* है ?

Options :

It is associated with Auguste Comte

1. ✘ यह अगस्ट कौंटे के साथ जुड़ा है

It denies metaphysical speculation

2. ✘ यह तत्वमीमांसिक अटकलबाजी की अवहेलना करता है

It emphasises on objectivity

3. ✘ यह वस्तुनिष्ठता पर जोर देता है

It is a method used in qualitative research

4. ✔ यह एक विधि है जिसका प्रयोग गुणात्मक शोध में होता है

Subject_&_Area Concerned

Section Id :	762211120
Section Number :	2
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	60
Number of Questions to be attempted:	60
Section Marks:	180
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	762211120
Question Shuffling Allowed :	Yes

Question Number : 41 Question Id : 7622115941 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

An allele is known as :

Options :

1. ✘ Another word for gene

2. ✘ A homozygous genotype

3. ✘ A heterozygous genotype

4. ✔ Alternative form of a gene

Question Number : 42 Question Id : 7622115942 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The technique which helped in deciphering DNA structure is ?

Options :

1. ✘ Spectrophotometry
2. ✘ Electron microscope
3. ✔ X-ray crystallography
4. ✘ Histochemistry

Question Number : 43 Question Id : 7622115943 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is a Mendelian Disorder ?

Options :

1. ✘ Down's Syndrome
2. ✘ Turner's Syndrome
3. ✔ Phenylketoneuria
4. ✘ Diabetes

Question Number : 44 Question Id : 7622115944 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Pleiotropy is defined as :

Options :

1. ✘ Single gene affecting single trait
2. ✘ Single gene affecting only males
3. ✔ Single gene affecting variety of traits
4. ✘ Single gene affecting only females

Question Number : 45 Question Id : 7622115945 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Consanguinity shows a strong association with which pattern of inheritance ?

Options :

1. ✘ Autosomal dominant
2. ✔ Autosomal recessive
3. ✘ X-linked dominant
4. ✘ X-linked recessive

Question Number : 46 Question Id : 7622115946 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is known as Royal disease ?

Options :

1. ✘ Colour blindness
2. ✘ Thalassemia
3. ✔ Haemophilia
4. ✘ Hyper cholesterolemia

Question Number : 47 Question Id : 7622115947 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Patau's syndrome occur due to ?

Options :

1. ✔ Trisomy of chromosome 13
2. ✘ Trisomy of chromosome 21
3. ✘ Trisomy of chromosome 18
4. ✘ Trisomy of chromosome 5

Question Number : 48 Question Id : 7622115948 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

In human, which of the following genotype is the result of aneuploidy of sex chromosome ?

Options :

1. ✓ 46, XXXY
2. ✗ 46, XX
3. ✗ 46 XY+18
4. ✗ 47, XX+21

Question Number : 49 Question Id : 7622115949 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

An example of point mutation causing a disease :

Options :

1. ✗ DiGeorge Syndrome
2. ✗ Turner's Syndrome
3. ✓ Sickle cell disease
4. ✗ Night blindness

Question Number : 50 Question Id : 7622115950 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Neural tube defect is considered as a :

Options :

1. ✗ Monogenic disorder
2. ✗ Digenic disorder
3. ✗ Chromosomal disorder
4. ✓ Multifactorial disorder

Question Number : 51 Question Id : 7622115951 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Edward's Syndrome is most likely caused due to :

Options :

1. ✘ Crossing over
2. ✘ Linkage disequilibrium
3. ✘ Sex linked inheritance
4. ✔ Non-disjunction of chromosomes

Question Number : 52 Question Id : 7622115952 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The genes, which remain confined to the differential region of Y chromosome are known as ?

Options :

1. ✘ Sex limited genes
2. ✘ Holandric genes
3. ✔ Pseudo autosomal genes
4. ✘ Polymorphic genes

Question Number : 53 Question Id : 7622115953 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is a good example of quantitative trait inheritance ?

