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 :	Applied Life Sciences 3rd 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 :	971036467
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 : 97103632854 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How does mass media influence society?

Options :

1. ✖ Promotes critical thinking

2. ✔ Shapes public opinion

3. ✖ Limits access to information

4. ✖ Encourages isolation

Question Number : 2 Question Id : 97103632855 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

What is an example of an online teaching platform?

Options :

1. ✖ Tutorial class

2. ✖ Traditional classroom

3. ✖ Laboratory session

4. ✔ Swayamprabha

Question Number : 3 Question Id : 97103632856 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Some students who do not speak often in class and who typically develop ideas and questions in their minds before speaking are _____students.

Options :

1. ✔ Reflective

2. ✖ Active

3. ✖ Non-academic

4. ✖ Shy

Question Number : 4 Question Id : 97103632857 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Learning objectives mean?

Options :

1. ✖ Learning experience

2. ✖ Concise outcomes

3. ✖ Academic achievement

4. ✔ Intended learning outcomes

Question Number : 5 Question Id : 97103632858 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In the following, which one is not considered in 'White Hat'?

Options :

1. ✔ Feelings

2. ✖ Data gathering

3. ✖ Facts

4. ✖ Information needs

Question Number : 6 Question Id : 97103632859 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The modern pedagogical standards are not related to _____ .

Options :

1. ✖ Learners- focussed process

2. ✔ Rigid teaching plan

3. ✖ Individual Students need

4. ✖ Learner diversity

Question Number : 7 Question Id : 97103632860 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How many domains of learning are identified by Benjamin Bloom ?

Options :

1. ✖ Two

2. ✔ Three

3. ✖ Four

4. ✖ Five

Question Number : 8 Question Id : 97103632861 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

As per Bloom's taxonomy, the objective of remembering refers to _____

Options :

1. ✖ Psychomotor

2. ✖ Affective

3. ✔ Cognitive

4. ✖ Social

Question Number : 9 Question Id : 97103632862 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In the following quadrants of SWAYAM, which one is not figured?

Options :

1. ✖ Video lecture

2. ✖ E- content

3. ✖ Self-assessment tests

4. ✔ Podcasts

Question Number : 10 Question Id : 97103632863 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruct Time : 0

In the following, which channel is broadcasting educational content of management and library science and related subjects of the SWAYAM platform?

Options :

1. ✖ Door Darshan

2. ✖ Vageesh-1

3. ✔ Prabandhan-5

4. ✖ Kautilya-7

Question Number : 11 Question Id : 97103632864 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How many quadrants are there in MOOCs?

Options :

1. ✖ Two

2. ✖ Three

3. ✔ Four

4. ✖ Five

Question Number : 12 Question Id : 97103632865 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 best advantage of a Choice Based Credit System of education?

Options :

1. ✔ Student-centric

2. ✖ Flexibility for teachers

3. ✖ Content specific

4. ✖ Teacher-centric

Question Number : 13 Question Id : 97103632866 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The computer-based testing learning domain covers _____ behaviour.

Options :

1. ✖ Conative

2. ✖ Effective

3. ✔ Cognitive

4. ✖ Psychomotor

Question Number : 14 Question Id : 97103632867 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The research activity pursuing based on observable facts is known as _____

Options :

1. ✖ Ethno methodology

2. ✖ Constructionist

3. ✔ Positivism

4. ✖ Manipulative

Question Number : 15 Question Id : 97103632868 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 purpose of using a Venn diagram in logic?

Options :

1. ✖ To confuse the audience

2. ✔ To visualize logical relationships

3. ✖ To simplify complex arguments

4. ✖ To present factual evidence

Question Number : 16 Question Id : 97103632869 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Experimental research is based on _____ methodology.

Options :

1. ✖ Qualitative

2. ✔ Quantitative

3. ✖ Subjective

4. ✖ Contextual

Question Number : 17 Question Id : 97103632870 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 research findings and conclusions are not generalised to other situations?

