Entrance Exam

2024



QUESTION PAPER

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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 :	SERICULTURE 4th May 2024 Shift 2
Duration :	120
Total Marks :	140
Display Marks:	No
Share Answer Key With Delivery Engine :	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?	Yes
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No
Show Reports :	No

Show Progress Bar :	No
Is this Group for Examiner? :	No
Examiner permission :	Cant View
Show Progress Bar? :	No

Research Methodology

Section Id :	971036533
Section Number :	1
Mandatory or Optional :	Mandatory
Number of Questions :	66
Section Marks :	70
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Is Section Default? :	null

Question Number : 1 Question Id : 97103637507 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In a research study investigating the relationship between sleep duration and academic performance, "sleep duration" is an example of a

Options :

1. ✖ Hypothesis

2. ✖ Concept

3. ✔ Variable

4. ✖ Causation

Question Number : 2 Question Id : 97103637508 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the primary purpose of research methodology?

Options :

1. ✖ To prove personal beliefs

2. ✔ To discover new knowledge

3. ✖ To validate existing theories

4. ✖ To promote authoritarian ideologies

Question Number : 3 Question Id : 97103637509 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which characteristic is essential for a good hypothesis?

Options :

1. ✖ Complexity

2. ✖ Generality

3.

✔ Falsifiability

4. ✖ Subjectivity

Question Number : 4 Question Id : 97103637510 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Positivism is associated with which tradition of scientific research?

Options :

1. ✔ Empirical-analytic

2. ✖ Hermeneutic

3. ✖ Critical theory

4. ✖ Phenomenological

Question Number : 5 Question Id : 97103637511 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which method of evaluation is conducted at the end of the programme?

Options :

1. ✖ Process Evaluation

2. ✖ Impact Evaluation

3. ✖ Outcome Evaluation

4. ✔ Summative Evaluation

Question Number : 6 Question Id : 97103637512 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following methods of evaluation will minimize the subjectivity of the examiner?

Options :

1. ✖ Fill in the Blanks type (open end response)

2. ✔ Objective Multiple Choice Type (Closed end response)

3. ✖ Very short answer type

4. ✖ Descriptive and Narrative type

Question Number : 7 Question Id : 97103637513 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If a researcher wants to test the effect of temperature on plant growth and predicts that higher temperatures will lead to increased growth, this is an example of a

Options :

1. ✖ Null hypothesis

2. ✖ Non-directional hypothesis

3. ✔ Directional hypothesis

4. ✖ Alternative hypothesis

Question Number : 8 Question Id : 97103637514 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following method of research is appropriate in Applied Sciences with experimentation?

Options :

1. ✔ Quantitative research

2. ✖ Qualitative research

3. ✖ Classical research

4. ✖ Abstract research

Question Number : 9 Question Id : 97103637515 Display Question Number : Yes Is Question

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

Which of the following is core objective of any research?

Options :

1. ✖ Knowledge Dissemination

2. ✔ Knowledge Discovery

3. ✖ Knowledge Procurement

4. ✖ Knowledge Propagation

Question Number : 10 Question Id : 97103637516 Display Question Number : Yes Is Questi

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

What is the relevance between Data and Information?

Options :

1. ✖ It is non structured Identification of research methodology

2. ✖ Information will explore the data and data will conceal the information

3. ✖ Data is the partial ambiguous information that will provide the inferences

4. ✔ Data is non processed information and information is the processed data

Question Number : 11 Question Id : 97103637517 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What are the scales that can measure the categorical data?

Options :

1. ✖ Nominal & Interval scales

2. ✖ Ratio & Interval scales

3. ✔ Nominal & Ordinal Scales

4. ✖ Ordinal & Ratio Scales

Question Number : 12 Question Id : 97103637518 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following does not come under the category of statistical data scale?

Options :

1. ✖ Nominal Scale

2. ✖ Ordinal Scale

3. ✖ Interval Scale

4. ✔ Robert Scale

Question Number : 13 Question Id : 97103637519 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Historical data refers to

Options :

1. ✔ The time series data

2. ✖ Cross sectional data

3. ✖ Qualitative data

4. ✖ Multivariate data

Question Number : 14 Question Id : 97103637520 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the full form of SPSS, software that is using for data analysis?

Options :

1. ✖ Statistical Programming for Software Solutions

2. ✔ Statistical Packages for Social Sciences

3. ✖ Scientific Programs for Social Studies

4. ✖ Scientific Packages for Science Studies.

Question Number : 15 Question Id : 97103637521 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which three things are most important and essential entities in any communication process?

Options :

1. ✖ Buyer, Seller and Production Process

2. ✖ Teacher, Student and Class Room

3. ✖ Speaker, Member and Assembly House.

4. ✔ Sender, Receiver and the Channel (medium)

Question Number : 16 Question Id : 97103637522 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following are non-synonymous matching with respect to the communications?

Options :

1. ✔ Class room - computer

2. ✖ Teacher - encoder

3.

✖ Student – decoder

4. ✖ Black Board – channel

Question Number : 17 Question Id : 97103637523 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Television is an audio visual medium that decoded the electronic signals into audio visuals to the audience comes under the category of

Options :

1. ✖ Encoder

2. ✖ Decoder

3. ✔ Channel

4. ✖ Sender

Question Number : 18 Question Id : 97103637524 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The device of communication such as idea, information, view, fact, feeling, statement, etc. that are generated by the sender intended for communicating further is referred as

Options :

1. ✖ Encode

2. ✔ Message

3. ✖ Decode

4. ✖ Software

Question Number : 19 Question Id : 97103637525 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A communication that happened between hierarchically located persons and both upward and downward communication flows is usually referred as

Options :

1. ✔ Vertical Communication

2. ✖ Horizontal Communication

3. ✖ Diagonal Communication

4. ✖ Random Communication

Question Number : 20 Question Id : 97103637526 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

How many minimum number of nodes that require to initiate any communication process among the networking ?

