

Banaras Hindu University

Notations :

- Options shown in green color and with ✓ icon are correct.
- Options shown in red color and with ✗ icon are incorrect.

Question Paper Name :	887 11th April 2021 Shift 2
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Magnifying Glass Required? :	No
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Show Watermark on Console? :	Yes
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RET_Biochemistry

Group Number :	1
Group Id :	509398161
Group Maximum Duration :	0
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Research_Methodology

Section Id :	509398260
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 :	509398287
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 50939818323 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

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

Options :

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

Question Number : 2 Question Id : 50939818324 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The protocol of asking pre-meditated questions in instruments of data collection is :

समक संग्रह के उपकरणों में पूर्व-मध्यस्थता प्रश्न पूछने का प्रोटोकॉल है :

Options :

- 1. ☒ Structured
संरचनात्मक
- 2. ☐ Unstructured
असंरचित
- 3. ☐ Free-rein
फ्री-रेन
- 4. ☐ Systematic
व्यवस्थित

Question Number : 3 Question Id : 50939818325 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Survey research is cross-sectional and therefore :

सर्वेक्षण अनुसंधान पार-अनुभागीय है और इसलिए :

Options :

- 1. ☒ High in replicability but low in internal validity
प्रतिकृति में उच्च लेकिन आंतरिक वैधता में कम
- 2. ☐ High in internal validity but low in reliability
आंतरिक वैधता में उच्च लेकिन विश्वसनीयता में कम
- 3. ☐ High in ecological validity but low in external validity
पारिस्थितिक वैधता में उच्च लेकिन बाहरी वैधता में कम
- 4. ☐ None of the three
तीनों में से कोई नहीं

Question Number : 4 Question Id : 50939818326 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Testing hypothesis is a
परिकल्पना परीक्षण है

Options :

- 1. ☒ Inferential statistics
आनुमानिक सांख्यिकी
- 2. ☐ Descriptive statistics
वर्णनात्मक सांख्यिकी
- 3. ☐ Data preparation
समंक का अयोजन
- 4. ☐ Data analysis
समंक का विश्लेषण

Question Number : 5 Question Id : 50939818327 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Inductive logic proceeds from :
आगमनात्मक तर्क अग्रसर होता है :

Options :

- 1. ☐ General to General
सामान्य से सामान्य
- 2. ☒ Particular to General
विशेष से सामान्य
- 3. ☐ General to Particular
सामान्य से विशेष
- 4. ☐ Particular to Particular
विशेष से विशेष

Question Number : 6 Question Id : 50939818328 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The sampling technique based on referral system of respondents is known as :
उत्तरदाताओं की रेफरल प्रणाली पर आधारित प्रतिचयन तकनीक को जाना जाता है :

Options :

- 1. ☐ Convenience Sampling
सुविधा प्रतिचयन
- 2. ☒ Snowball Sampling
स्नोबॉल प्रतिचयन
- 3. ☐ Cluster Sampling
समूह प्रतिचयन
- 4. ☐ Stratified Sampling
स्तरीकृत प्रतिचयन

Question Number : 7 Question Id : 50939818329 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

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

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

Options :

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

Question Number : 8 Question Id : 50939818330 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Likert scaling is based on :

लिकर्ट पैमाना आधारित है :

Options :

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

Question Number : 9 Question Id : 50939818331 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

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

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

Options :

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

Question Number : 10 Question Id : 50939818332 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

SHODHGANGOTRI is :

SHODHGANGOTRI है :

Options :

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

Question Number : 11 Question Id : 50939818333 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following statements about random sampling method is *not* true ?

यादृच्छिक न्यादर्श पद्धति के बारे में निम्नलिखित में से क्या सत्य *नहीं* है ?

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

Options :

In this methods, each unit has equal chance to be selected.

1. इस पद्धति में प्रत्येक इकाई के चयनित होने का समान अवसर होता है।

Each sample has equal chance of selection.

2. प्रत्येक प्रतिदर्श के चयन की सम्भावना समान होती है।

It is free from personal prejudices and bias

3. यह व्यक्तिगत पूर्वधारणाओं और पक्षपातों से रहित होता है।

This method is very simple to use

4. यह पद्धति प्रयोग करने में बेहद आसान है।

Question Number : 12 Question Id : 50939818334 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The English word 'Research' derives its origin from :

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

Options :

Latin

1. ✖ लैटिन

French

2. ✔ फ्रेंच

German

3. ✖ जर्मन

Italian

4. ✖ इटालियन

Question Number : 13 Question Id : 50939818335 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

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

Options :

Idiographic Approach

1. ✖ इडियोग्राफिक (वस्तुपरक) दृष्टिकोण

Nomothetic Approach

2. ✔ नोमोथेटिक (सिद्धान्तपरक) दृष्टिकोण

Empirical Approach

3. ✖ अनुभवजन्य दृष्टिकोण

Pragmatic Approach

4. ✖ यथार्थवादी दृष्टिकोण

Question Number : 14 Question Id : 50939818336 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

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

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

Which of the following options represents the correct order ?