Options :

1. ✔ Descriptive

2. ✖ Fundamental

3. ✖ Experimental

4. ✖ Historical

Question Number : 18 Question Id : 97103632871 Display Question Number : Yes Is Question

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

In the following approaches, which one is not quantitative research?

Options :

1. ✖ Correlation

2. ✔ Ground theory

3. ✖ Experimental

4. ✖ Deductive

Question Number : 19 Question Id : 97103632872 Display Question Number : Yes Is Questi

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

The National Literacy Mission was started in the year _____

Options :

1. ✖ 1991

2. ✖ 1947

3. ✔ 1998

4. ✖ 2000

Question Number : 20 Question Id : 97103632873 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 best remedy for the student's problems related to learning?

Options :

1. ✖ Suggestion for private tuition

2. ✖ Suggestion for hard work

3. ✔ Diagnostic teaching

4. ✖ Suggestion to go to the library

Is Section Default? : null

Question Id : 97103632874 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:

If you wish to be a writer, you must learn to develop your own point of view. All good writers make us see things in a different light. You may be writing about the same thing as your classmates, but your presentation must reflect your personality and individuality. There are so many interesting subjects you can write about in different forms but here we will try to attempt writing short stories. There is a good market for the following types: humorous stories, adventurous stories, domestic stories, and mysterious stories and stories related to animals and strange experiences. Don't worry if your story turns out to be short-some of the stories are quite short. Be very careful about the climax or end of the story. It must be what the reader fears, desires, expect or best of all doesn't expect. So, get down to it. Think of a plot-make points on how the story will progress and pen it down.

Sub questions

Question Number : 21 Question Id : 97103632875 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The most important thing about being a writer is that

Options :

1. ✖ You must have a pen and paper

2. ✖ You must have a degree in writing

3. ✖ You must have a painful heart

4. ✔ You must learn to develop your own point of view

Question Number : 22 Question Id : 97103632876 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

The narrator advises the reader to write in order to _____.

Options :

1. ✖ Earn a livelihood

2. ✔ Encourage him to become a writer

3. ✖ Make him famous among his people

4. ✖ Show his intelligence to others

Question Number : 23 Question Id : 97103632877 Display Question Number : Yes Is Questi

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

Time : 0

A successful writer's presentation must reflect _____.

Options :

1. ✔ His personality and individuality

2. ✖ His hand writing

3. ✖ His showy nature

4. ✖ His superiority to others

Question Number : 24 Question Id : 97103632878 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The phrase 'pen it down' here means _____.

Options :

1. ✖ To get down

2. ✔ To write

3. ✖ To throw the pen

4. ✖ To throw it down

Question Number : 25 Question Id : 97103632879 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 is essential for aspiring writers to learn?

Options :

1. ✔ Developing their own point of view

2. ✖ Writing about the same topics as classmates

3. ✖ Avoiding short stories

4. ✖ Following popular writing trends

Is Section Default? : null

Question Number : 26 Question Id : 97103632880 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The fundamental function of SPSS software is _____.

Options :

1. ✖ To analyse quantitative data

2. ✖ Management reference tool

3. ✔ Statistical Package for analysing quantitative data

4. ✖ Useful for literature review

Question Number : 27 Question Id : 97103632881 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Plagiarism in research refers to _____.

Options :

1. ✖ Using previous data

2. ✖ Quoting findings of others

3. ✔ Unscrupulously copying others works

4. ✖ Incorporating earlier findings of the research.

Question Number : 28 Question Id : 97103632882 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In the following, which one is considered a barrier of effective communication?

Options :

1. ✔ Differences of cultural aspects

2. ✖ Active listening

3. ✖ Clarity of message

4. ✖ Perfect information

Question Number : 29 Question Id : 97103632883 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In the following communication, which one is considered as interpersonal?

Options :

1. ✖ Metaphorical

2. ✖ Philosophical

3. ✖ It is not participating in friendly

4. ✔ It is both focused and unfocussed.