Options :

1. ✖ Three

2. ✔ Two

3. ✖ One

4. ✖ Zero

Is Section Default? : null

Question Id : 97103637527 Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No Question Pattern Type : NonMatrix Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Question Numbers : (21 to 25)

Read the Passage and answer the following questions:

Reading is a fundamental skill that plays a vital role in our lives. It's not just about deciphering words on a page but about the doors it opens, the knowledge it imparts, and the worlds it allows us to explore. Reading is an essential tool for learning, expanding our horizons, and fostering imagination. When we read, we acquire knowledge. Whether it's reading textbooks, newspapers, or online articles, we gain information that helps us understand the world. Books, in particular, are a treasure trove of knowledge. They contain the wisdom of generations, the discoveries of great minds, and the stories of diverse cultures. Reading books can educate us on history, science, literature, and countless other subjects. It's like having a mentor, guiding us through the complexities of life.

Reading also broadens our horizons. It exposes us to different viewpoints, perspectives, and experiences. When we read about characters from various backgrounds or explore far-off lands through the pages of a novel, we step into their shoes and see the world from a different angle. This broadening of perspective fosters empathy and understanding, making us more tolerant and open-minded individuals. Furthermore, reading fuels our imagination. Whether it's a fantasy novel, a science fiction story, or a compelling mystery, books transport us to other worlds and challenge us to envision the unimaginable. Our minds become the canvas, and words paint the pictures. It's a magical experience that ignites creativity and inspiration. Moreover, reading is a skill that transcends academic boundaries. It's not just about scoring well on tests; it's about developing critical thinking, analytical skills, and the ability to communicate effectively. A person who reads regularly is likely to have a broader vocabulary, better writing skills, and an improved ability to express their thoughts and ideas.

In our modern digital age, reading has taken on new forms. E-books and audiobooks have made it more accessible and convenient. With just a few clicks or taps, we can access a vast library of literature. However, there's something timeless and intimate about holding a physical book, flipping its pages, and smelling the scent of paper and ink. In conclusion, reading is not just a hobby; it's a cornerstone of education, personal growth, and cultural enrichment. It empowers us with knowledge, broadens our perspectives, ignites our imagination, and equips us with essential skills. Whether we're reading for pleasure, information, or self-improvement, reading is a journey that enriches our lives and shapes us into more informed, empathetic, and creative individuals.

Sub questions

Question Number : 21 Question Id : 97103637528 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What does the passage emphasize as the fundamental role of reading?

Options :

1. ✖ Deciphering words

2. ✔ Opening doors

3. ✖ Expanding horizons

4. ✖ Acquiring knowledge

Question Number : 22 Question Id : 97103637529 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

According to the passage, what do books offer readers?

Options :

1. ✖ Online articles

2. ✔ Stories of diverse cultures

3. ✖ Sports news

4. ✖ Travel guides

Question Number : 23 Question Id : 97103637530 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How does reading help in developing personal skills, as mentioned in the passage?

Options :

1. ✖ Improving physical fitness

2. ✔ Enhancing critical thinking

3. ✖ Learning to play musical instruments

4. ✖ Mastering cooking techniques

Question Number : 24 Question Id : 97103637531 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What aspect of reading does the passage highlight as a magical experience?

Options :

1. ✖ Learning new languages

2. ✖ Developing coding skills

3. ✔ Imagining the unimaginable

4. ✖ Studying historical events

Question Number : 25 Question Id : 97103637532 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How has reading been evolved in the modern digital age, according to the passage?

Options :

1. ✖ It has become less accessible

2. ✖ It has become less convenient

3. ✔ It has taken on new forms like e-books and audiobooks

4. ✖ It has lost its importance

Is Section Default? : null

Question Number : 26 Question Id : 97103637533 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is NOT a characteristic of the scientific method?

Options :

1. ✖ Empirical observation

2. ✖ Systematic process

3. ✔ Subjectivity

4. ✖ Replicability

Question Number : 27 Question Id : 97103637534 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

Which city in Andhra Pradesh is known as the "City of Destiny"?

Options :

1. ✖ Vijayawada

2. ✔ Visakhapatnam

3. ✖ Tirupati

4. ✖ Kakinada

Question Number : 28 Question Id : 97103637535 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruct

Time : 0

What does the acronym LPG stand for in the context of the policy adopted by the Indian government during Prime Minister PV Narasimha Rao's tenure?

Options :

1. ✔ Liquid Petroleum Gas

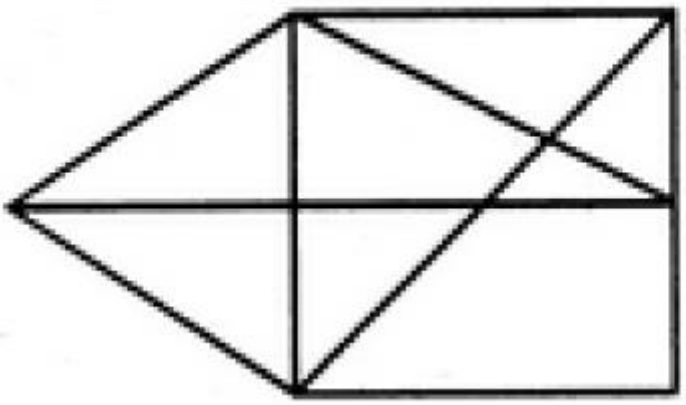
2. ✖ Liberalization, Privatization, Globalization

3. ✖ Low-Price Goods

4. ✖ Long-term Planning Goals

Question Number : 29 Question Id : 97103637536 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Find the number of triangles in the given figure.



Options :

1. ✖ 12

2. ✖ 13

3. ✖ 14

4. ✔ 15

Question Number : 30 Question Id : 97103637537 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following letter is appropriate in the mentioned blank space, in the letter series of

B, C, E, G, ___

Options :

1. ✖ J

2. ✖ I

3. ✔ K

4. ✖ L

Question Number : 31 Question Id : 97103637538 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the angle between the two hands of hours and minutes in a wall clock when the time is showing as 4:12

Options :

1. ✖ 51

2. ✖ 52

3. ✖ 53

4. ✔ 54

Question Number : 32 Question Id : 97103637539 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

As per calendar it is observed that it is Monday today. What will be the day after 64 days?

Options :

1. ✖ Sunday

2. ✖ Monday

3. ✔ Tuesday

4. ✖ Wednesday

Question Number : 33 Question Id : 97103637540 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If the students A,B,C,D,E,F and G were asked to sit in a circle such that A is left to B, B is Left to C, and so on with F is left to G. Then how many students are in between D and A if we count them in anti-clockwise direction?