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

Options :

- 1. ✓ B, A, D, C
- 2. ✗ B, D, A, C
- 3. ✗ B, C, A, D
- 4. ✗ B, C, D, A

Question Number : 15 Question Id : 50939818337 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Impact factor of a journal is defined as :

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

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

Options :

- It is the monthly average number of citations that articles published in the last twelve months in a given journal received
यह किसी दिए गए जर्नल में पिछले बारह महीनों में प्रकाशित लेखों की मासिक औसत उद्धरण संख्या है
- 1.
- It is the yearly average number of citations that articles published in the last four years in a given journal received
यह दी गई पत्रिका में पिछले चार वर्षों में प्रकाशित लेखों की वार्षिक औसत उद्धरण संख्या है
- 2.
- It is the yearly average number of citations that articles published in the last two years in a given journal received
यह किसी दिए गए जर्नल में पिछले दो वर्षों में प्रकाशित लेखों की वार्षिक औसत उद्धरण संख्या है
- 3.
- It is the yearly average number of citations that articles published in the last five years in a given journal received
यह दी गई पत्रिका में पिछले पाँच वर्षों में प्रकाशित लेखों की वार्षिक औसत उद्धरण संख्या है
- 4.

Question Number : 16 Question Id : 50939818338 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The three basic principles of experimental design are :
प्रयोगात्मक योजना के तीन मूलभूत सिद्धान्त हैं :

Options :

- 1. ✖ Replication, randomization and Substitution
रेप्लीकेशन, रैन्डमाइजेशन एवं सब्स्टीट्यूशन
- 2. ✔ Replication, randomization, and local control
रेप्लीकेशन, रैन्डमाइजेशन एवं लोकल कन्ट्रोल
- 3. ✖ Substitution, replication and local control
सब्स्टीट्यूशन, रेप्लीकेशन एवं लोकल कन्ट्रोल
- 4. ✖ Substitution, randomization and local control
सब्स्टीट्यूशन, रैन्डमाइजेशन एवं लोकल कन्ट्रोल

Question Number : 17 Question Id : 50939818339 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

Options :

- 1. ✖ Simple t-test
साधारण टी-परीक्षण
- 2. ✖ Chi square test
काई स्क्वायर परीक्षण
- 3. ✔ F-test
एफ-परीक्षण
- 4. ✖ Paired sample t-test
युग्मित सैम्पल टी-टेस्ट

Question Number : 18 Question Id : 50939818340 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

Options :

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

Question Number : 19 Question Id : 50939818341 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following graphical presentation is two dimensional ?

निम्न में से कौन आरेखीय प्रस्तुतीकरण दो अक्षीय है ?

Options :

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

Question Number : 20 Question Id : 50939818342 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Correlational Research can be classified from the perspectives of :

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

Options :

- 1. ✖ Applications of the findings of the research study.
शोध अध्ययन के निष्कर्षों के अनुप्रयोग के आधार पर।
- 2. ✔ Objectives of the research study.
शोध अध्ययन के उद्देश्य के आधार पर।
- 3. ✖ Mode of enquiry used in conducting the study.
अध्ययन के संचालन में उपयोग की जाने वाली जांच के तरीके के आधार पर।
- 4. ✖ Outcome of the research.
शोध के परिणाम के आधार पर।

Question Number : 21 Question Id : 50939818343 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

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

Options :

- 1. ✖ Disguised Observation
प्रच्छन्न अवलोकन
- 2. ✔ Participant Observation
प्रतिभागी अवलोकन

Non-Participant Observation

3. ✖ गैर-प्रतिभागी अवलोकन

Self Recording Observation

4. ✖ स्वयं रिकॉर्डिंग अवलोकन

Question Number : 22 Question Id : 50939818344 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

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

(A) American Physical Association

अमेरिकन फिजिकल एसोसिएशन

(B) Modern Linguistic Association

मॉडर्न लिंग्विस्टिक एसोसिएशन

(C) Oxford Standard for the Citation of Language Association

ऑक्सफोर्ड स्टैण्डर्ड फॉर द साइटेशन ऑफ लैंग्वेज एसोसिएशन

(D) Vancouver

वैंकूवर

Choose the correct answer from the codes given below :

निम्नलिखित में से कौन-सा सही कूट है :

Options :

(a), (b), (c) and (d)

1. ✖ (a), (b), (c) और (d)

(a), (b) and (c)

2. ✖ (a), (b) और (c)

