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 :	965 11th April 2021 Shift 1
Subject Name :	965
Creation Date :	2021-04-11 17:05:46
Duration :	120
Total Marks :	300
Display Marks:	Yes
Share Answer Key With Delivery Engine :	Yes
Actual Answer Key :	Yes
Calculator :	None
Magnifying Glass Required? :	No
Ruler Required? :	No
Eraser Required? :	No
Scratch Pad Required? :	No
Rough Sketch/Notepad Required? :	No
Protractor Required? :	No
Show Watermark on Console? :	Yes
Highlighter :	No
Auto Save on Console?	No
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No
Show Reports :	No
Show Progress Bar :	No

RET_Veterinary Physiology and Biochemistry

Group Number :	1
Group Id :	87408149
Group Maximum Duration :	0
Group Minimum Duration :	120
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	300
Is this Group for Examiner? :	No
Examiner permission :	Cant View

Research_Methodology

Section Id :	874081106
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 :	874081148
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 8740816218 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

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

Options :

1. ✖ Pseudo inference
छद्म निष्कर्ष

2. ✖ Objective inference
उद्देश्य निष्कर्ष

3. ✔ Inductive inference
आगमनात्मक निष्कर्ष

4. ✖ Deductive inference
डिडक्टिव निष्कर्ष

Question Number : 2 Question Id : 8740816219 Question Type : MCQ Option Shuffling : Yes Is Question

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Ex-Post Facto research means ....

घटनोत्तर शोध का तात्पर्य है :

Options :

1. ✔ The research is carried out after the incident
घटना के पश्चात शोध किया गया है

2. ✖ The research is carried out prior to the incident
घटना से पहले शोध किया गया है

3. ✖ The research is carried out along with the happening of an incident
शोध किसी घटना के घटित होने के साथ किया गया है

4. ✖ The research is carried out keeping in mind the possibilities of an incident
शोध किसी घटना की संभावनाओं को ध्यान में रखते हुए किया गया है

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

In a survey, the respondents are interested to discuss the recent private cellular schemes, but the surveyor asked them about BSNL landline service. What type of error will it lead to ?

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

Options :

1. ✖ Non-response error
गैर-प्रतिक्रिया त्रुटि

2. ✔ Selection error
चयन त्रुटि

Sample error

नमूना त्रुटि

3. ✖

Panel error

पैनल त्रुटि

4. ✖

Question Number : 4 Question Id : 8740816221 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Total number of digits in 'Tippet' table are :

'टिप्पेट' तालिका में कुल अंक होते हैं :

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

Options :

1. 10,400

2. 9,400

3. 10,200

4. 9,600

Question Number : 5 Question Id : 8740816222 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Endogenous variable is also known as :

अंतर्जात चर को इस नाम से भी जाना जाता है :

Options :

Intervening variable

1. ✖ मध्यवर्ती चर

Mediating variable

2. ✖ मध्यस्थ चर

Independent variable

3. ✖ स्वतंत्र चर

Dependent variable

4. ✔ आश्रित चर

Question Number : 6 Question Id : 8740816223 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

Options :

Sampling Error

1. ✖ प्रतिचयन त्रुटि

Type II Error

2. ✖ टाइप II त्रुटि

Type I Error

3. ✔ टाइप I त्रुटि

Estimation Error

4. ✖ आकलन त्रुटि

Question Number : 7 Question Id : 8740816224 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Feature of a hypothesis is :
परिकल्पना का वैशिष्ट्रय है :

Options :

Testability
परीक्षण करने की क्षमता
1. ✔

Insufficiency
कमी
2. ✘

Illogical
विसंगत
3. ✘

Complication
जटिलता
4. ✘

Question Number : 8 Question Id : 8740816225 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is the first step of research ?
निम्नलिखित में से कौन-सा शोध का पहला चरण है ?

Options :

Designing the research
अनुसंधान डिजाइन करना
1. ✘

Data Collection
डेटा संग्रहण
2. ✘

Formulation of the research problem
शोध समस्या का सूत्र
3. ✔

Analysis of data
डेटा का विश्लेषण
4. ✘

Question Number : 9 Question Id : 8740816226 Question Type : MCQ Option Shuffling : Yes Is Question

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Sampling error can be reduced by :

न्यादर्श में त्रुटि को कम किया जा सकता है :

Options :

1. ✖ Non-probability sampling
गैर-संभाव्यता न्यादर्श द्वारा

2. ✖ Increasing the population
जनसंख्या में वृद्धि द्वारा

3. ✖ Decreasing the sample size
न्यादर्श आकार में कमी द्वारा

4. ✔ Increasing the sample size
न्यादर्श आकार में वृद्धि द्वारा

Question Number : 10 Question Id : 8740816227 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Empirical research is related to :

अनुभवाश्रित अनुसंधान संबंधित है :

Options :

1. ✖ Pure logic
विशुद्ध तर्क से

2. ✔ Observation
निरीक्षण से

3. ✖ Theory
सिद्धान्त से

4. ✖ Critical Thinking
आलोचनात्मक सोच से

Question Number : 11 Question Id : 8740816228 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

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

Options :

1. ✖ Collecting data with the help of standardized research tools
माननीकृत अनुसंधान उपकरणों की मदद से ऑकड़ों का संग्रहण

2. ✖ Design sampling with probability sample technique.
संभाव्यता सैम्पल तकनीक द्वारा सैम्पलिंग योजना बनाना

3. ✔ Collecting data with bottom of empirical evidence
बॉटम अप प्रयोग सिद्ध प्रमाणों द्वारा ऑकड़ों का संग्रहण

4. ✖ Gathering data with top down schematic evidence
टाप डाउन योजनाबद्ध प्रभावों द्वारा ऑकड़ों का संग्रहण

Question Number : 12 Question Id : 8740816229 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which one among the following statement is true in the context of the testing of hypothesis ?