Options :

1. ✖ 2

2. ✔ 3

3. ✖ 4

4. ✖ 5

Question Number : 34 Question Id : 97103637541 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

Eight students by name A, B, C, D, E, F, G, H are asked to sit on the sides of the Symmetric Octagon table by allotting them the serial numbers 1,2,3,4,5,6,7, and 8 respectively. They have seated in antilock wise direction begin with odd numbered students 1,3,5,7 are adjacent in the said order followed by 2,4,6,8 are adjacent in the same order. Then how many students are in between A, C and C, B if we are counting their positions in clockwise direction

Options :

1. ✔ 6,4

2. ✖ 2,3

3. ✖ 4,5

4. ✖ 2,4

Question Number : 35 Question Id : 97103637542 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If two symmetric dice are thrown simultaneously, the sum on the two dice is calculating. How many such outcomes one can get for the sum 8.

Options :

1. ✖ 3

2. ✖ 4

3. ✔ 5

4. ✖ 6

Question Number : 36 Question Id : 97103637543 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What will be the number after the final in the following series of 2, 1, 1/2, 1/4, ___

Options :

1. ✖ 1/6

2. ✔ 1/8

3. ✖ 1/10

4. ✖ 1/12

Question Number : 37 Question Id : 97103637544 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is the odd?

Options :

1. ✖ Triangle

2. ✖ Rectangle

3. ✖ Pentagon

4. ✔ Circle

Question Number : 38 Question Id : 97103637545 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is the word that suits in the blank Parts : Strap :: Wolf :__

Options :

1. ✖ Lowest

2. ✔ Flow

3. ✖ Flak

4. ✖ Wax

Question Number : 39 Question Id : 97103637546 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If there are altogether 25 students in a class, 6 students belong to both two courses, 10 students are neither of the courses, and 11 students belong to course-1, how many number of students are in course-2 ?

Options :

1. ✔ 10

2. ✖ 11

3. ✖ 9

4. ✖ 8

Question Number : 40 Question Id : 97103637547 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Statement: A medicine by name 'M' is a drug that is causing the ripples in the medical field.
Assumption: (i) No other drug is causing ripples in the medical field; (ii) Medicine 'M' is a great drug

Options :

1. ✖ If assumption-(i) only is implicit

2. ✖ If assumption-(ii) only is implicit

3. ✖ If either assumption-(i) or (ii) is implicit

4. ✔ If neither assumption-(i) nor (ii) is implicit

Question Number : 41 Question Id : 97103637548 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The 'M' state government has decided hence forth to award the road construction contracts through open tenders only. Courses of action: I. The 'M' state will not be able to get the work done swiftly as it will have to go through tender and other procedures; II. Hence forth the quality of roads constructed may be far better

Options :

1. ✔ If neither I nor II follows

2. ✖ If either I or II follows

3. ✖ If only I follows

4. ✖ If only II follows

Question Number : 42 Question Id : 97103637549 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Deductive reasoning is characterized by

Options :

1. ✖ Specific to general

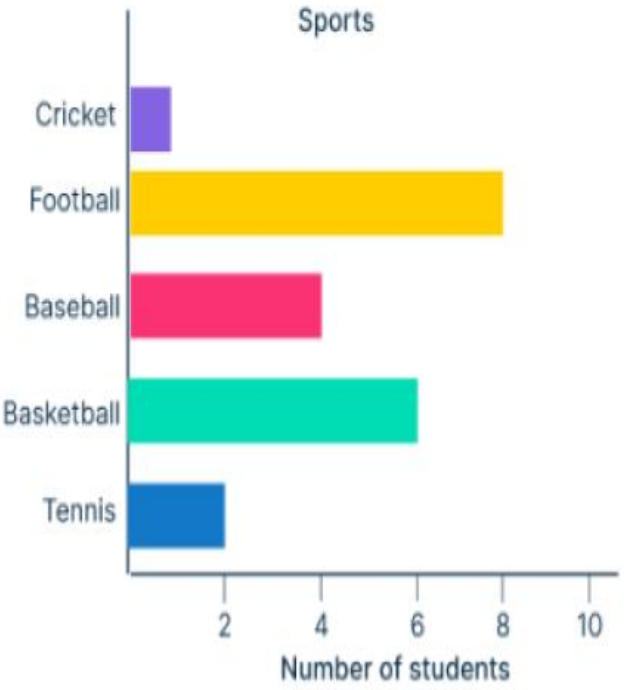
2. ✔ General to specific

3. ✖ Specific to specific

4. ✖ General to general

Question Number : 43 Question Id : 97103637550 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What are the Model game, Median game and Least preferred game respectively among Cricket, Football, Baseball, Basketball and Tennis by the students of a specific college based on the following display.



Options :

1. ✖ Cricket, Tennis and Basketball

2. ✖ Football, Baseball and Basketball

3. ✔ Football, Baseball and Cricket

4. ✖ Tennis, Football and Cricket

Question Number : 44 Question Id : 97103637551 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The following is the data of sales of motor pumps by 6 agencies in 5 years. Which agency has recorded maximum sales overall from 2019 to 2023 and what is the total sales of that agency.

Years	A	B	C	D	E	F
2019	18	12	27	16	17	23
2020	17	27	26	19	37	19
2021	13	16	22	17	23	27
2022	26	10	23	22	22	23
2023	27	22	23	28	29	19

Options :

1. ✖ Agency A with Total sales =101

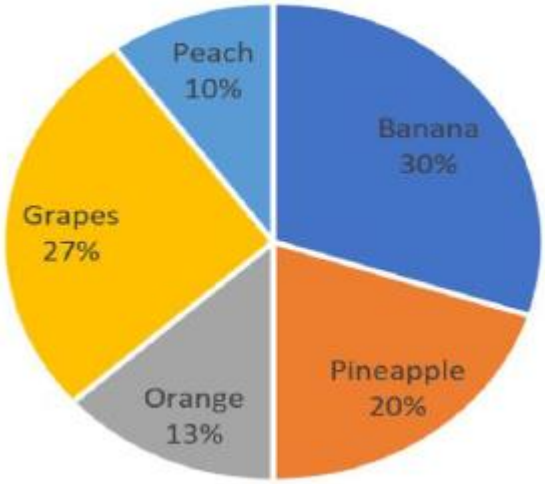
2. ✖ Agency C with Total sales =121

3. ✖ Agency D with Total sales =102

4. ✔ Agency E with Total sales =128

Question Number : 45 Question Id : 97103637552 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Observing the Pie diagram the following options are true.