(a) and (d)

3. ✖ (a) और (d)

(d) only

4. ✔ केवल (d)

Question Number : 23 Question Id : 50939818345 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

One-way ANOVA is used to :

एक-तरफा एनोवा का उपयोग किया जाता है :

Options :

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

यह निर्धारित करता है कि क्या एक स्वतंत्र समूह में हस्तक्षेप के पहले और बाद

1. ✖ के माध्य (mean) के बीच कोई सांख्यिकीय महत्वपूर्ण अंतर है

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

यह निर्धारित करता है कि क्या दो या अधिक स्वतंत्र समूहों के मध्यस्थों के बीच

2. ✖ कोई सांख्यिकीय महत्वपूर्ण अंतर है

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

यह निर्धारित करता है कि क्या दो या अधिक स्वतंत्र/असंबंधित समूहों के माध्य

3. ✔ (mean) के बीच कोई सांख्यिकीय महत्वपूर्ण अंतर है या नहीं

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

- निर्धारित करता है कि क्या दो या अधिक स्वतंत्र समूहों के वर्ग माध्य (squared mean) के बीच कोई सांख्यिकीय महत्वपूर्ण अन्तर है या नहीं
4. ✖

Question Number : 24 Question Id : 50939818346 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

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

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

Choose the correct answer from the codes given below :

नीचे दिए गए कोड में से सही उत्तर चुनें :

Options :

- (a), (b) and (c)
- (a), (b) और (c)

1. ✖

- (a), (b) and (d)
- (a), (b) और (d)

2. ✖

- (b) (c) and (d)
- (b) (c) और (d)

3. ✔

- (a), (c) and (d)
- (a), (c) और (d)

4. ✖

Question Number : 25 Question Id : 50939818347 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

कथन A और B पढ़ें और सही विकल्प चुनें :

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

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

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

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

Options :

- Both the statements are true.
- 1. ✔ दोनों कथन सत्य हैं।

- Both the statements are false.
- 2. ✖ दोनों कथन असत्य हैं।

Statement A is true but B is false.

3. ✖ कथन A सत्य है लेकिन B गलत है।

Statement B is true but A is false.

4. ✖ कथन B सत्य है लेकिन A गलत है।

Question Number : 26 Question Id : 50939818348 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

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

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

Choose the correct answer from the codes given below :

नीचे दिए गए कोड में से सही उत्तर चुनें :

Options :

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

Question Number : 27 Question Id : 50939818349 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

क्या एक परीक्षण एकतरफा है या दो तरफा है :

Options :

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

Question Number : 28 Question Id : 50939818350 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which measure of dispersion do not depends on all observations ?

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

Options :

Root mean & square deviation

1. ✖ मूल माध्य और वर्ग विचलन

Mean deviation

2. ✖ माध्य विचलन

Quartile deviation

3. ✔ चतुर्थक विचलन

Standard deviation

4. ✖ मानक विचलन

Question Number : 29 Question Id : 50939818351 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

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

Options :

Coefficient of alienation

1. ✖ परकीयकरण का गुणांक

Coefficient of variation

2. ✖ भिन्नता का गुणांक

Coefficient of determination

3. ✔ दृढ़ संकल्प का गुणांक

Coefficient of non-determination

4. ✖ गैर-निर्धारण का गुणांक

Question Number : 30 Question Id : 50939818352 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

A Scattergram is extremely effective :

एक स्कैटरग्राम अत्यंत प्रभावी है :

Options :

to show visually how two variables are covering

1. ✔ नेत्रहीन दिखाने के लिए कि दो चर कैसे ढकते हैं

in organising the scattered footnotes of the research.

2. ✖ शोध के बिखरे पांवों को व्यवस्थित करने में।

in organising the scattered bibliography of the research.

3. ✖ शोध की बिखरी हुई ग्रंथ सूची के आयोजन में।

in organising the scattered results drawn after the rigorous literature review.

4. ✖ कठोर साहित्य समीक्षा के बाद निकाले गए बिखरे परिणामों को व्यवस्थित करने में।

Question Number : 31 Question Id : 50939818353 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

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

Options :

Casual Comparative Research
कारणात्मक तुलनात्मक शोध

1. ✖

Historical Research
ऐतिहासिक शोध

2. ✖

Descriptive Research
विवरणात्मक शोध

3. ✔

Experimental Research
प्रायोगिक शोध

4. ✖

Question Number : 32 Question Id : 50939818354 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which one is called non-probability sampling ?