Options :

1. ✘ Cystic fibrosis
2. ✘ Alkaptonuria
3. ✔ Hypertension
4. ✘ Thalassemia

Question Number : 54 Question Id : 7622115954 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The G-6P dehydrogenase deficiency is associated with haemolysis of :

Options :

1. ✘ Lymphocytes
2. ✘ Platelets
3. ✘ Neutrophils
4. ✔ RBCs

Question Number : 55 Question Id : 7622115955 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Huntington chorea is a :

Options :

1. ✘ Virus induced disease
2. ✔ Autosomal dominant disease
3. ✘ Autosomal recessive disease
4. ✘ Multifactorial disease

Question Number : 56 Question Id : 7622115956 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which one of following disease shows mitochondrial inheritance pattern ?

Options :

1. ✔ LHON disease
2. ✘ Gaucher's disease
3. ✘ Pompe's disease
4. ✘ Hunter syndrome

Question Number : 57 Question Id : 7622115957 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Xeroderma pigmentosum is a disease caused due to :

Options :

1. ✘ Defective melanin metabolism
2. ✘ Autoimmunity
3. ✘ Defective RecQ activity
4. ✔ Defective DNA repair

Question Number : 58 Question Id : 7622115958 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is a trinucleotide repeat expansion disorder ?

Options :

1. ✔ Fragile X syndrome
2. ✘ Bloom's Syndrome
3. ✘ Marfan Syndrome
4. ✘ MELAS

Question Number : 59 Question Id : 7622115959 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

What would be the number of bar bodies in female having XXXX genotype ?

Options :

1. ✘ One
2. ✘ Two
3. ✔ Three

4. ✘ Four

Question Number : 60 Question Id : 7622115960 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

What is Locus heterogeneity ?

Options :

1. ✘ Different disease with similar clinical symptoms
2. ✔ Same disease or phenotype caused by mutations in different locus
3. ✘ One locus affecting one disease
4. ✘ Unknown locus causing a disease

Question Number : 61 Question Id : 7622115961 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Plasmids are ?

Options :

1. ✔ Small circular DNA molecules that are free in the cytosol
2. ✘ Small linear DNA molecules that are free in the cytosol
3. ✘ Small circular DNA molecules that remain incorporated in the genomic DNA
4. ✘ Large linear RNA molecules that are free in the cytosol

Question Number : 62 Question Id : 7622115962 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The length of DNA wrapped around a nucleosome core is ?

Options :

1. ✔ 146 base pairs
2. ✘ 200 base pairs

3. ✘ 203 base pairs

4. ✘ 20 to 100 base pairs

Question Number : 63 Question Id : 7622115963 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

In a karyotype the chromosomes are ordered by :

Options :

1. ✘ Size of the chromosomes

2. ✘ Size of the chromosomes and position of the centromere

3. ✘ Position of the centromere and long arm to short arm ratio

4. ✔ Size of the chromosomes and long arm to short arm ratio

Question Number : 64 Question Id : 7622115964 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Amniocentesis is used for knowing :

Options :

1. ✔ Chromosome aberrations in the foetus

2. ✘ Age of the foetus

3. ✘ Growth of cancer

4. ✘ Malformations

Question Number : 65 Question Id : 7622115965 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Scanning electron microscope is preferred for ?

Options :

1. ✘ Very large and sharp image

2. ✓ Three-dimensional image
3. ✗ Fluorescent image
4. ✗ Two-dimensional image

Question Number : 66 Question Id : 7622115966 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The technique where electric field is used in separating nucleic acid or Proteins
is :

Options :

1. ✗ Ion exchange chromatography
2. ✓ Electrophoresis
3. ✗ Thin layer chromatography
4. ✗ Coloum chromatography

Question Number : 67 Question Id : 7622115967 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

A dominant trait is expressed in :

Options :

1. ✗ Homozygous state only
2. ✗ Heterozygous state only
3. ✗ Neither homozygous nor heterzygous states
4. ✓ Both homozygous and heterozygous states

Question Number : 68 Question Id : 7622115968 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Crossing over occurs during :

Options :

1. ✓ Pachytene
2. ✗ Diplotene
3. ✗ Diakinesis
4. ✗ Leptotene

Question Number : 69 Question Id : 7622115969 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Process of genetic mutation is :

Options :

1. ✗ Reversible
2. ✗ Irreversible
3. ✗ Partially reversible
4. ✓ Continuous

Question Number : 70 Question Id : 7622115970 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which one can reverse the harmful effect of previous mutation ?