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

Options :

1. ✖ It is only the alternative hypothesis that can be tested
यह केवल वैकल्पिक परिकल्पना है जिसे जाँचा जा सकता है

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

Both the alternative and null hypothesis can be tested

वैकल्पिक एवं नल दोनों ही परिकल्पनाओं को जाँचा जा सकता है

3. ✖

Both the alternative and null hypothesis can not be tested

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

4. ✖

Question Number : 13 Question Id : 8740816230 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

If there is a uniform variation in the ratio of the two variable then the regression would be :

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

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

Options :

Exponential
एक्सपोनेन्सियल

1.

Quadratic
क्वाड्रेटिक

2.

Linear
रैखिक

3.

Power
पॉवर

4.

Question Number : 14 Question Id : 8740816231 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is one of the types of 'validity' encountered in research design and methodology ?

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

Options :

1. ✔ Statistical validity
सांख्यिकीय वैधता

2. ✖ Integral validity
समाकलित वैधता

3. ✖ Modular validity
माड्यूलर वैधता

4. ✖ Projective validity
प्रक्षेपी वैधता

Question Number : 15 Question Id : 8740816232 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

In CARE list of journals the "CARE" stands for :

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

Options :

1. ✖ Consortium of Academicians for Research Ethics
कंसोर्टियम ऑफ एकेडमिशियन्स फॉर रिसर्च एथिक्स

2. ✖ Consortium of Academicians for the Researchers Empowerment
कंसोर्टियम ऑफ एकेडमिशियन्स फॉर द रिसर्चर्स एम्पॉवरमेंट

3. ✔ Consortium of Academic and Research Ethics
कंसोर्टियम ऑफ एकेडमिक एण्ड रिसर्च एथिक्स

4. ✖ Consortium of Academic and Researchers Ethics
कंसोर्टियम ऑफ एकेडमिक एण्ड रिसर्चर्स एथिक्स

Question Number : 16 Question Id : 8740816233 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Read the statement **A** and **B** and choose the correct option :
कथन **A** और **B** पढ़ें और सही विकल्प चुनें :

Statement (A) : The structured approach to enquiry is usually classified as qualitative research.
कथन **(A) :** समीक्षा के लिए संरचित दृष्टिकोण को आमतौर पर गुणात्मक अनुसंधान के रूप में वर्गीकृत किया जाता है।

Statement (B) : In the structured approach, everything that forms the research process – objectives, design, sample, and the questions that a researcher plans to ask of respondents – is not predetermined.
कथन **(B) :** संरचित दृष्टिकोण में, वह सब कुछ जो अनुसंधान प्रक्रिया का निर्माण करता है – उद्देश्य, डिजाइन, नमूना, और वें प्रश्न जो एक शोधकर्ता ने उत्तरदाताओं में पूछने की योजना बनाई है – पूर्व निर्धारित नहीं होती है।

Options :

1. ✖ Both the statements are true
दोनों कथन सत्य है

2. ✔ Both the statements are false
दोनों कथन असत्य है

3. ✖ Statement A is true but B is false
कथन A सत्य है लेकिन B गलत है

4. ✖ Statement B is true but A is false
कथन B सत्य है लेकिन A गलत है

Question Number : 17 Question Id : 8740816234 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

"Controlled Group" is a term used in ....
"नियंत्रित समूह" .... में प्रयुक्त एक शब्द है।

Options :

Survey research
सर्वेक्षण शोध
1. ✗

Historical research
ऐतिहासिक शोध
2. ✗

Experimental research
प्रायोगिक शोध
3. ✓

Descriptive research
वर्णनात्मक शोध
4. ✗

Question Number : 18 Question Id : 8740816235 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Read the statement and choose the correct option given below :
नीचे दिए गए कथनों को पढ़ें और सही विकल्प चुनें :

Statement (A) : A hypothesis must not be falsifiable.
अभिकथन (A) : परिकल्पना मिथ्या साबित नहीं होनी चाहिए।

Reason (R) : If a hypothesis is falsifiable, then science cannot be used to test the hypothesis,
तर्क (R) : यदि परिकल्पना मिथ्या है, तो परिकल्पना का परीक्षण करने के लिए विज्ञान का उपयोग नहीं किया जा सकता है।

Options :

Both the statements are true and (R) is the correct explanation of (A)
दोनों कथन सत्य हैं और (A) की सही व्याख्या (R) है।
1. ✗

Both the statements are true but (R) is not the correct explanation of (A)
दोनों कथन सत्य है लेकिन (A) की सही व्याख्या (R) नहीं है
2. ✗

(A) is false but (R) is true
(A) गलत है लेकिन (R) सत्य है
3. ✗

Both the statements are false

4. ✔ दोनों कथन गलत है

Question Number : 19 Question Id : 8740816236 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

To test which of the following is not used a qualitative hypothesis ?
निम्नलिखित में से किसका परीक्षण करने के लिए गुणात्मक परिकल्पना का उपयोग नहीं किया जाता है ?

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

Options :

1. t-test
   टी–टेस्ट

2. ANOVA
   एनोवा

3. Chi Square
   काई-स्क्वायर

4. F-test
   एफ–टेस्ट

Question Number : 20 Question Id : 8740816237 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Fundamental research reflects the ability to :
मौलिक शोध की क्षमता को दर्शाता है :

Options :

1. ✖ Synthesize new ideals
   नए आदर्शों का संश्लेषण करना

Expound new principles

2. ✔ नए सिद्धांतों को उजागर करना

Evaluate the existing material concerning research

3. ✖ शोध से संबंधित मौजूदा सामग्री का मूल्यांकन करना

Study the existing literature regarding various topics

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

Question Number : 21 Question Id : 8740816238 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

In sampling technique which of the following is not a part of sampling frame ?