Options :

1. ✔ Banana sales are more among all the sales

2. ✖ Highest sales observed with the Grapes

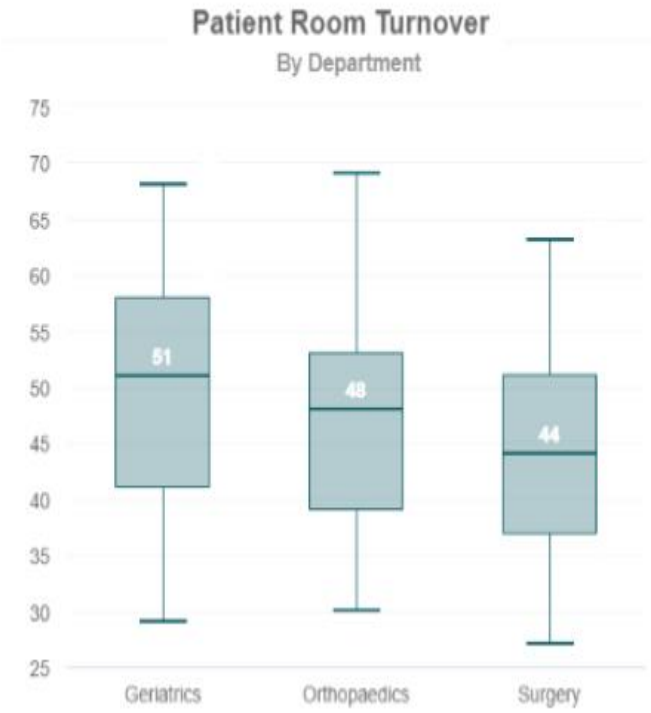
3. ✖ Lowest sales is observed with the Oranges

4. ✖ Sales of Banana > Grapes > Pineapple > Peach

Question Number : 46 Question Id : 97103637553 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

From the data presented through the following Boxplots which of the following statement is

true



Options :

1. ✖ The maximum patient room turnovers is observed with Surgery department

2. ✖ The median patient room turnover of Orthopedics is less than that of Surgery

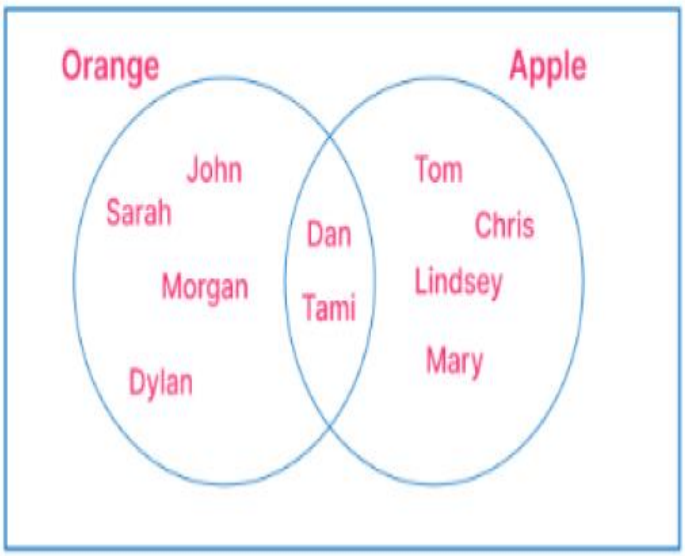
3. ✖ The minimum patient room turnovers is observed with Orthopedics department

4. ✔ The minimum patient room turnovers is observed with Surgery department

Question Number : 47 Question Id : 97103637554 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What are the percentages of people who likes oranges, Apples and Both form the display given

below



Options :

1. ✖ 60%, 40% and 20%

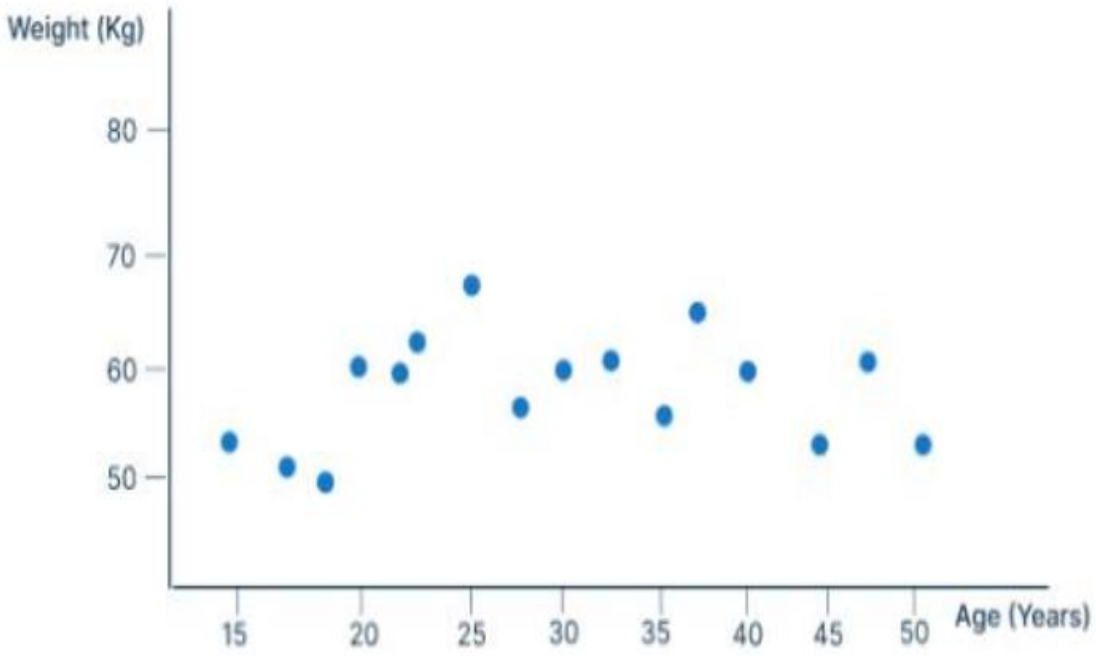
2. ✖ 40%, 60% and 10%

3. ✔ 60%, 60% and 20%

4. ✖ 40%, 40% and 10%

Question Number : 48 Question Id : 97103637555 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the name of the following statistical disclosure



Options :

1. ✖ Area diagram

2. ✖ Bar diagram

3. ✖ Line diagram

4. ✔ Scatter diagram

Question Number : 49 Question Id : 97103637556 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If the following stem-leaf diagram is converted as frequency table with class intervals 0-10, 10-20; 20-30; 30-40; 40-50 and 50-60, how many elements will be observed in the classes of 30-40 and 50-60 ?