Options :

1. ✗ Intergenic mutation
2. ✗ Intragenic mutation
3. ✓ Suppressor mutation
4. ✗ Indirect suppression

Question Number : 71 Question Id : 7622115971 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Map distance of genes is calculated by :

Options :

1. ✘ Number of mutant genes
2. ✔ Cross over percentage
3. ✘ Non cross-over percentage
4. ✘ Recombination frequency of each gene locus

Question Number : 72 Question Id : 7622115972 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

A nonsense mutation involves :

Options :

1. ✘ a regulatory sequence
2. ✘ an AG splice acceptor site
3. ✘ the creation of a different amino acid
4. ✔ the creation of a stop codon

Question Number : 73 Question Id : 7622115973 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following enzyme is used to cut DNA molecule in recombinant DNA technology ?

Options :

1. ✘ Ligase
2. ✘ Recombinase
3. ✔ Restriction enzymes
4. ✘ Ribonuclease

Question Number : 74 Question Id : 7622115974 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The presence of two or more cell lines from different zygotes in a single individual is known as :

Options :

1. ✘ mosaicism
2. ✘ diploidy
3. ✘ aneuploidy
4. ✔ chimaerism

Question Number : 75 Question Id : 7622115975 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Philadelphia chromosome occurs in patients suffering from :

Options :

1. ✔ Leukemia
2. ✘ Rickets
3. ✘ Hepatitis
4. ✘ Albinism

Question Number : 76 Question Id : 7622115976 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Crossing over in diploid organism is responsible for :

Options :

1. ✘ Dominance of genes
2. ✘ Segregation of alleles
3. ✔ Recombination of linked genes
4. ✘ Linkage between genes

Question Number : 77 Question Id : 7622115977 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Positional cloning refers to :

Options :

1. ✘ Using a selection procedure to clone a cDNA
2. ✘ Cloning a portion of a gene using PCR
3. ✘ Isolating a gene by PCR using primers from another species
4. ✔ Mapping a gene to a chromosomal region and then identifying and cloning a genomic copy of the gene from the region

Question Number : 78 Question Id : 7622115978 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Normal adult haemoglobin (Hb A) consists of :

Options :

1. ✔ Two α (alpha) and two β (beta) chains
2. ✘ Two α (alpha) and two γ (gamma) chains
3. ✘ Two α (alpha) and two δ (delta) chains
4. ✘ Four γ (gamma) chains

Question Number : 79 Question Id : 7622115979 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The back cross is :

Options :

1. ✘ A cross between F1 individual and F2 individual
2. ✘ A cross between an F1 individual with another F1 individual
3. ✔ Cross between F1 and one of the two parents
4. ✘ Cross between F2 with one of the parents

Question Number : 80 Question Id : 7622115980 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

LINEs and SINEs are :

Options :

1. ✘ Micro-RNA
2. ✔ Transposable elements
3. ✘ Ribosomal-RNA
4. ✘ 3' untranslated region

Question Number : 81 Question Id : 7622115981 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Haldane's function :

Options :

1. ✘ Estimates expression of a gene
2. ✘ Calculates level of protein expression
3. ✔ Calculates map distance
4. ✘ Estimates function of a gene

Question Number : 82 Question Id : 7622115982 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following conditions is a peroxisomal disorder ?

Options :

1. ✘ Acute intermittent porphyria
2. ✘ Maple syrup urine disease
3. ✘ Medium chain acyl-CoA dehydrogenase deficiency
4. ✔ Zellweger syndrome

Question Number : 83 Question Id : 7622115983 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Advantages of using adenoviruses for gene therapy include :

Options :

1. ✘ long term expression
2. ✔ low risk and large transgene insertional mutagenesis
3. ✘ low immunogenicity
4. ✘ easy assembly

Question Number : 84 Question Id : 7622115984 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Allelic heterogeneity is :

Options :

1. ✔ the existence of many different mutations, but all in the same gene
2. ✘ the existence of many different mutations, but all in the different genes
3. ✘ the existence of a single mutation, in different unrelated people with different phenotype
4. ✘ combined effect of many different mutations, but all in different genes

Question Number : 85 Question Id : 7622115985 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Haemophilia is more common in males because :

Options :

1. ✘ It is a dominant character carried by Y chromosome
2. ✘ It is a recessive character carried by Y chromosome
3. ✘ It is a dominant character carried by X chromosome

4. ✓ It is a recessive character carried by X chromosome

Question Number : 86 Question Id : 7622115986 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is an important intermediate in the biosynthesis of fatty acids ?