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

Options :

a list of random numbers

1. ✔ यादृच्छिक संख्याओं की सूची

a list of sampling units of a population

2. ✖ एक जनसंख्या की नमूना इकाइयों की सूची

a list of voters

3. ✖ मतदाताओं की सूची

a list of respondents only

4. ✖ केवल उत्तरदाताओं की सूची

Question Number : 22 Question Id : 8740816239 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

In a study of two variables, when the variables change their direction in opposite manner, then this phenomenon is called :

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

Options :

1. ✖ Positive-Negative Correlation
सकारात्मक–नकारात्मक सहसंबंध

2. ✔ Negative Correlation
नकारात्मक सहसंबंध

3. ✖ Fluctuating Correlation
अस्थिर सहसंबंध

4. ✖ Positive Correlation
सकारात्मक सहसंबंध

Question Number : 23 Question Id : 8740816240 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The stem and leaf display is an effective, quick and simple way of displaying a :

'स्टेम और लीफ डिस्प्ले' निम्नलिखित में से किसे प्रदर्शित करने का एक प्रभावी, त्वरित और सरल तरीका है :

Options :

1. ✖ Hypothesis
परिकल्पना

2. ✔ Frequency Distribution
आवृत्ति वितरण

3. ✖ Research Question
शोध प्रश्न

Research Design

अनुसंधान डिजाइन (अभिकल्प)

4. ✖

Question Number : 24 Question Id : 8740816241 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

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

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

Options :

1. Pie diagram
पाई आरेख

2. Bar diagram
बार आरेख

3. Scatter diagram
स्कैटर आरेख

4. Line diagram
रेखा आरेख

Question Number : 25 Question Id : 8740816242 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The effect of the exposure of interest on the outcome is distorted because of the effect of extraneous factors that are related to both the exposure and outcome. This phenomenon is called :

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

Options :

Correlation
सहसंबंध
1. ✖

Confounding
उलझना
2. ✔

Recall bias
रिकाल प्रवृत्ति
3. ✖

Measurement error
मापन त्रुटि
4. ✖

Question Number : 26 Question Id : 8740816243 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

If we are doing an analytical study and the study outcome is of acute nature and rare condition what is the appropriate study design ?

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

Options :

Cohort study
कोहोर्ट अध्ययन
1. ✖

Case-control study
केस-कंट्रोल अध्ययन
2. ✔

Cross-sectional study
क्रॉस-अनुभागीय अध्ययन
3. ✖

Surveillance

4. ✖ निगरानी

Question Number : 27 Question Id : 8740816244 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

The validity that refers to the extent to which the new questionnaire conforms to existing ideas or hypotheses is known as :

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

Options :

Content validity
1. ✖ अंतर्वस्तु वैधता

Construct validity
2. ✖ निर्मित वैधता

Face validity
3. ✖ आभासी वैधता

Criterion validity
4. ✔ मानदण्डीय वैधता

Question Number : 28 Question Id : 8740816245 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

According to Goode & Hatt, scaling techniques :

गुडे और हॉट के अनुसार, अनुमापन विधियाँ :

Options :

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

2. ✖ Convert quantitative data into qualitative
गणनात्मक तथ्यों को गुणात्मक में बदलना

3. ✖ Measurement of qualitative facts
गुणात्मक तथ्यों का अनुमापन

4. ✖ Analysis of quantitative facts
गणनात्मक तथ्यों का विश्लेषण

Question Number : 29 Question Id : 8740816246 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

A study where the investigators introduce an intervention and observe the events which take place is called :

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

Options :

1. ✖ Observational Study
पर्यवेक्षणीय अध्ययन

2. ✖ Descriptive Study
वर्णनात्मक अध्ययन

3. ✖ Case-Control Study
नियंत्रित रोगी अध्ययन

4. ✔ Experimental Study
प्रयोगात्मक अध्ययन

Question Number : 30 Question Id : 8740816247 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

A research problem is considered to be good, if it meets the following criteria :
एक शोध समस्या को तब अच्छा माना जाता है, जब निम्नलिखित मानदण्डों को वह पूरा करती है :

Options :

1. ✖ Fit, inconvenient, Noble, Ethnic, Revolving (FINER)
फिट, असुविधाजनक, महान, जातीय, परिक्रामी

2. ✔ Feasible, Interesting, Novel, Ethical and Relevant (FINER)
व्यवहार्य, दिलचस्प, नवीन, नैतिक और प्रासंगिक

3. ✖ Fluctuating, Innocuous, Noticeable, Entrepreneur, Residual (FINER)
रूपांतरित, अहानिकर, ध्यान देने योग्य, उद्यमी, अवशिष्ट

4. ✖ Foolish, Imperfect, Natural, Erratic, Revolutionary (FINER)
मूर्खतापूर्ण, अपूर्ण, प्राकृतिक, गलत, क्रांतिकारी

Question Number : 31 Question Id : 8740816248 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

COPE stands for :
COPE का अर्थ है :

Options :

1. ✖ Committee on Publication Errors
प्रकाशन त्रुटियों पर समिति

2. ✔ Committee on Publication Ethics
प्रकाशन नैतिकता पर समिति

3. ✖ Commission of Potential Editors
संभावित संपादकों का आयोग

4. ✖ Community-based Outputs for Public Education
सार्वजनिक शिक्षा के लिए समुदाय आधारित आउटपुट

Question Number : 32 Question Id : 8740816249 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

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

Options :