Stem	Leaf
0	5
1	6, 7
2	3, 6, 8
3	4, 5, 5, 5, 5, 8, 9
4	7, 7, 7, 8
5	4, 5
6	0

Options :

1. ✖ 7 and 2

2. ✖ 6 and 2

3. ✔ 7 and 3

4. ✖ 6 and 3

Question Number : 50 Question Id : 97103637557 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is immediate next upper level of Kilobyte in the computer memory context?

Options :

1. ✖ Gigabyte

2. ✔ Megabyte

3. ✖ Petabyte

4. ✖ Terabyte

Question Number : 51 Question Id : 97103637558 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is the correct full form of NMEICT?

Options :

1. ✖ National Ministry for Engineering through ICT

2. ✖ National Ministry on E-learning through ICT

3. ✖ National Mission of Engineering through ICT

4. ✔ National Mission on Education through ICT

Question Number : 52 Question Id : 97103637559 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following MS office package will be suitable tool for managing the database?

Options :

1. ✖ MS Excel

2. ✖ MS Word

3. ✔ MS Access

4. ✖ MS Publisher

Question Number : 53 Question Id : 97103637560 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

If the decimal number 45 is converted to binary number, it is 101101. Then what will be the binary code for a decimal number 64?

Options :

1. ✔ 1000000

2. ✖ 1000001

3. ✖ 1000010

4. ✖ 1000011

Question Number : 54 Question Id : 97103637561 Display Question Number : Yes Is Question

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

Which of the following is not an output device with the computer system?

Options :

1. ✖ Monitor

2. ✖ Printer

3. ✔ Scanner

4. ✖ Speaker

Question Number : 55 Question Id : 97103637562 Display Question Number : Yes Is Questi

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

What is the role of the rationale mode in research?

Options :

1. ✔ To emphasize logical reasoning

2. ✖ To prioritize personal experiences

3. ✖ To reject empirical evidence

4. ✖ To rely solely on authorities

Question Number : 56 Question Id : 97103637563 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is relevance of UPS in making use of the personal computer ?

Options :

1. ✔ It's a hardware device that accommodates the continuous power supply to the PC

2. ✖ It's a hardware device that can be used for working with PC as input device

3. ✖ It's a hardware device that will provide the audio or video output

4. ✖ It's hardware device that is working inside the central processing unit of the PC

Question Number : 57 Question Id : 97103637564 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following gases are harmful to protect the ozone layer.

Options :

1. ✖ Carbon dioxide

2. ✔ Chlorofluorocarbon

3. ✖ Nitrogen dioxide

4. ✖ Sulfur dioxide

Question Number : 58 Question Id : 97103637565 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following category of the pollution is due to the emissions of Carbon monoxide during the industrial functioning, vehicle operations and burning of plastics etc. ?

Options :

1. ✔ Air pollution

2. ✖ Soil pollutions

3. ✖ Sound pollution

4. ✖ Water pollution

Question Number : 59 Question Id : 97103637566 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following measures may affect adversely on the environmental health ?

Options :

1. ✖ Increasing the use of green energy

2. ✖ Growth of more trees and plants

3. ✖ Decreasing the gaseous emissions from different sources

4. ✔ Increased carbon emission activities

Question Number : 60 Question Id : 97103637567 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the full form of AQI in the context of measuring the environmental pollution

Options :

1. ✖ Adverse Quantity Index

2. ✔ Air Quality Index

3. ✖ Air Quantity Index

4. ✖ Atmosphere Quantity Index

Question Number : 61 Question Id : 97103637568 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The study that deals with earthquakes is

Options :

1. ✖ Entomology

2. ✖ Epidemiology

3. ✖ Ecology

4. ✔ Seismology

Question Number : 62 Question Id : 97103637569 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The atmospheric disturbances around low-pressure area distinguished by and often destructive air circulation is referred as

Options :

1. ✔ Cyclone

2. ✖ Earthquake

3. ✖ Tsunami

4. ✖ Wildfire

Question Number : 63 Question Id : 97103637570 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following are the major causing factors that influence the rain fall in overall India

Options :

1. ✖ Climate changes in the Bay of Bengal and Arabian Sea

2. ✖ Cyclones & Depressions in the Bay of Bengal and Arabian Sea

3. ✖ Eastern and Western Ghats in the southern peninsula of India

4. ✔ Seasonal Monsoons namely North-East & South-West

Question Number : 64 Question Id : 97103637571 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

STEM education in NEP-2020 is having the focus of the following disciplines of study

Options :

1. ✖ Society, Technology, Environment, Management

2. ✔ Science, Technology, Engineering, Mathematics

3. ✖ Society, Technology, Engineering, Management

4. ✖ Science, Technology, Environment, Mathematics

Question Number : 65 Question Id : 97103637572 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What precaution should researchers take during data interpretation?

Options :

1. ✖ Make assumptions without evidence

2. ✖ Jump to conclusions quickly

3. ✔ Consider alternative explanations

4. ✖ Ignore contradictory findings

Question Number : 66 Question Id : 97103637573 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Who among the following is appointed by the President of India?

Options :

1. ✖ Prime minister of the nation

2. ✔ Governor of a state

3. ✖ Chief minister of a state

4. ✖ Speaker of a state legislative assembly

Question Number : 67 Question Id : 97103637574 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the significance of using graphics in data presentation?

Options :

1. ✖ To confuse readers

2. ✖ To hide important findings

3. ✔ To simplify complex data

4. ✖ To increase word count

Question Number : 68 Question Id : 97103637575 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In research report writing, what is the purpose of the introduction section?