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

Options :

Quota sampling
कोटा प्रतिचयन

1. ✔

Cluster sampling
गुच्छ प्रतिचयन

2. ✖

Systematic sampling
सुनियोजित/व्यवस्थित प्रतिचयन

3. ✖

Stratified random sampling
स्तरित यादृच्छिक प्रतिचयन

4. ✖

Question Number : 33 Question Id : 50939818355 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

In an experimental design, the dependent variable is :

एक प्रयोगात्मक प्रारूप में निर्भर चर वो होता है जिसे/जिसमें :

Options :

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

1. ✔

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

2. ✖

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

3. ✖

An ambiguous concept whose meaning depends on how it is defined

एक अस्पष्ट अवधारणा माना जा सकता है जिसका अर्थ इस पर निर्भर करता है

4. ✖ कि उसे कैसे परिभाषित किया जाए।

Question Number : 34 Question Id : 50939818356 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

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

Options :

Case series

1. ✖ केस सीरीज

Cohort

2. ✔ कोहोर्ट

Case control

3. ✖ केस नियंत्रण

Experimental

4. ✖ प्रायोगिक

Question Number : 35 Question Id : 50939818357 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

In the process of conducting research, formulation of hypothesis is followed by :

अनुसंधान संचालन की प्रक्रिया में, उपकल्पना निर्माण का अनुसरण करता है :

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

Options :

Statement of objectives

1. उद्देश्यों का कथन

Collection of data

2. तथ्यों का संकलन

Analysis of data

3. तथ्यों का विश्लेषण

Selection of research tools

4. अनुसंधान यंत्रों का चयन

Question Number : 36 Question Id : 50939818358 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following features are considered as critical in qualitative research ?

निम्नलिखित में से कौन-सी विशेषताएँ गुणात्मक शोध के लिए महत्वपूर्ण मानी जाती हैं ?

Options :

Collecting data with the help of standardized research tools.

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

Design sampling with probability sample techniques.

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

Collecting data with bottom-up empirical evidence.

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

Gathering data with top-down schematic evidence.

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

Question Number : 37 Question Id : 50939818359 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

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

Options :

1. ✖ 5.2

2. ✔ 4.2

3. ✖ 3.2

4. ✖ 2.2

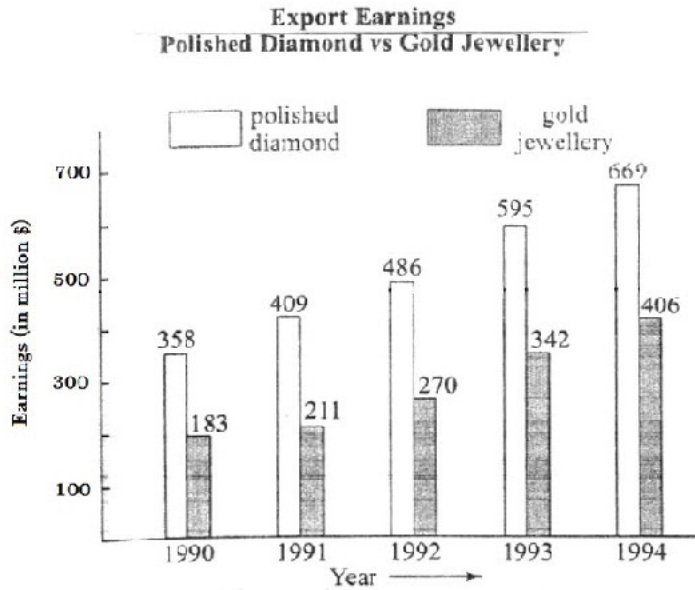
Question Number : 38 Question Id : 50939818360 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

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



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

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

Options :

1. 503.4 Million
503.4 मिलियन
2. 501.6 Million
501.6 मिलियन
3. 500 Million
500 मिलियन
4. 510 Million
510 मिलियन

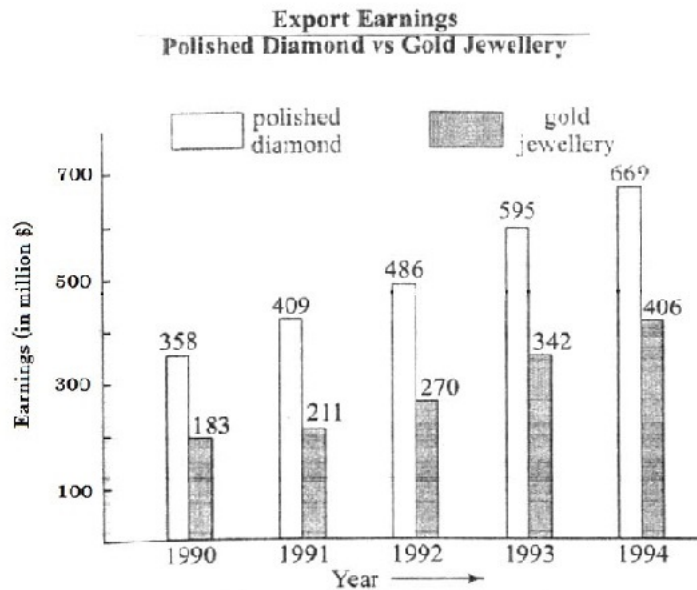
Question Number : 39 Question Id : 50939818361 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