1. ✖ Unable to measure incidence
व्यापकता (incidence) को मापने में असमर्थ

2. ✔ Data are collected at multiple points in time
समय में कई बिन्दुओं पर डेटा एकत्र किया जाता है

3. ✖ Relatively quick and easy to conduct
अपेक्षाकृत जल्दी और आचरण में आसान

4. ✖ Able to measure the prevalence
प्रचलन (prevalence) को मापने में सक्षम

Question Number : 33 Question Id : 8740816250 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Standard Error is nothing but :

मानक त्रुटि है :

Options :

1. ✖ Standard deviation of population distribution
पॉपुलेशन वितरण का मानक विचलन

2. ✖ Dispersion Error
फैलाव त्रुटि

3. ✔ Standard deviation of sampling distribution
सैम्पल वितरण का मानक विचलन

Conceptual Error

वैचारिक त्रुटि

4. ✖

Question Number : 34 Question Id : 8740816251 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

DOI in a published research paper stands for :

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

Options :

Directory of Index

सूचकांक की निर्देशिका

1. ✖

Digital Objective Index

डिजिटल उद्देश्य सूचकांक

2. ✖

Direct Object Identifiers

प्रत्यक्ष वस्तु पहचानकर्ता

3. ✖

Digital Object Identifier

डिजिटल ऑब्जेक्ट पहचानकर्ता

4. ✔

Question Number : 35 Question Id : 8740816252 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is a techniques used for controlling experimenter bias ?

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

Options :

Double eyed technique

डबल-आइड तकनीक

1. ✖

Double blind technique
डबल-ब्लाइंड तकनीक

3. ✔

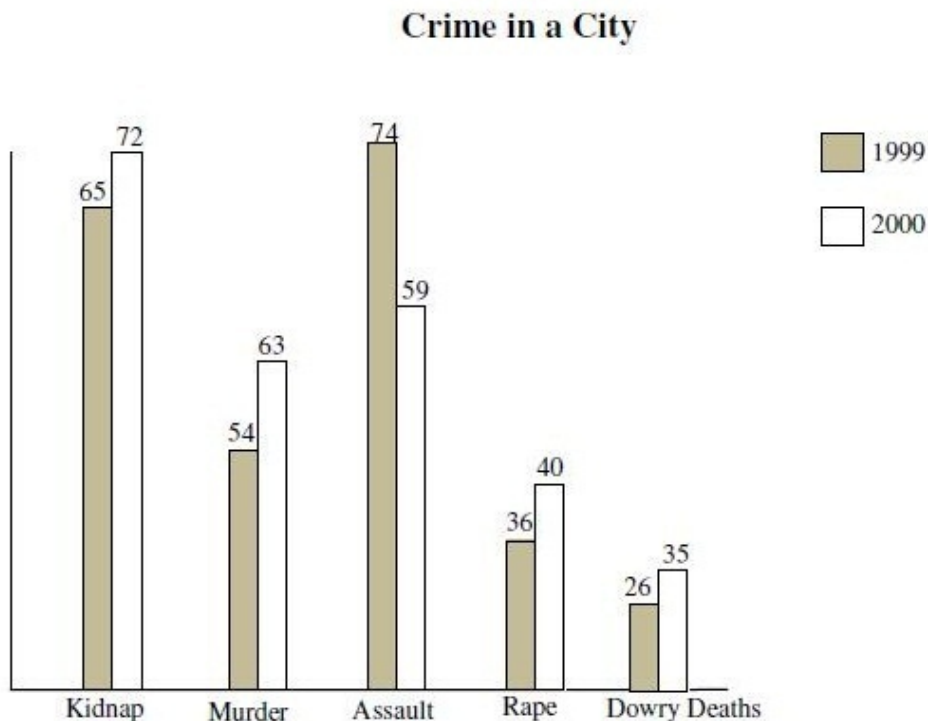Open blind technique
ओपन-ब्लाइंड तकनीक

4. ✖

Question Number : 36 Question Id : 8740816253 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Study the following graph and answer the question :
निम्नलिखित ग्राफ का अध्ययन करें और प्रश्न का उत्तर दें :

Crime in a City

What was difference in crime between 1999 and 2000 ?
1999 और 2000 के बीच क्राइम में कितना अन्तर था ?

Options :