Options :

1. ✓ Malonyl-CoA

2. ✗ Cholesterol

3. ✗ Glucose

4. ✗ Acetyl-CoA

Question Number : 87 Question Id : 7622115987 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

What is the most important factor in determining the native, three dimensional structure of a protein ?

Options :

1. ✗ The number of disulfide bonds

2. ✗ Interactions of protein molecules with solvent

3. ✓ The sequence of amino acids in protein

4. ✗ The origin of the protein

Question Number : 88 Question Id : 7622115988 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

In a Robertsonian translocation fusion occurs at the :

Options :

1. ✗ telomeres

2. ✓ centromeres

3. ✘ histones

4. ✘ ends of the long arms

Question Number : 89 Question Id : 7622115989 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Operon occur in :

Options :

1. ✘ only prokaryotes

2. ✔ primarily in prokaryotes and in some eukaryotes including nematodes

3. ✘ all prokaryotes and all eukaryotes

4. ✘ primarily in eukaryotes and also in many prokaryotes

Question Number : 90 Question Id : 7622115990 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The technique Yeast two hybrid is to :

Options :

1. ✘ Check Protein expression

2. ✘ Cloning large pieces of DNA

3. ✘ Identification of exons and intron

4. ✔ Protein-protein interaction

Question Number : 91 Question Id : 7622115991 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

From what cellular material is the cDNA library derived :

Options :

1. ✘ tRNA

2. ✔ mRNA

3. ✘ DNA

4. ✘ Pre mRNA

Question Number : 92 Question Id : 7622115992 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Repeat core sequences consisting of 2, 3, or 4 base pairs are known as what ?

Options :

1. ✘ Single nucleotide polymorphisms (SNPs)

2. ✔ Microsatellites

3. ✘ Minisatellites

4. ✘ Satellites

Question Number : 93 Question Id : 7622115993 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

A disease that can never be transmitted from father to son :

Options :

1. ✘ Autosomal

2. ✔ Mitochondrial

3. ✘ X-linked

4. ✘ None of the three

Question Number : 94 Question Id : 7622115994 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Post transcriptional insertion or deletion of nucleotides is called as :

Options :

1. ✘ Trans splicing

2. ✔ RNA editing

3. ✘ Alternate splicing

4. ✘ Cis splicing

Question Number : 95 Question Id : 7622115995 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Peptidyl transferase activity is present in :

Options :

1. ✘ 30S subunit of ribosome

2. ✔ 50S subunit of ribosome

3. ✘ t-RNA

4. ✘ as an independent enzyme

Question Number : 96 Question Id : 7622115996 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

In polymerase chain reaction, the correct sequence of events is :

Options :

1. ✘ elongation-denaturation-annealing

2. ✘ denaturation-elongation-annealing

3. ✔ denaturation-annealing-elongation

4. ✘ annealing-elongation-denaturation

Question Number : 97 Question Id : 7622115997 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which is not a proto-oncogene ?

Options :

1. ✔ APC

2. ✘ c-myc

3. ✘ n-ras

4. ✘ n-myc

Question Number : 98 Question Id : 7622115998 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

A polyclonal antibody response :

Options :

1. ✘ is not antigen-specific

2. ✘ is produced only in response to polymeric antigens

is produced by several B cells recognizing different epitopes on the same

3. ✔ antigen

4. ✘ occurs during the lag phase of the immune response

Question Number : 99 Question Id : 7622115999 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following vitamins would most likely be deficient in a person who develops a completely carnivorous lifestyle ?

Options :

1. ✘ Thiamine

2. ✘ Niacin

3. ✘ Cobalamine

4. ✔ Vitamin C

Question Number : 100 Question Id : 7622116000 Question Type : MCQ Option Shuffling : Yes Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical Allowed Progression : Yes Number of Replay : 999 Play On Load :
No Control Enable : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The unit for Michaelis constant K_m is :

Options :

1. ✘ Time, in seconds or minutes

2. ✘ Moles/sec

3. ✔ Moles/litre

4. ✘ Moles/liter-sec