Options :

1. ✖ To present data analysis

2. ✖ To discuss ethical considerations

3. ✖ To summarize the conclusion

4. ✔ To provide background information

Question Number : 69 Question Id : 97103637576 Display Question Number : Yes Is Question

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

Which type of report provides a detailed account of the entire research process and findings?

Options :

1. ✖ Executive summary

2. ✔ Technical report

3. ✖ Progress report

4. ✖ Brief report

Question Number : 70 Question Id : 97103637577 Display Question Number : Yes Is Questi

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

What does plagiarism refer to in research ethics?

Options :

1. ✔ Using someone else's ideas without credit

2. ✖ Citing sources properly

3. ✖ Collaborating with other researchers

4. ✖ Sharing research findings openly

SERICULTURE

Section Id :	971036534
Section Number :	2
Mandatory or Optional :	Mandatory
Number of Questions :	70
Section Marks :	70
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Maximum Instruction Time :	0
Is Section Default? :	null

Question Number : 71 Question Id : 97103637578 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Denier represents the weight of the product

Options :

1. ✖ Silk cocoon

2. ✔ Silk filament

3. ✖ Caterpillar

4. ✖ Adult moth

Question Number : 72 Question Id : 97103637579 Display Question Number : Yes Is Question

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

The mulberry variety recommended for shade conditions is

Options :

1. ✔ Sahana

2. ✖ Victory-1

3. ✖ RC2

4. ✖ AR12

Question Number : 73 Question Id : 97103637580 Display Question Number : Yes Is Question

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruct

Time : 0

Out of the four varieties of silkworms which one is only monophagous in nature?

Options :

1. ✔ Mulberry silkworm

2. ✖ Muga silkworm

3. ✖ Eri silkworm

4. ✖ Oak tasar

Question Number : 74 Question Id : 97103637581 Display Question Number : Yes Is Question

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

The number of pairs of abdominal legs in *Bombyx mori* are

Options :

1. ✖ 6

2. ✖ 2

3. ✖ 4

4. ✔ 5

Question Number : 75 Question Id : 97103637582 Display Question Number : Yes Is Questi

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instructi

Time : 0

Calcified cocoons are symptoms of

Options :

1. ✖ Bacteria

2. ✔ Fungus

3. ✖ Virus

4. ✖ Parasites

Question Number : 76 Question Id : 97103637583 Display Question Number : Yes Is Question

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

State producing both Eri and Muga in larger quantity is

Options :

1. ✔ Assam

2. ✖ Karnataka

3. ✖ Andhra Pradesh

4. ✖ West Bengal

Question Number : 77 Question Id : 97103637584 Display Question Number : Yes Is Questi

Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instructi

Time : 0

Gentle shaking while harvesting is done to

Options :

1. ✖ Detach the pupa from the cocoon

2. ✔ Removal of faecal material

3. ✖ To test its maturity

4. ✖ Break the cocoon

Question Number : 78 Question Id : 97103637585 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Bacterial disease in which bacteria multiply in haemolymph?

Options :

1. ✔ Septicemia

2. ✖ Flacherie

3. ✖ Pebrine

4. ✖ Grasserie

Question Number : 79 Question Id : 97103637586 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Last feed of larvae may last up to

Options :

1. ✖ 4-5 days

2. ✖ 7-8 days

3. ✔ 5-7 days

4. ✖ 10 days

Question Number : 80 Question Id : 97103637587 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Time taken in moulting of late-age larvae is

Options :

1. ✖ 20 hrs

2. ✔ 30 hrs

3. ✖ 24 hrs

4. ✖ 18 hrs

Question Number : 81 Question Id : 97103637588 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In the cost of silk production, the percent cost of mulberry leaf is

Options :

1. ✖ 50%

2. ✖ 70%

3. ✔ 60%

4. ✖ 40%

Question Number : 82 Question Id : 97103637589 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The Feather method of brushing is used in

Options :

1. ✖ Loose egg box

2. ✖ Tapping

3. ✔ Eggs on card

4. ✖ Black box

Question Number : 83 Question Id : 97103637590 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Dusting of sulphur is a measure suggested for the control of the mulberry disease

Options :

1. ✖ Root damage

2. ✔ Powdery mildew

3. ✖ Leaf spot

4. ✖ Leaf rust

Question Number : 84 Question Id : 97103637591 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Highest chromosomal number is seen in

Options :

1. ✖ *Morus indica*

2. ✔ *Morus nigra*

3. ✖ *Morus rubra*

4. ✖ *Morus alba*

Question Number : 85 Question Id : 97103637592 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The larval reproductive markings present in _____of female silkworm

Options :

1. ✖ Herold's gland

2. ✔ Ishiwata's gland

3. ✖ Scent glands

4. ✖ Alluvial gland

Question Number : 86 Question Id : 97103637593 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The whole shoot harvest is very common in

Options :

1. ✖ Irrigated mulberry

2. ✖ Rainfed mulberry

3. ✔ Intensive cultivation

4. ✖ Row system of mulberry

Question Number : 87 Question Id : 97103637594 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The silk glands are derived from

Options :

1. ✖ Blastoderm

2. ✔ Ectoderm

3. ✖ Endoderm

4.

✖ Mesoderm

Question Number : 88 Question Id : 97103637595 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Double cocoon formation is largely due to

Options :

1. ✖ High temperature

2. ✖ High intensity of light

3. ✖ Slanting position of mountage

4. ✔ High density of mounting

Question Number : 89 Question Id : 97103637596 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

An Indian silk bale is

Options :

1. ✔ 50 kg

2. ✖ 60 kg

3. ✖ 80 kg

4. ✖ 70 kg

Question Number : 90 Question Id : 97103637597 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The V-1 variety of mulberry was developed by

Options :

1. ✖ KSSRDI, Bangalore

2. ✖ CSRTI, Palampur

3. ✔ CSRTI, Mysore

4. ✖ CSRTI, Brahmapur

Question Number : 91 Question Id : 97103637598 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The head office of Central Silk Board is located in

Options :

1. ✖ Chennai

2. ✔ Bangalore

3. ✖ Delhi

4. ✖ Mysore

Question Number : 92 Question Id : 97103637599 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Fine-quality of the silk can be obtained from

Options :