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



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

Options :

1. ✓ 1994
2. ✗ 1993
3. ✗ 1991
4. ✗ 1992

Question Number : 40 Question Id : 50939818362 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Directions : Study the following table and answer the question given :
Production of different types of scooters in a company

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

Figures in '000

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

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

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

Options :

1. ✗ 20

2. ✓ 15

3. ✖ 23

4. ✖ 40

Subject_&_Area Concerned

Section Id :	509398261
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 :	509398288
Question Shuffling Allowed :	Yes

Question Number : 41 Question Id : 50939818363 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Eukaryotic RNA polymerases are inhibited by α -amanitin, a funga differential sensitivities. The order of sensitivity of the three euk polymerases towards α -amanitin, are

Options :

1. ✖ RNA POL III > RNA POL II > RNA POL I

2. ✓ RNA POL II > RNA POL III > RNA POL I

3. ✖ RNA POL I > RNA POL III > RNA POL II

4. ✖ RNA POL II > RNA POL I > RNA POL III

Question Number : 42 Question Id : 50939818364 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 tetra-peptide 'KDEL' is a retrieval signal for co-translationally protein which is absent in the secretory proteins. Indicate the local above tetra-peptide receptor

Options :

1. ✖ plasma membrane

- 2. ✖ Golgi bodies
- 3. ✔ endoplasmic reticulum
- 4. ✖ mitochondria

Question Number : 43 Question Id : 50939818365 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 3 Wrong Marks : 1
Question Label : Multiple Choice Question

Which of the following statements is not applicable to viruses?

Options :

- 1. ✖ The virus replicates in a bacterial host.
- 2. ✖ The protein coat of a virus does not enter the host cell.
- 3. ✖ The genetic material is DNA or RNA.
- 4. ✔ Virus replicate autonomously in the absence of host.

Question Number : 44 Question Id : 50939818366 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 3 Wrong Marks : 1
Question Label : Multiple Choice Question

During eukaryotic translation, stress condition activates a specific phosphorylates a key initiation factor that inhibits protein synthesis number of cellular mRNA. Which one of the following factors is the kinase?

Options :

- 1. ✖ eIF4E
- 2. ✖ eIF4G
- 3. ✔ eIF2 α
- 4. ✖ eIF3

Question Number : 45 Question Id : 50939818367 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 site of the tRNA molecule hydrogen bonds to the mRNA ?

Options :

1. ✖ 5' end of the RNA molecule
2. ✖ 3' end of the RNA molecule
3. ✖ codon
4. ✔ anticodon

Question Number : 46 Question Id : 50939818368 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 HbA1C test for determining the severity of Diabetes, the g predominantly to which amino acid of hemoglobin?

Options :

1. ✔ β -Val-1, β -Lys-66, α -Lys-61
2. ✖ α -Val-1, β -Lys-66, β -Lys-61
3. ✖ β -Val-11, β -Lys-66, α -Lys-6
4. ✖ α -Val-11, β -Lys-66, β -Lys-6

Question Number : 47 Question Id : 50939818369 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 first enzyme to appear in the blood after a heart attack is

Options :

1. ✖ SGOT
2. ✖ SGPT
3. ✔ creatine phosphokinase
4. ✖ lactate dehydrogenase

Question Number : 48 Question Id : 50939818370 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

‘Insulin Clearance Test’ is used to estimate

Options :

1. ✖ urine flow rate
2. ✖ urine obstruction in kidneys
3. ✔ glomerular filtration rate
4. ✖ clearance rate of blood impurity

Question Number : 49 Question Id : 50939818371 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Reverse cholesterol transport primarily involves

Options :

1. ✖ Chylomicrons
2. ✖ Very Low Density Lipoproteins (VLDLs)
3. ✖ Low Density Lipoproteins (LDLs)
4. ✔ High Density Lipoproteins (HDLs)

Question Number : 50 Question Id : 50939818372 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Polycistronic transcription in prokaryotes is due to presence of

Options :

1. ✖ Kozak sequences
2. ✖ Pribnow box
3. ✖ TATA box

4. ✓ Shine-Dalgarno sequences

Question Number : 51 Question Id : 50939818373 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Steroid receptors are classic examples of

Options :

1. ✓ zinc fingers

2. ✖ Helix-Loop-Helix (HLH)

3. ✖ Helix-Turn-Helix

4. ✖ Leucine zippers

Question Number : 52 Question Id : 50939818374 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