Question Number : 30 Question Id : 97103632884 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which one of the following is not considered as verbal communication?

Options :

1. ✖ Instruction

2. ✔ Wordless messages

3. ✖ Practicals

4. ✖ Online classes

Question Number : 31 Question Id : 97103632885 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In the following, which one is not considered a subjective aspect of culture ?

Options :

1. ✖ Belief

2. ✖ Attitude

3. ✔ Language

4. ✖ Values

Question Number : 32 Question Id : 97103632886 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The origin of the word communication is from _____.

Options :

1. ✖ Greek

2. ✖ German

3. ✔ Latin

4. ✖ French

Question Number : 33 Question Id : 97103632887 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Who is regarded as the father of reasoning?

Options :

1. ✖ Plato

2. ✖ Rousseau

3. ✖ Montesquieu

4. ✔ Aristotle

Question Number : 34 Question Id : 97103632888 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In a college 400 students took a mock test. In that 60 percent of boys and 80 percent of the girls cleared the cut off in the test. Suppose the total percentage of students clearing the cut off in the test is 65 percent, how many girls appeared in the test?

Options :

1. ✖ 300

2. ✖ 250

3. ✖ 150

4. ✔ 100

Question Number : 35 Question Id : 97103632889 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

3,5,9,17, 33, ____. What is the next number?

Options :

1. ✖ 45

2. ✖ 35

3. ✔ 65

4. ✖ 75

Question Number : 36 Question Id : 97103632890 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How many types of reasoning are there?

Options :

1. ✖ Four

2. ✔ Two

3. ✖ Three

4. ✖ Five

Question Number : 37 Question Id : 97103632891 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Suppose AIRLINE is written as ENILRIA7, then RAILWAY will be written as _____

Options :

1. ✖ YAWILAR8

2. ✖ YAWILAR7

3. ✔ YAWLIAR7

4. ✖ YAWLIAR8

Question Number : 38 Question Id : 97103632892 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In the following series 3W, 7V, 11U, 15T, ____ What comes next?

Options :

1. ✖ 22Q

2. ✖ 20P

3. ✔ 19S

4. ✖ 19Z

Question Number : 39 Question Id : 97103632893 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 sum of (71/105) and (71/420)?

Options :

1. ✖ 83/84

2. ✖ 73/84

3. ✖ 79/84

4. ✔ 71/84

Question Number : 40 Question Id : 97103632894 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruct

Time : 0

A car can finish a certain journey in 10 hrs at a speed of 48 kmph. To cover the same distance in 8 hours, the speed of the car must be increased by

Options :

1. ✔ 12 kmph

2. ✖ 15 kmph

3. ✖ 6 kmph

4. ✖ 7.5 kmph

Question Number : 41 Question Id : 97103632895 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Suppose the price of the commodity is increased by 50 percent and by what fraction must its consumption be reduced to keep the same expenditure consumption?

Options :

1. ✖ 1/2

2. ✔ 1/3

3. ✖ 1/4

4. ✖ 2/3

Question Number : 42 Question Id : 97103632896 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The selling price of a bicycle is Rs. 2,850 and the shopkeeper gains 14% profit. Suppose the profit is reduced to 8%, then the selling price will be Rs. _____.

Options :

1. ✖ 2,600

2. ✔ 2,700

3. ✖ 2,800

4. ✖ 3,000

Question Number : 43 Question Id : 97103632897 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Find out the simple interest, when principal is Rs. 3,000 at the rate of 5% per annum for 2 years?

Options :

1. ✔ 300

2. ✖ 305

3. ✖ 303

4. ✖ 307

Question Number : 44 Question Id : 97103632898 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A channel marked at a price Rs. 1,600 is available at a discount of 45%. What is the discount given?

Options :

1. ✖ 740

2. ✖ 800

3. ✔ 720

4. ✖ 760

Question Number : 45 Question Id : 97103632899 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The average marks of 25 students is 18. The average marks of first 12 students is 14 and the average marks of last 12 students is 17. What is the 13^{th} student result?