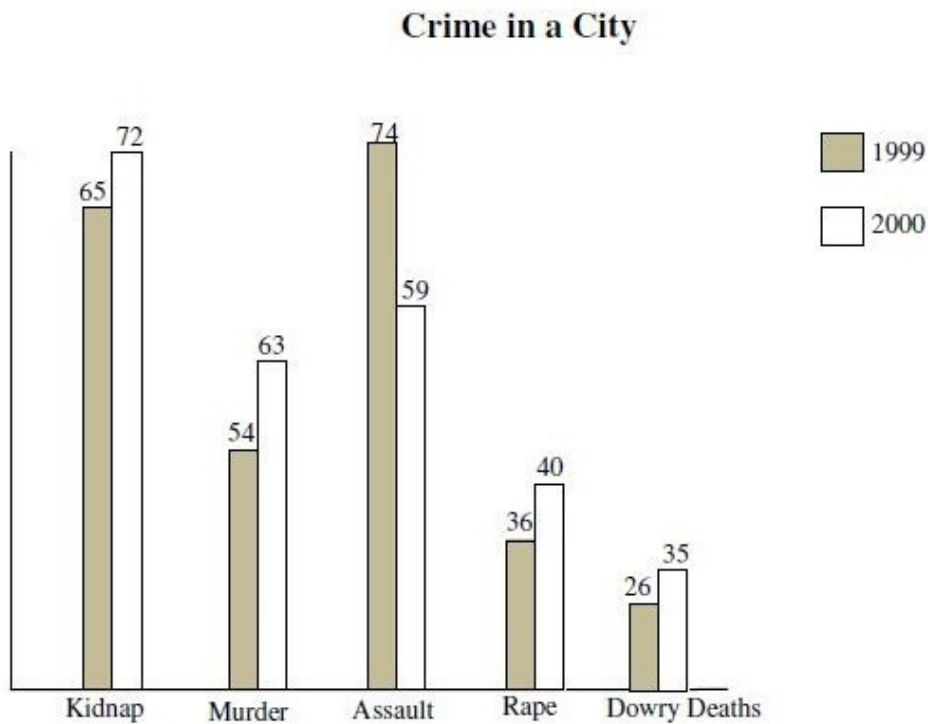1. ✔ 14

2. ✖ 16

3. ✖ 18

4. ✖ 20

Question Number : 37 Question Id : 8740816254 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Study the following graph and answer the question :

निम्नलिखित ग्राफ का अध्ययन करें और प्रश्न का उत्तर दें :

Crime in a City

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

Options :

1. ✔ 11%

2. ✖ 40%

3. ✖ 15%

4. ✖ 30%

Question Number : 38 Question Id : 8740816255 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Study the following graph and answer the following question :

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

Students Going Abroad for Study from Different States/UTs

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

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

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

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

Options :

1. ✖ $66\dfrac{2}{3}$

2. ✔ $33\frac{1}{3}$

3. ✖ 150

4. ✖ 50

Question Number : 39 Question Id : 8740816256 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Study the following graph and answer the following question :

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

Students Going Abroad for Study from Different States/UTs

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

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

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

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

Options :

1. ✖ Kerala
केरल

2. ✖ Delhi
दिल्ली

3. ✖ Andhra Pradesh
आन्ध्र प्रदेश

4. ✔ Maharashtra
महाराष्ट्र

Question Number : 40 Question Id : 8740816257 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

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

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

Options :

1. ✖ APA
एपीए

2. ✖ Harvard
हार्वर्ड

3. ✔ MLA
एमएलए

4. ✖ Chicago
शिकागो

Subject_&_Area Concerned

Section Id :	874081107
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 :	874081149
Question Shuffling Allowed :	Yes

Question Number : 41 Question Id : 8740816258 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 simple stomach animals, during the chewing of a bolus of food, but before swallowing, salivary secretion, gastric secretion, and pancreatic secretion are stimulated by which of the following neurocrine, endocrine, and paracrine mediators ?

Options :

1. ✔ ACh, gastrin, histamine

2. ✖ ACh, CCK, nitric oxide

3. ✖ Nitric oxide, vasoactive intestinal polypeptide, histamine

4. ✖ Vasoactive intestinal polypeptide, gastrin, somatostatin

Question Number : 42 Question Id : 8740816259 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Camelids are less prone to bloat because ……………….. .

Options :

1. ✖ It has less surface area

2. ✖ The ingesta are found neatly layered by fibrous material content

3. ✔ It eructate more often

4. ✖ They possess all the chambers of forestomach

Question Number : 43 Question Id : 8740816260 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes
Correct Marks : 3 Wrong Marks : 1
Question Label : Multiple Choice Question

Tests show that glucose is absorbed as expected by a patient if sucrose, lactose, or glucose is ingested, but not if complex starches are ingested. These data indicate a defect in which of the following ?

Options :

1. ✖ Bile acid secretion

2. ✖ Brush border enzyme levels

3. ✖ Epithelial sodium-coupled glucose transport

4. ✔ Pancreatic enzyme secretion

Question Number : 44 Question Id : 8740816261 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 one considers a single vessel within each division of the systemic circulation in an animal which is lying down, one can arrange the vessels according to the end pressure, greatest to least, within each vessel. (If the vessel exhibits a pulse pressure, one can consider the mean end pressure.) Which of the following sequences of mean end pressure is correct in this case ?

Options :

1. ✖ Large artery → large vein → arteriole → venule → capillary

2. ✖ Capillary → arteriole → venule → large artery → large vein

3. ✔ Large artery → arteriole → capillary → venule → large vein

4. ✖ Large vein → venule → capillary → arteriole → large artery

Question Number : 45 Question Id : 8740816262 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Period when ventricular action potentials are in their plateau phase :

Options :

1. ✖ P wave

2. ✖ PR interval

3. ✖ QRS complex

4. ✔ ST segment

Question Number : 46 Question Id : 8740816263 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Diffusion limitation for ……………….. can be corrected by increasing the …………….. concentration in inspired air.

Options :

1. ✖ CO, O_2

2. ✖ CO_2, O_2

3. ✖ N_2O, CO_2

4. ✔ O_2, O_2

Question Number : 47 Question Id : 8740816264 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

In a patient with diarrhoea, the oral administration of a solution containing NaCl and glucose is more effective in preventing dehydration than is the administration of a solution containing only NaCl. Which of the following facts best explains this observation ?

Options :

1. ✖ Administration of the NaCI and glucose solution reduces stool output

2. ✖ Glucose is used as fuel to effect the co-transport of Na and Cl across the apical membrane of intestinal epithelial cells

3. ✔ The co-transport of glucose and Na across the apical membrane of intestinal epithelial cells facilitates Na and water absorption

4. ✖ The NaCl and glucose solution empties from the stomach at a faster rate than does a solution containing NaCl alone

Question Number : 48 Question Id : 8740816265 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 an individual becomes hypovolemic, such as during periods of diarrhoea or excessive sweating, plasma ADH, or arginine vasopressin, levels are elevated rapidly and urine volume is decreased (antidiuresis).This effect of ADH on water excretion predominantly occurs in the collecting ducts by ADH-induced activation/inhibition of which of the following steps/processes ?