‘Ramachandran Plot’ is used to explain the

Options :

1. ✖ primary structure of proteins

2. ✓ secondary structure of proteins

3. ✖ primary and secondary structure of proteins

4. ✖ tertiary structure of proteins

Question Number : 53 Question Id : 50939818375 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Lac operon is an example of

Options :

1. ✖ negative inducible operon

2. ✖ positive inducible operon

3. ✓ negative and positive inducible operon

4. ✖ positive repressible operon

Question Number : 54 Question Id : 50939818376 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 'Attenuation' phenomenon refers to

Options :

1. ✖ termination of transcription of the Trp operon

2. ✓ premature termination of transcription of the Trp operon

3. ✖ initiation of transcription of the Trp operon

4. ✖ anti-termination of the Trp operon

Question Number : 55 Question Id : 50939818377 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 factor TFIID possess

Options :

1. ✖ TATA Binding Protein (TBP)

2. ✖ TBP-Associated Factors (TAFs)

3. ✓ Both TBP and TAFs

4. ✖ Both TATA and TAFs

Question Number : 56 Question Id : 50939818378 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

'Isoaccepting tRNAs' refers to

Options :

1. ✖ same tRNAs recognizing different codons

2. ✓ different tRNAs recognizing different codons
3. ✖ different tRNAs recognizing the same codons
4. ✖ same tRNAs accepting different amino acids

Question Number : 57 Question Id : 50939818379 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 enzyme aconitase is responsible for

Options :

1. ✖ polymerization
2. ✖ degradation
3. ✖ assembly
4. ✓ isomerization

Question Number : 58 Question Id : 50939818380 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 molecules of acetyl CoA, an acetyl group attached to ' are produced from a single molecule of glucose for participation i cycle?

Options :

1. ✖ One
2. ✓ Two
3. ✖ Three
4. ✖ None of the above

Question Number : 59 Question Id : 50939818381 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 oxidative phosphorylation, electrons entering through NADH F how many coupling sites?

Options :

- 1. ✖ Two
- 2. ✖ One
- 3. ✔ Three
- 4. ✖ Four

Question Number : 60 Question Id : 50939818382 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 drug, X, destroys the H^+ gradients that forms in the electron transport chain. What is the most likely consequence?

Options :

- 1. ✖ Oxygen consumption will increase
- 2. ✔ The cells will be forced to perform anaerobic respiration
- 3. ✖ Cells will die as oxidative phosphorylation will not occur
- 4. ✖ ATP production will increase

Question Number : 61 Question Id : 50939818383 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 gives rise to valine and isoleucine?

Options :

- 1. ✔ Pyruvate
- 2. ✖ Glutamate
- 3. ✖ Aspartate

Serine

4. ✖

Question Number : 62 Question Id : 50939818384 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Aminolevulinic acid, the first product in porphyrin biosynthesis is from two precursors, one of which is succinyl CoA and the second p

Options :

- 1. ✖ serine
- 2. ✖ alanine
- 3. ✔ glycine
- 4. ✖ leucine

Question Number : 63 Question Id : 50939818385 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 enzymes is not used in the synthesis of triacy

Options :

- 1. ✖ Glycerol-3-phosphate acyltransferase
- 2. ✖ Acylglycerophosphate acyltransferase
- 3. ✖ Phosphatidic acid phosphohydrolase
- 4. ✔ Glycogen phosphorylase

Question Number : 64 Question Id : 50939818386 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Transport of fatty acids from the cytoplasm to the mitochondrial ma

Options :

- 1. ✔ ATP, carnitine and coenzyme A

2. ✖ ATP, carnitine and phosphatidic acid phosphohydrolase
3. ✖ ATP, coenzyme A and hexokinase
4. ✖ ATP, coenzyme A and pyruvate dehydrogenase

Question Number : 65 Question Id : 50939818387 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 the correct order of function of the following enzymes of β ox

- A. β -Hydroxyacyl-CoA dehydrogenase
- B. Thiolase
- C. Enoyl-CoA hydratase
- D. Acyl-CoA dehydrogenase

Options :

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

Question Number : 66 Question Id : 50939818388 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 first licensed drug produced through genetic engineering is

Options :

1. ✖ interferon gamma
2. ✔ insulin
3. ✖ penicillin

somatotropin

4. ✖

Question Number : 67 Question Id : 50939818389 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Restriction endonucleases, when present in a host cell act on molecule and cleave them, but they do not act on host DNA happens because

Options :

1. ✖ restriction endonuclease cannot act on host DNA
2. ✖ host DNA is packed into chromosomes
3. ✔ host DNA is methylated hence restriction endonucleases can't act
4. ✖ restriction endonucleases are inactive after they enter the cell's nucleus

Question Number : 68 Question Id : 50939818390 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Amino acid selenocysteine is coded by

Options :

1. ✖ UAG
2. ✔ UGA
3. ✖ AUC
4. ✖ UAT

Question Number : 69 Question Id : 50939818391 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 these can stimulate pyruvate carboxylase enzyme?