Options :

1. ✖ 69

2. ✖ 74

3. ✔ 78

4. ✖ 75

Question Number : 46 Question Id : 97103632900 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 statements is 'Contra positive' of " All Whales are Mammals"?

Options :

1. ✖ Some Whales are Mammals

2. ✖ Some Mammals are Whales

3. ✔ All non-Mammals are non-Whales

4. ✖ All Mammals are Whales.

Question Number : 47 Question Id : 97103632901 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruct Time : 0

In the following statement, which informal fallacy is committed?
Statement: We should not ban smoking because it is a personal choice and people should have the freedom to do what they want.

Options :

1. ✖ False dilemma

2. ✖ Ad hominem

3. ✔ Appeal to emotion

4. ✖ Equivocation

Question Number : 48 Question Id : 97103632902 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A word or phrase that is understood by every person in a particular culture is known as its _____

Options :

1. ✖ Denotation

2. ✖ Connotation

3. ✔ Sense

4. ✖ Reference

Question Number : 49 Question Id : 97103632903 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In the following types of reasoning, in the conclusion the word 'likely' is used.

Options :

1. ✔ Inductive

2. ✖ Deductive

3. ✖ Analogical

4. ✖ Syllogistic

Question Number : 50 Question Id : 97103632904 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Insect: Disease; War: _____?

Options :

1. ✖ Arsenal

2. ✖ Defeat

3. ✔ Destruction

4. ✖ Army

Question Number : 51 Question Id : 97103632905 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 meaning of 'pratyaksh' ?

Options :

1. ✖ Inference

2. ✔ Perception

3. ✖ Implied

4. ✖ Transcendental

Question Number : 52 Question Id : 97103632906 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In Indian logic, what is the meaning of 'Anumana"?

Options :

1. ✖ Determination

2. ✖ Credibility

3. ✔ Inference

4. ✖ Implication

Question Number : 53 Question Id : 97103632907 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In the HTML, M refers to _____.

Options :

1. ✖ Machine

2. ✔ Markup

3. ✖ Margin

4. ✖ Micro

Question Number : 54 Question Id : 97103632908 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The receiving emails appear in _____.

Options :

1. ✖ Spam

2. ✖ Trash

3. ✔ Inbox

4. ✖ Archive

Question Number : 55 Question Id : 97103632909 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Internet standard protocol is _____.

Options :

1. ✖ FTP

2. ✖ WWW

3. ✔ TCP/IP

4. ✖ UDP

Question Number : 56 Question Id : 97103632910 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In the following video-conferencing platforms, which one is popular?

Options :

1. ✖ Gmail

2. ✖ Spotify

3. ✖ Google Drive

4. ✔ Zoom

Question Number : 57 Question Id : 97103632911 Display Question Number : Yes Is Question

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

The purpose of the intranet is _____.

Options :

1. ✖ To facilitate online shopping

2. ✖ To make video calls

3. ✖ To provide unrestricted Access to information on the internet.

4. ✔ To allow communication within a specific company

Question Number : 58 Question Id : 97103632912 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

To improve Quality of research, the government has initiated a digital program and it is called _____.

Options :

1. ✖ National Knowledge Network

2. ✔ E-Shodh Sindu

3. ✖ Swayam

4. ✖ E-PG pathshala

Question Number : 59 Question Id : 97103632913 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In the following sections, which one deals with the punishment for cyber terrorism as per IT Act 2000.

Options :

1. ✔ 66 F

2. ✖ 67 B

3. ✖ 66 B

4. ✖ 45 F

Question Number : 60 Question Id : 97103632914 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

'Joystick' refers to _____ device.

Options :

1. ✖ Output

2. ✖ Storage

3. ✔ Input

4. ✖ Network

Question Number : 61 Question Id : 97103632915 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which organisation is established in India to promote , review, encourage, assist and coordinate science research?