Options :

1. ✖ Inhibition of sodium reabsorption

2. ✖ Increased leakiness of the collecting duct to water and solute

3. ✖ Insertion of sodium channels in the luminal membrane

4. ✔ Insertion of aquaporin channels in the luminal membrane

Question Number : 49 Question Id : 8740816266 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Recovery from a severe metabolic acidosis is most dependent on which of the following ?

Options :

1. ✖ The rate of ventilation to blow off excess CO_2

2. ✖ The rate of H^+ secretion by the kidney

3. ✔ The rate of H^+ excretion by the kidney

4. ✖ The arterial pH

Question Number : 50 Question Id : 8740816267 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 is a higher percentage of lymphocytes than neutrophils among the …………..
species.

Options :

1. ✖ Pig, Cow, Horse and Cat

2. ✖ Pig, Horse, Dog and Cat

3. ✖ Pig, Cow, Sheep and Dog

4. ✔ Pig, Cow and Goat

Question Number : 51 Question Id : 8740816268 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 cells might become more prevalent in circulating blood during a prolonged period of erythropoietin secretion ?

Options :

1. ✖ Platelet

2. ✖ Monocyte

3. ✔ Reticulocyte

4. ✖ Eosinophil

Question Number : 52 Question Id : 8740816269 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 respiratory compensation of metabolic acidosis, the pH of body fluids returns toward normal, but the CO_2 content of body fluids is ………….. as a consequence of respiration.

Options :

1. ✖ Increased, increased

2. ✖ Decreased, decreased

3. ✖ Increased, decreased

4. ✔ Decreased, increased

Question Number : 53 Question Id : 8740816270 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Administration of large amount of Vit A to young calf can induce premature closure of physes in which of the following condition ?

Options :

1. ✔ Hyena disease

2. ✖ Milk fever

3. ✖ Enteque Seco

4. ✖ Steatitis

Question Number : 54 Question Id : 8740816271 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 true hibernator :

Options :

1. ✖ Is not represented by the bear

2. ✖ Maintains a constant body temperature even while it sleeps through cold weather

3. ✖ Abandons homeothermy in the cold and may freeze if body temperature becomes lower than freezing

4. ✔ Abandons homeothermy in cold weather but will awaken if body temperature approaches freezing or some other higher set point

Question Number : 55 Question Id : 8740816272 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

…………….. and …………….. describe the physiological changes with fluctuation in single and several environmental parameters.

Options :

1. ✖ Adaptation and acclimation

2. ✖ Adaptation and Acclimatization

3. ✖ Acclimatization and acclimation

4. ✔ Acclimation and Acclimatization

Question Number : 56 Question Id : 8740816273 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 main hormone secreted by the dominant follicle that allows the follicle to maintain its dominant state is :

Options :

1. ✔ Estrogen

2. ✖ FSH

3. ✖ Oocyte-inhibiting factor

4. ✖ Progesterone

Question Number : 57 Question Id : 8740816274 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 neonate exposed for a few days, Ewes will usually accept them, this phenomenon is called as ....

Options :

1. ✖ Classical conditioning

2. ✖ Chant de Coeur

3. ✔ Concaveation

4. ✖ Spatial Learning

Question Number : 58 Question Id : 8740816275 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Rise in estrogen concentration at the initiation of parturition favors …………… .

Options :

1. ✖ Blocks myometrial contraction during pregnancy

2. ✔ Overcome the progesterone block of myometrial contractility

3. ✖ Induce luteolysis in CL dependent species

4. ✖ Increase the enzyme 17 alpha hydroxylase concentration in plasma

Question Number : 59 Question Id : 8740816276 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 11 year old spitz is diagnosed with small-cell carcinoma of the lung. She has a paraneoplastic effect from the cancer, with release of an ADH-like agent. Which of the following is most likely to be seen ?

Options :

1. ✖ Elevated serum sodium

2. ✖ Elevated serum osmolarity

3. ✔ Elevated urine sodium

4. ✖ Elevated urine catecholamines

Question Number : 60 Question Id : 8740816277 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 hypertensive patient was prescribed the diuretic Lasix (furosemide) to increase urinary output. Furosemide, a "high-ceiling" diuretic, is a potent agent because it binds to and inhibits which of the following transport processes ?

Options :

1. ✖ The Na^+-glucose co-transporter in the proximal tubule

2. ✖ The Na^+-K^+ exchange pump in all nephron segments

3. ✔ The Na^+-K^+-Cl^- co-transporter in the thick ascending limb

4. ✖ The Na^+-Cl^- co-transporter in the distal convoluted tubule

Question Number : 61 Question Id : 8740816278 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Depolarization of hair cells during the bending of stereocilia occurs because bending causes which of the following responses ?

Options :

1. ✖ Closing channels that carry an outward K^+ current

2. ✖ Closing channels that carry an inward Na^+ current

3. ✖ Closing channels that carry an inward Ca^{2+} current

4. ✔ Opening channels that carry an inward K^+ current

Question Number : 62 Question Id : 8740816279 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

……………. is the one and only glial cell present in PNS.

Options :

1. ✖ Microglia

2. ✖ Oligodendrocytes

3. ✖ Ependymal Cells

4. ✔ Neurolemmocytes

Question Number : 63 Question Id : 8740816280 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 following fibers release Norepinephrine (NE) ?

Options :

1. ✖ Preganglionic fibers innervating the adrenal medulla

2. ✖ Postganglionic fibers causing bradycardia

3. ✖ Postganglionic fibers causing constriction of the iris

4. ✔ Postganglionic fibers causing arteriolar constriction

Question Number : 64 Question Id : 8740816281 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

While you are standing, holding a dressing tray piled with surgical instruments, an additional 1 Kg of sterilized surgical gauze is placed on your tray. Your muscles that are holding the dishes increase their force of contraction through an increase in which of the following ?