Options :

1. ✖ ATP
2. ✖ ADP
3. ✔ Acetyl-CoA
4. ✖ CO₂

Question Number : 70 Question Id : 50939818392 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 these enzymes are required for glycogen breakdown?

Options :

1. ✖ Hexokinase, glycogen synthase, phosphoglucose isomerase
2. ✖ Glycogen phosphorylase, glycogen branching enzyme, phosphoglucose isomerase
3. ✖ Glycogen synthase, glycogen branching enzyme, UDP-glucose 4-epimerase
4. ✔ Glycogen phosphorylase, glycogen debranching enzyme, phosphoglucomutase

Question Number : 71 Question Id : 50939818393 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 deficiency of which of the following enzymes urea cycle results in synthesis of urea, accumulation of ammonia (hyperammonemia) and aciduria?

Options :

1. ✖ Carbamoyl phosphate synthase I
2. ✔ Ornithine transcarbamylase

3. ✖ Argininosuccinate synthase

4. ✖ Ariginosuccinase

Question Number : 72 Question Id : 50939818394 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 reaction involving glutamate dehydrogenase enzyme reveals glutamate metabolism to which cycle?

Options :

1. ✖ Glycolysis

2. ✖ Gluconeogenesis

3. ✖ Urea cycle

4. ✔ TCA cycle

Question Number : 73 Question Id : 50939818395 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 3 Wrong Marks : 1
Question Label : Multiple Choice Question

Maxam-Gilbert developed a method of

Options :

1. ✖ DNA amplification

2. ✔ DNA sequencing

3. ✖ DNA restriction

4. ✖ DNA identification

Question Number : 74 Question Id : 50939818396 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 3 Wrong Marks : 1
Question Label : Multiple Choice Question

You are doing an experiment to track the movement of signal molecule the body of a particular species of mammal, from the point of secretion point of receptor binding. You find that signal molecule A travels faster than signal molecule B. What might explain these results?

Options :

1. ✓ Molecule A is a hormone and molecule B is a paracrine
2. ✗ Molecule B travels by osmosis
3. ✗ Molecule A is a paracrine and molecule B is a hormone
4. ✗ Molecule A is much larger than molecule B

Question Number : 75 Question Id : 50939818397 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Laminar Air Flow does not offer sterilization through

Options :

1. ✗ HEPA filter
2. ✗ ultraviolet treatment
3. ✓ high temperature
4. ✗ All of the above

Question Number : 76 Question Id : 50939818398 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 SDS PAGE, N,N,N',N'-tetramethyl ethylenediamine serves as

Options :

1. ✓ initiator for polymerization reaction
2. ✗ dehydrating agent
3. ✗ catalyst
4. ✗ precipitating agent

Question Number : 77 Question Id : 50939818399 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 3 Wrong Marks : 1 Question Label : Multiple Choice Question

Three-dimensional structure of a protein can be denatured temperature or extreme pH or 6M urea because

Options :

1. ✓ it is held by weak forces
2. ✖ breakage of peptide bonds
3. ✖ breakage of any covalent of bond
4. ✖ All of the above

Question Number : 78 Question Id : 50939818400 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 3 Wrong Marks : 1 Question Label : Multiple Choice Question

Isotonic solution for mammalian tissue is

Options :

1. ✓ 0.9% NaCl
2. ✖ 0.6% NaCl
3. ✖ 1.4% NaCl
4. ✖ 1 M NaCl

Question Number : 79 Question Id : 50939818401 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes Correct Marks : 3 Wrong Marks : 1 Question Label : Multiple Choice Question

Western blots are primarily used to detect

Options :

1. ✓ protein
2. ✖ carbohydrate
3. ✖ RNA

DNA

4. ✖

Question Number : 80 Question Id : 50939818402 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

RBC was kept in a solution, in few minutes it got burst, the so

Options :

1. ✖ hypertonic

2. ✖ isotonic

3. ✔ hypotonic

4. ✖ cane sugar solution

Question Number : 81 Question Id : 50939818403 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Thermal Cycler's is used in the reaction

Options :

1. ✖ enzyme linked immunosorbant assay

2. ✖ ligation reaction

3. ✔ polymerase chain reaction

4. ✖ immobilization reaction

Question Number : 82 Question Id : 50939818404 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 the molarity of 5% (w/v) urea? Its molecular weight is 60

Options :

1. ✔ 0.83 M

2. ✖ 1.2 M

3. ✖ 8.3 M

4. ✖ 0.12 M

Question Number : 83 Question Id : 50939818405 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 compounds, present in urine, is Benedict's method?