Options :

1. ✖ ICSSR

2. ✔ CSIR

3. ✖ NCAR

4. ✖ NCTE

Question Number : 62 Question Id : 97103632916 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In the following gases, which one is not considered as 'Green House Gas'

Options :

1. ✖ Methane

2. ✖ Nitrous oxide

3. ✔ Oxygen

4. ✖ Carbon dioxide

Question Number : 63 Question Id : 97103632917 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The Environmental protection Act in India was enacted in the year_____.

Options :

1. ✖ 1981

2. ✖ 1996

3. ✔ 1986

4. ✖ 1995

Question Number : 64 Question Id : 97103632918 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 pollution can cause respiratory problems ?

Options :

1. ✖ Acid rain

2. ✔ Smog

3. ✖ Ozone depletion

4. ✖ Eutrophication

Question Number : 65 Question Id : 97103632919 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 correct order of 3R principle?

Options :

1. ✖ Recycle, Reuse, Reduce

2. ✖ Reuse, Reduce,Recycle

3. ✔ Reduce, Reuse, Recycle

4. ✖ Recycle, Reduce,Reuse

Question Number : 66 Question Id : 97103632920 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The Forest conservation Act was passed in the year _____.

Options :

1. ✖ 1986

2. ✖ 1990

3. ✔ 1980

4. ✖ 1988

Question Number : 67 Question Id : 97103632921 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

_____ is an international treaty signed in 1987 to protect the ozone layer.

Options :

1. ✖ Rio Summit

2. ✖ Kyoto Protocol

3. ✖ Vienna convention

4. ✔ Montreal Protocol

Question Number : 68 Question Id : 97103632922 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

Study the following Table and answer the questions from:

Total Number of Employees in different departments of an organisation and percentage of females and males.			
Department	Total number of employees	Percentage of females	Percentage of Males
IT	840	45	55
Accounts	220	35	65
Production	900	23	77
HR	360	65	35
Marketing	450	44	56
Customer Service	540	40	60

What is the total number of employees in all the departments together ?

Options :

1. ✖ 3260

2. ✔ 3310

3. ✖ 3140

4. ✖ 3020

Question Number : 69 Question Id : 97103632923 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Study the following Table and answer the questions from:

Total Number of Employees in different departments of an organisation and percentage of females and males.			
Department	Total number of employees	Percentage of females	Percentage of Males
IT	840	45	55
Accounts	220	35	65
Production	900	23	77
HR	360	65	35
Marketing	450	44	56
Customer Service	540	40	60

What is the respective ratio of the number of females in production department to the number of females in the marketing department?

Options :

1. ✖ 22:23

2. ✖ 35:33

3. ✔ 23:22

4. ✖ 33:35

Question Number : 70 Question Id : 97103632924 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Study the following Table and answer the questions from:

Total Number of Employees in different departments of an organisation and percentage of females and males.			
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HR	360	65	35
Marketing	450	44	56
Customer Service	540	40	60

What is the total number of males in the IT and customer service departments together

Options :

1. ✖ 687

2. ✖ 678

3. ✖ 768

4. ✔ 786

Applied Life Sciences

Section Id : 971036468

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 : 97103632925 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Acids on reaction with metal oxides produce

Options :

1. ✖ Hydrogen gas and salt

2. ✔ Water and salt

3. ✖ Water

4. ✖ Oxygen

Question Number : 72 Question Id : 97103632926 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Among the following, which chemical inhibit mitochondrial electron transport chain (ETC)

Options :

1. ✖ Streptomycin

2. ✖ Nystatin

3. ✔ Sodium azide

4. ✖ Butene

Question Number : 73 Question Id : 97103632927 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Ramachandran plot can be used to predict which of the following structure?

Options :

1. ✖ Quaternary structure

2. ✖ Primary structure

3. ✔ Secondary structure

4. ✖ Tertiary structure

Question Number : 74 Question Id : 97103632928 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Formation of disulfide bonds occur in

Options :

1. ✖ Nucleus

2. ✔ Endoplasmic reticulum

3. ✖ Mitochondria

4. ✖ Plasma membrane

Question Number : 75 Question Id : 97103632929 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 aromatic amino acid?