Options :

1. ✖ Length of the muscle

2. ✔ Number of motor units activated and the frequency of their activation

3. ✖ Peak intracellular calcium concentration in the muscle

4. ✖ Strength of each individual cross-bridge interaction with actin filament

Question Number : 65 Question Id : 8740816282 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

An experimental animal is instrumented to monitor plasma glucose and insulin levels. After a control fasting period to establish a steady state, a test substance is administered to the animal. Shortly after the administration of the substance, there is an increase in the plasma insulin concentration and a fall in the plasma glucose concentration. The substance is most likely which of the following ?

Options :

1. ✖ Glucagon

2. ✖ Epinephrine

3. ✔ A sulfonylurea compound

4. ✖ Somatostatin

Question Number : 66 Question Id : 8740816283 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

For long bone growth, Growth Hormone acts on which of the following cells ?

Options :

1. ✔ Chrondrocytes

2. ✖ Osteocytes

3. ✖ Intracellular matrix

4. ✖ Lymphocytes

Question Number : 67 Question Id : 8740816284 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Every increase of l-degree Celsius in body temperature increases metabolic rate by 10 percent is …………… effect.

Options :

1. ✖ Fenn effect

2. ✖ Braking effect

3. ✔ Van't Hoff effect

4. ✖ Haldane effect

Question Number : 68 Question Id : 8740816285 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Puberty in the male :

Options :

1. ✖ Occurs at about the same time for all species

2. ✔ Is defined as when he is first able to produce sufficient numbers of sperm to impregnate a female

3. ✖ Is influenced only by the age of the animal

4. ✖ Is synonymous with sexual maturity

Question Number : 69 Question Id : 8740816286 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 growth of the bovine mammary parenchyma before and after puberty is ………….. and ……………..

Options :

1. ✖ Isometry and Isometry

2. ✔ Isometry and Allometry

3. ✖ Allometry and Isometry

4. ✖ Allometry and Allometry

Question Number : 70 Question Id : 8740816287 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Egg spends the greatest amount of time in which of the following part of the avian reproductive tract ?

Options :

1. ✖ Magnum

2. ✖ Isthmus

3. ✔ Shell gland

4. ✖ Infundibulum

Question Number : 71 Question Id : 8740816288 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Flow cytometry is used for studying :

Options :

1. ✖ Cell size

2. ✖ Type of cell

3. ✖ Surface antigens

4. ✔ All of the three

Question Number : 72 Question Id : 8740816289 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Identification of individual by their DNA was invented by :

Options :

1. ✖ Har Gobind Khorana

2. ✖ Kary Mullis

3. ✔ Alec Jeffreys

4. ✖ Louis Pasture

Question Number : 73 Question Id : 8740816290 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Highly repetitive DNA is not seen in :

Options :

1. ✔ Polysome

2. ✖ Microsatellite DNA

3. ✖ Telomere

4. ✖ Centromere

Question Number : 74 Question Id : 8740816291 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Most common enzymatic tool in genetic engineering is :

Options :

1. ✖ Helicase

2. ✖ Topoisomerase

3. ✖ DNA Ligase

4. ✔ Restriction endonuclease

Question Number : 75 Question Id : 8740816292 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Single base pair substitution can be detected through :

Options :

1. ✔ RFLP

2. ✖ PCR

3. ✖ FISH

4. ✖ Southern blot

Question Number : 76 Question Id : 8740816293 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

For PCR which of the following is not essential ?

Options :

1. ✖ Mgcl2

2. ✖ Taq polymerase

3. ✖ Primer

4. ✔ Radiolabeled DNA

Question Number : 77 Question Id : 8740816294 Question Type : MCQ Option Shuffling : Yes Is Question

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is *not* a nucleic acid-based test ?

Options :

1. ✔ Western blot

2. ✖ Southern blot

3. ✖ Northern blot

4. ✖ Microarray

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is correct for the RFLP sequence for identification by *E. coli* restriction endonuclease enzyme ?

Options :

1. ✔ GATATC/CTATAG

2. ✖ GATATC/GATATC

3. ✖ AATATA/TATAAT

4. ✖ GATATC/CATTGA

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

DNA estimation can be done by :

Options :

1. ✔ Spectroscopy

2. ✖ Chromatography

3. ✖ Electroscopy

4. ✖ None of the three

Question Number : 80 Question Id : 8740816297 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Physiological function of melatonin :

Options :

1. ✖ Facilitates ACTH secretion

2. ✖ Prevents sleep induction

3. ✔ Regulate the circadian day night rhythm

4. ✖ All of the three

Question Number : 81 Question Id : 8740816298 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Localization of the receptor of a hormone X is found to be in the nucleus. What is likely to be X ?

Options :

1. ✖ Insulin

2. ✖ Adrenaline

3. ✖ FSH

4. ✔ Thyroxine

Question Number : 82 Question Id : 8740816299 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

JAK-STAT kinase receptor is associated with :

Options :

1. ✖ Increase cAMP

2. ✖ IP3-DAG

3. ✖ Ion channels

4. ✔ Nuclear transcription

Question Number : 83 Question Id : 8740816300 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 liver enzyme is predominantly mitochondrial ?

Options :

1. ✔ SGOT

2. ✖ SGPT

3. ✖ GGT

4. ✖ 5' Nucleotidase

Question Number : 84 Question Id : 8740816301 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following is a suicidal enzyme ?