1. ✖ Multivoltine cocoons

2. ✖ Diazo cocoons

3. ✔ Bivoltine cocoons

4. ✖ Nistari cocoons

Question Number : 93 Question Id : 97103637600 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In mulberry, silkworm diapause occurs in

Options :

1. ✔ Egg stage

2. ✖ Pupa stage

3. ✖ Adult stage

4. ✖ Larval stage

Question Number : 94 Question Id : 97103637601 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The female *Bombyx* pupa is identified by its 'x' mark on the ventral side of

Options :

1. ✖ 6^{th} segment

2. ✔ 8^{th} segment

3. ✖ 7^{th} segment

4. ✖ 9^{th} segment

Question Number : 95 Question Id : 97103637602 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The amino acid which is not abundant in silk fibroin is

Options :

1. ✖ Alanine

2. ✖ Glycine

3. ✖ Serine

4. ✔ Thiamine

Question Number : 96 Question Id : 97103637603 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The process of separating the newly hatched worms from the shells of their eggs, and collecting them for convenience of rearing is called

Options :

1. ✖ Stifling

2. ✖ Skeining

3. ✖ Cooking

4. ✔ Brushing

Question Number : 97 Question Id : 97103637604 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The method of obtaining the silk fibre from the cocoons is known as

Options :

1. ✔ Silk filature

2. ✖ Silk spinning

3. ✖ Silk weaving

4. ✖ Silk throwing

Question Number : 98 Question Id : 97103637605 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How many instars are present in the larval stage of *Bombyx mori*?

Options :

1. ✖ Three

2. ✖ Seven

3. ✔ Five

4. ✖ Two

Question Number : 99 Question Id : 97103637606 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is the bacterial disease of silkworm?

Options :

1. ✖ Polyhedrosis

2. ✖ Muscadine

3. ✔ Flacherie

4. ✖ Densonucleosis

Question Number : 100 Question Id : 97103637607 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How many pairs of silk glands develop a cocoon?

Options :

1. ✖ One

2. ✔ Two

3. ✖ Three

4. ✖ Four

Question Number : 101 Question Id : 97103637608 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Pigments like xanthophyll present in _____ layer of the silk impart colour to the silk.

Options :

1. ✖ Fibronin

2. ✖ Vitellin

3. ✔ Sericin

4. ✖ Lectin

Question Number : 102 Question Id : 97103637609 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is not the method of rearing late age silkworm?

Options :

1. ✖ Shelf rearing

2. ✖ Shoot rearing

3. ✖ Floor rearing

4. ✔ Paraffin paper rearing

Question Number : 103 Question Id : 97103637610 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Micropropagation also facilitates production of virus-free plants from

Options :

1. ✔ Apical meristem

2. ✖ Lateral meristem

3. ✖ Intercalary meristem

4. ✖ Both apical and intercalary meristem

Question Number : 104 Question Id : 97103637611 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The cells of the upper epidermis in mulberry leaf enlarge to form a structure containing non-crystalline $CaCO_3$, which is characteristic of the family and is known as

Options :

1. ✖ Cystolith

2. ✖ Air chamber

3. ✔ Idioblast

4. ✖ Phellum

Question Number : 105 Question Id : 97103637612 Display Question Number : Yes Is Question

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

Morus, a genus of flowering plants is in the family_____

Options :

1. ✖ Brassicaceae

2. ✖ Ericaceae

3. ✖ Lamiaceae

4. ✔ Moraceae

Question Number : 106 Question Id : 97103637613 Display Question Number : Yes Is Quest

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

In which approach do we protect and conserve the animals that need urgent measures to save it from extinction?

Options :

1. ✖ *On-site* conservation

2. ✖ No conservation

3. ✖ *In-situ* conservation

4. ✔ *Ex-situ* conservation

Question Number : 107 Question Id : 97103637614 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following countries are major producers of silk?

Options :

1. ✔ China and India

2. ✖ India and Japan

3. ✖ China and Japan

4. ✖ Bangladesh and China

Question Number : 108 Question Id : 97103637615 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Where is the malate stored in CAM plants?

Options :

1. ✖ Chloroplast

2. ✖ Mitochondria

3. ✖ Endoplasmic reticulum

4. ✔ Vacuoles

Question Number : 109 Question Id : 97103637616 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the density of silk fibre?

Options :

1. ✖ 0.64 gm/cubic centimeter

2. ✔ 1.64 gm/cubic centimeter

3. ✖ 2.64 gm/cubic centimeter

4. ✖ 3.64 gm/cubic centimeter

Question Number : 110 Question Id : 97103637617 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which is not a part of silkworm egg?

Options :

1. ✔ Filippi's gland

2. ✖ Vitelline membrane

3. ✖ Chorion

4. ✖ Yolk

Question Number : 111 Question Id : 97103637618 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The process of killing the pupae and drying of cocoons is known as

Options :

1. ✔ Cocoon stifling

2. ✖ Silk Dyeing

3. ✖ Cocoon cooking

4. ✖ Silk reeling

Question Number : 112 Question Id : 97103637619 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Ahimsa silk is naturally obtained from

Options :

1. ✔ Eri silk

2. ✖ Muga silk

3. ✖ Tasar silk

4. ✖ Mulberry silk

Question Number : 113 Question Id : 97103637620 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the process of degumming?

Options :

1. ✔ Boiling of silk cocoon

2. ✖ Sun drying of cocoon

3. ✖ Use of chemical agents

4. ✖ Process of stifling

Question Number : 114 Question Id : 97103637621 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is a graphical representation of the relationship (producers forming the base and top carnivores forming the tip) between the individuals present in various trophic levels of a food chain called?

Options :

1. ✖ Ecological succession

2. ✖ Ecological services

3. ✔ Ecological pyramid

4. ✖ Ecological problems

Question Number : 115 Question Id : 97103637622 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Soil with a lot of organic materials are found in the following colour?