Options :

1. ✖ Glutamic acid

2. ✔ Tryptophan

3. ✖ Glycine

4. ✖ Glutamine

Question Number : 76 Question Id : 97103632930 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 bonds form between adjacent segments of polypeptide chain of β sheet

Options :

1. ✖ Ionic bonds

2. ✖ Covalent bonds

3. ✖ Disulfide bonds

4. ✔ Hydrogen bonds

Question Number : 77 Question Id : 97103632931 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Vitamin B complex is essential for humans because

Options :

1. ✖ It is obtained only from plant sources

2. ✖ It is obtained only from animal sources

3. ✔ It acts as a cofactor for various metabolic enzymes

4. ✖ It is directly utilized in various metabolic reactions

Question Number : 78 Question Id : 97103632932 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 net gain of ATP during the conversion of glucose to pyruvate?

Options :

1. ✔ 2 ATP

2. ✖ 4 ATP

3. ✖ 6 ATP

4. ✖ 1 ATP and 1 GTP

Question Number : 79 Question Id : 97103632933 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 cell organelle is responsible for transporting, modifying, and packaging proteins and lipids?

Options :

1. ✖ Mitochondria

2. ✖ Endoplasmic reticulum

3. ✔ Golgi complex

4. ✖ Lysosomes

Question Number : 80 Question Id : 97103632934 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Negative potential across plasma membrane is maintained by

Options :

1. ✔ Active transport

2. ✖ Passive transport

3. ✖ Endocytosis

4. ✖ Exocytosis

Question Number : 81 Question Id : 97103632935 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Nuclear DNA replicates in the _____ phase

Options :

1. ✖ G2 phase

2. ✖ M phase

3. ✖ G0 phase

4. ✔ S phase

Question Number : 82 Question Id : 97103632936 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Error-free repair of double strand breaks in DNA is accomplished by

Options :

1. ✖ Non-homologous end-joining

2. ✖ Base excision repair

3. ✔ Homologous recombination

4. ✖ Mismatch repair

Question Number : 83 Question Id : 97103632937 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which one of the following RNA serves the regulatory functions including splicing and gene silencing?

Options :

1. ✖ Messenger RNA (mRNA)

2. ✖ Transfer RNA (tRNA)

3. ✖ Ribosomal RNA (rRNA)

4. ✔ Small nuclear RNA (snRNA)

Question Number : 84 Question Id : 97103632938 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 enzyme used for joining DNA fragments ?

Options :

1. ✖ Topoisomerase

2. ✖ Terminal transferase

3. ✔ DNA ligase

4. ✖ Alkaline phosphatase

Question Number : 85 Question Id : 97103632939 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruct

Time : 0

Which endonuclease cleaves both single and double stranded DNA molecules in a nonspecific manner?

Options :

1. ✖ S1 nuclease

2. ✖ Bal31 nuclease

3. ✔ DNAse I

4. ✖ Bam HI

Question Number : 86 Question Id : 97103632940 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Mark the signal molecule which does not interact with cell surface receptor.

Options :

1. ✖ Insulin

2. ✖ Glucagon

3. ✔ Testosterone

4. ✖ Gastrin

Question Number : 87 Question Id : 97103632941 Display Question Number : Yes Is Questi Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In eukaryotes, which polymerase makes mRNA?

Options :

1. ✖ RNA polymerase I

2. ✔ RNA polymerase II

3. ✖ DNA polymerase I

4. ✖ RNA polymerase III

Question Number : 88 Question Id : 97103632942 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Given below are two sets of terms related to various methods used in biological science. Choose the correct option.