Options :

1. ✖ Lipoxygenase

2. ✔ Cyclooxygenase

3. ✖ 5' Nucleotidase

4. ✖ Thromboxane synthase

Question Number : 85 Question Id : 8740816302 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Trypsin, chymotrypsin and elastase enzymes are examples of :

Options :

1. ✔ Hydrolase

2. ✖ Lyases

3. ✖ Synthase

4. ✖ Ligase

Question Number : 86 Question Id : 8740816303 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following statement is false ?

Options :

1. ✖ Prokaryotic flagella is composed of the protein flagellin while eukaryotic flagella is composed of tubulin

2. ✖ Movement of Prokaryotic flagella is rotational while eukaryotic flagella moves laterally

3. ✖ Very long cilia, such as sperm tails, are termed flagella

4. ✔ Microfilaments are major constituents of flagella

Question Number : 87 Question Id : 8740816304 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Sodium dependent amino acid transport in intestine is prevented by :

Options :

1. ✔ Colchicine

2. ✖ Cytochalasin B

3. ✖ Colcemid

4. ✖ u-amanitin

Question Number : 88 Question Id : 8740816305 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Syglecs or Sialoadhesins are a family of lectins consist of :

Options :

1. ✔ 11 lectins which bind terminal sialic acid residue of polysaccharide chain

2. ✖ 10 lectins which bind terminal sialic acid residue of polysaccharide chain

3. ✖ 11 integrins which bind terminal sialic acid residue of polysaccharide chain

4. ✖ 10 integrins which bind terminal sialic acid residue of polysaccharide chain

Question Number : 89 Question Id : 8740816306 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Oxidation of the terminal alcohol group of glucose to the carboxyl level produces :

Options :

1. ✖ Gluconic acid

2. ✔ Glucuronic acid

3. ✖ Glucosaccharic acid

4. ✖ None of the three

Question Number : 90 Question Id : 8740816307 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Lectins HSV-1 and HSV-2 present on Herpes Simplex Virus binds to which of the following GAG present on the host cell :

Options :

1. ✖ Dermatan sulfate

2. ✖ Keratan sulfate

3. ✔ Heparan sulfate

4. ✖ Chondroitin sulfate

Question Number : 91 Question Id : 8740816308 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Which of the following statement is false about the Amadori rearrangement ?

Options :

1. ✖ It involves an aldose and a suitable amine under acid catalysis

2. ✖ An Amadori product is an intermediate during formation of advanced glycation end-product (AGE)

3. ✖ It increases in diabetes mellitus

It is an organic reaction responsible for enzymatic glycosylation of macromolecules, especially proteins

4. ✔

Question Number : 92 Question Id : 8740816309 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 variability of ligand binding with proteoglycans mainly depend upon :

Options :

1. ✖ Variety of core protein

2. ✔ Pattern of sulfation in the NS domain of attached GAGs

3. ✖ Type of bond between core protein and attached GAGs

4. ✖ Negative or positive charge present on trans-membrane domain

Question Number : 93 Question Id : 8740816310 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Pepsin digestion of immunoglobulin produces :

Options :

1. ✖ 2 (Fab) + (Fc)

2. ✔ F(ab')2 + pFc'

3. ✖ 2 (Fab) + pFc'

4. ✖ F(ab')2 +(Fc)

Question Number : 94 Question Id : 8740816311 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 for determination of three dimensional structure of protein ?

Options :

1. ✖ X-ray crystallography

2. ✖ NMR spectroscopy

3. ✔ Mass spectrometry

4. ✖ Dual polarisation interferometry

Question Number : 95 Question Id : 8740816312 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Membrane proteins attached to N-myristoyl, farnesyl and geranylgeranyl groups are found :

Options :

1. ✖ On the extracellular face of the plasma membrane

2. ✔ On the intracellular face of the plasma membrane

3. ✖ Between the two lipid bilayer of the plasma membrane

4. ✖ Randomly on the extracellular and intracellular face of the plasma membrane

Question Number : 96 Question Id : 8740816313 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 true about Flippases ?

Options :

1. ✖ Translocate primarily aminophospholipids, phosphatidylethanolamine and phosphatidylserine

2. ✖ Translocate lipids from the outer(exoplasmic) leaflet to the inner (cytosolic) leaflet

3. ✖ Require ATP for translocation

4. ✔ Are members of the V-type ATPase family

Question Number : 97 Question Id : 8740816314 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

Measurement of lateral diffusion rates of lipids on a plasma membrane is done by :

Options :

1. ✔ FRAP

2. ✖ FTIR

3. ✖ Atomicforcemicroscopy(AFM)

4. ✖ MALDI-TOF

Question Number : 98 Question Id : 8740816315 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

In which state of a chemical reaction, free energy (G) is maximum :

Options :

1. ✖ Ground state of substrate

2. ✖ Intermediate state

3. ✔ Transition state

4. ✖ Ground state of product

Question Number : 99 Question Id : 8740816316 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control 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 enzyme having following Km will have highest affinity for their substrates ?

Options :

1. ✖ $Km1 = 0.04$

2. ✔ $Km2 = 0.005$

3. ✖ $Km3 = 1.5$

4. ✖ $Km4 = 2.4$

Question Number : 100 Question Id : 8740816317 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0 Allowed Progression : Yes Number of Replay : 999 Play On Load : No Control Enable : Yes Time interval to replay(In Seconds) : 0 Allow Volume Control : Yes

Correct Marks : 3 Wrong Marks : 1

Question Label : Multiple Choice Question

"Warburg effect" is :

Options :

1. ✖ Glucoseconsumption increases under aerobic conditions

2. ✖ Glucose consumption increases under anaerobic conditions

3. ✖ Inhibition of oxygen consumption by addition of glucose in high aerobic glycolysis

4. ✔ Increased glycolysis in cancerous tissues