Options :

1. ✖ Urea

2. ✔ Glucose

3. ✖ Bilirubin

4. ✖ Amino acids

Question Number : 84 Question Id : 50939818406 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Lyophilization means

Options :

1. ✖ sterilization

2. ✔ freeze-drying

3. ✖ burning to ashes

4. ✖ exposure to formation

Question Number : 85 Question Id : 50939818407 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Thin Layer Chromatography is used for separation of ——— con

Options :

1. ✖ hydrophilic

2. ✖ hydrophobic
3. ✖ lipophilic
4. ✔ All of the above

Question Number : 86 Question Id : 50939818408 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Na⁺/K⁺-ATPase along with ATP requires

Options :

1. ✖ Ca
2. ✖ Mn
3. ✔ Mg
4. ✖ Cl

Question Number : 87 Question Id : 50939818409 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Phenomenon where both the alleles of a gene are equally expres

Options :

1. ✖ over dominance
2. ✖ pseudodominance
3. ✖ incomplete dominance
4. ✔ co-dominance

Question Number : 88 Question Id : 50939818410 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 virus consists of

Options :

1. ✖ RNA or DNA and a cell membrane
2. ✖ RNA and DNA and a protein coat
3. ✖ proteins, cell membrane and RNA
4. ✔ RNA or DNA and a protein coat

Question Number : 89 Question Id : 50939818411 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Neurons are

Options :

1. ✖ support and nourish glial cells
2. ✔ transmit neural impulses
3. ✖ manufacture myelin
4. ✖ one kind of transmitter

Question Number : 90 Question Id : 50939818412 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

There are many severe neurological disorders out there. What do you be suffering from if I were to demyelinate your axons?

Options :

1. ✔ Multiple sclerosis
2. ✖ Brain cancer
3. ✖ Parkinson's disease
4. ✖ Huntington's disease

Question Number : 91 Question Id : 50939818413 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Which of the following sequences is substrate for purine biosynthesis?

Options :

1. ✓ PRPP (5-phosphoribosyl pyrophosphate)
2. ✗ Ribose phosphate
3. ✗ Ara-C
4. ✗ 5-methyl thymidine

Question Number : 92 Question Id : 50939818414 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 DNA chain acting as template for RNA synthesis has AGCTTC bases. What will be the order of bases in mRNA?

Options :

1. ✗ TCGAAGCTA
2. ✗ UGCUAGCTA
3. ✗ TCGAUCGUA
4. ✓ UCGAAGCUA

Question Number : 93 Question Id : 50939818415 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 complementarity determining regions of antibody are

Options :

1. ✗ restricted to light chains
2. ✓ concerned in antigen recognition
3. ✗ at the C-terminal end of the Ig heavy chains

4. ✖ at the hinge region

Question Number : 94 Question Id : 50939818416 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 combinations generate enhanced T-cell diversity?

Options :

1. ✖ VJ recombination

2. ✖ VDJ recombination

3. ✔ VDDDJ recombination

4. ✖ VDDJ recombination

Question Number : 95 Question Id : 50939818417 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Depolymerization of microtubules is inhibited by

Options :

1. ✖ Vimentin

2. ✖ Kinesin

3. ✖ Dynein

4. ✔ Guanosine triphosphate

Question Number : 96 Question Id : 50939818418 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 smooth ER is especially abundant in cells that synthesize large amounts of

Options :

1. ✖ proteins

- 2. ✓ lipids
- 3. ✖ enzymes
- 4. ✖ toxins

Question Number : 97 Question Id : 50939818419 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Electron microscopes have greater resolving power than light because

Options :

- 1. ✖ electron microscopes have more lenses
- 2. ✖ the wavelength of electrons is much longer than the wavelength of light
- 3. ✖ the beams in electron microscopes overlap creating a clearer picture
- 4. ✓ the wavelengths of electrons is shorter than the visible light

Question Number : 98 Question Id : 50939818420 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Cytokines always act

Options :

- 1. ✓ by binding to specific receptors
- 2. ✖ in antagonistically with other cytokines
- 3. ✖ synergistically with other cytokines
- 4. ✖ in an autocrine fashion

Question Number : 99 Question Id : 50939818421 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Damage to the hippocampus is most likely to impair

Options :

1. ✓ memory
2. ✗ balance
3. ✗ sleep
4. ✗ breathing

Question Number : 100 Question Id : 50939818422 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes

Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Visual information is analyzed and received by

Options :

1. ✗ frontal lobe
2. ✗ parietal lobe
3. ✓ occipital lobe
4. ✗ temporal lobe