Options :

1. ✖ Red

2. ✖ Orange

3. ✔ Black

4. ✖ Yellow

Question Number : 116 Question Id : 97103637623 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Mulberry grows best in a rainfall range of

Options :

1. ✖ 50-500 mm

2. ✖ 100-1000 mm

3. ✖ 400-2000 mm

4. ✔ 600-2500 mm

Question Number : 117 Question Id : 97103637624 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The temperature suitable for mulberry cultivation is

Options :

1. ✖ 18 °C to 22 °C

2. ✖ 28 °C to 32 °C

3. ✔ 24 °C to 28 °C

4. ✖ 32 °C to 36 °C

Question Number : 118 Question Id : 97103637625 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The host plant of *Samia ricini*, the Eri silk moth is

Options :

1. ✖ Mulberry

2. ✖ Mahua

3. ✔ Castor

4. ✖ Teak

Question Number : 119 Question Id : 97103637626 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How do urbanization and an increase in population affect biodiversity?

Options :

1. ✖ Increasing land's agricultural capability

2. ✖ Making land more productive

3. ✔ Loss of flora and fauna

4. ✖ More growth of flora and fauna

Question Number : 120 Question Id : 97103637627 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Ozone hole is a depletion of the ozone layer in the

Options :

1. ✔ Stratosphere

2. ✖ Inosphere

3. ✖ Troposphere

4. ✖ Mesosphere

Question Number : 121 Question Id : 97103637628 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following helps get a three-dimensional picture of the specimen?

Options :

1. ✖ Transmission electron microscope

2. ✔ Scanning electron microscope

3. ✖ Bright field microscope

4. ✖ Phase contrast microscope

Question Number : 122 Question Id : 97103637629 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Cytochalasin B is a drug that blocks the function of actin. Which aspects of the animal cell cycle would be most disrupted by cytochalasin B?

Options :

1. ✖ Spindle attachment of kinetochores

2. ✖ Cell elongation during anaphase

3. ✖ DNA synthesis

4. ✔ Cleavage furrow formation & cytokinesis

Question Number : 123 Question Id : 97103637630 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruct Time : 0

Sister chromatids are bound together by _____ during replication and are kept together as the chromosomes condense to metaphase.

Options :

1. ✔ Cohesin

2. ✖ Topoisomerase

3. ✖ Condensin

4. ✖ Histones

Question Number : 124 Question Id : 97103637631 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The first amino acid incorporated at the N-terminus of the polypeptide is

Options :

1. ✔ Methionine

2. ✖ Isoleucine

3. ✖ Tryptophan

4. ✖ Valine

Question Number : 125 Question Id : 97103637632 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Who discovered the technique called hybridoma for the production of monoclonal antibodies in 1975?

Options :

1. ✖ Albert Einstein

2. ✖ Watson and Crick

3. ✔ Georges Köhler & César Milstein

4. ✖ Robert Hook

Question Number : 126 Question Id : 97103637633 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Histamine is a signaling chemical released by the type of cell

Options :

1. ✖ NK cell

2. ✖ Macrophage

3. ✔ Mast cell

4. ✖ Neutrophil

Question Number : 127 Question Id : 97103637634 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Relative humidity of _____ % induces good health, good reelability and quality cocoon.

Options :

1. ✖ 40-50

2. ✖ 50-60

3. ✔ 60-70

4. ✖ 80-90

Question Number : 128 Question Id : 97103637635 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The oval cocoon shape belongs to

Options :

1. ✖ Japanese race

2. ✔ Chinese race

3. ✖ European

4. ✖ Tropical race

Question Number : 129 Question Id : 97103637636 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The number of kilograms of cocoons required for 1 kg of reeled silk is called

Options :

1. ✖ Deiner

2. ✔ Renditta

3. ✖ Reelability

4. ✖ Dalton

Question Number : 130 Question Id : 97103637637 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The circumference of a standard reel is

Options :

1. ✖ 160 cm

2. ✔ 150 cm

3. ✖ 200 cm

4. ✖ 250 cm

Question Number : 131 Question Id : 97103637638 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Silk yarn spun out of tasar cocoon peduncle is called

Options :

1. ✖ Gicha

2. ✖ Katia

3.

✔ Balkal

4. ✖ Jhori

Question Number : 132 Question Id : 97103637639 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Where is a univoltine race reared in India?

Options :

1. ✖ Tamil Nadu

2. ✖ West Bengal

3. ✖ Gujarat

4. ✔ Kashmir

Question Number : 133 Question Id : 97103637640 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

India occupies the _____ position in production of raw silk in the world

Options :

1. ✖ 1^{st}

2. ✔

2nd

3. ✖ 3rd

4. ✖ 4th

Question Number : 134 Question Id : 97103637641 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which state is the largest producer of raw silk in India?

Options :

1. ✖ Tamil Nadu

2. ✖ Kerala

3. ✖ Andhra Pradesh

4. ✔ Karnataka

Question Number : 135 Question Id : 97103637642 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is the tropical Tasar silkworm reared in India?

Options :

1. ✖ *Antheraea roylei*

2. ✔ *Anthereae mylitta*

3. ✖ *Anthereae yamamai*

4. ✖ *Anthereae proylei*

Question Number : 136 Question Id : 97103637643 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

SMOI refers to

Options :

1. ✔ Silk Mark Organisation of India

2. ✖ Silk Maker Organisation of India

3. ✖ Sericulture Mark Organisation of India

4. ✖ Silk Mill Organisation of India

Question Number : 137 Question Id : 97103637644 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The dominant non-symbiotic nitrogen-fixing heterotrophic bacteria in mulberry plant which can also be used as a biofertilizer is

Options :

1. ✔ *Azotobacter chroococcum*

2. ✖ *Azotobacter agilis*

3. ✖ *Azotobacter vinelandi*

4. ✖ *Azotobacter nigricans*

Question Number : 138 Question Id : 97103637645 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following will have more efficient ligation?

Options :

1. ✔ Sticky ends

2. ✖ Blunt ends

3. ✖ Blunt ends and high concentration of DNA

4. ✖ Blunt ends and low concentration of DNA

Question Number : 139 Question Id : 97103637646 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which of the following is not a method for putting sticky ends to a blunt ended DNA fragment to be cloned?

Options :

1. ✖ Homopolymer tailing

2. ✖ Adapter

3. ✔ Restriction digestion

4. ✖ Linkers

Question Number : 140 Question Id : 97103637647 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruct Time : 0

Cultivation of mulberry plant is known as

Options :

1. ✖ Horticulture

2. ✔ Moriculture

3. ✖ Sericulture

4. ✖ Apiculture

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