	Set A		Set B
A	Yeast two hybrid system	(i)	Real time PCR
B	Taqman probe	(ii)	Determining the ends of mRNA
C	Colony hybridization	(iii)	Identification of gene of interest
D	RACE	(iv)	Detection and analysis of proteins
E	2D PAGE	(v)	Protein-protein interactions

Options :

1. ✔ A-(v); B-(i); C-(iii); D-(ii); E-(iv)

2. ✖ A-(i); B-(iii); C-(ii); D-(iv); E-(v)

3. ✖ A-(v); B-(ii); C-(iii); D-(i); E-(iv)

4. ✖ A-(iv); B-(ii); C-(iii); D-(v); E-(i)

Question Number : 89 Question Id : 97103632943 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 role of the promoter region in the regulation of gene expression?

Options :

1. ✔ Recruit RNA polymerase and transcription factors to DNA

2. ✖ Bind negative regulators to inhibit gene expression

3. ✖ Allow for alternative splicing and recombination of genetic components

4. ✖ Alter gene expression by binding transcription factors

Question Number : 90 Question Id : 97103632944 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Secretary antibody is

Options :

1. ✔ IgA

2. ✖ Ig D

3. ✖ Ig E

4. ✖ Ig G

Question Number : 91 Question Id : 97103632945 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

One of the following is NOT related to post-translational modifications in eukaryotes.

Options :

1. ✔ Poly A addition

2. ✖ Glycosylation

3. ✖ Phosphorylation

4. ✖ Addition of disulfide bonds

Question Number : 92 Question Id : 97103632946 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Where does haematopoiesis take place

Options :

1. ✖ Lungs

2. ✖ Pancreas

3. ✖ Liver

4. ✔ Bone marrow

Question Number : 93 Question Id : 97103632947 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

p53 is

Options :

1. ✖ an oncogene

2. ✖ a cytotoxic protein

3. ✔ a tumor suppressor gene

4. ✖ virus induced gene

Question Number : 94 Question Id : 97103632948 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The bacterium *Staphylococcus aureus* is which type of bacteria?

Options :

1. ✔ Mesophile

2. ✖ psychrophile

3. ✖ Acidophile

4. ✖ Thermophile

Question Number : 95 Question Id : 97103632949 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Human genome contains about

Options :

1.

✖ Two million nucleotide base pairs

2. ✔ Three billion nucleotide base pairs

3. ✖ Four million nucleotide base pairs

4. ✖ Five billion nucleotide base pairs

Question Number : 96 Question Id : 97103632950 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which plant has been used in phytoremediation for uptake of cadmium from contaminated soil

Options :

1. ✖ *Tridax procumbens*

2. ✔ *Brassica juncea*

3. ✖ *Silene vulgaris*

4. ✖ *Oscimum basalicum*

Question Number : 97 Question Id : 97103632951 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Bacteriophages that can enter into stable, long-term relationship with their hosts are called

Options :

1. ✖ Lytic phages

2. ✖ Defective phages

3. ✖ Virulent phages

4. ✔ Temperate phages

Question Number : 98 Question Id : 97103632952 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruct Time : 0

Mycobacterium tuberculosis is an intracellular bacterium. It prefers to infect

Options :

1. ✔ Macrophages

2. ✖ B cells

3. ✖ Neutrophils

4. ✖ T cells

Question Number : 99 Question Id : 97103632953 Display Question Number : Yes Is Question

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

Who is the father of vaccines?

Options :

1. ✖ Robert Hooke

2. ✖ Martinus Willem Beijerinck

3. ✔ Edward Jenner

4. ✖ Alexander Fleming

Question Number : 100 Question Id : 97103632954 Display Question Number : Yes Is Quest

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

Time : 0

Which is the following human serum immunoglobulins takes part in classical complement fixation pathway?

Options :

1. ✖ IgD

2. ✖ IgE

3. ✔ IgG

4. ✖ IgA

Question Number : 101 Question Id : 97103632955 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 hypersensitivity reaction is known as a delayed hypersensitivity reaction?

Options :

1. ✖ Type I

2. ✖ Type II

3. ✖ Type III

4. ✔ Type IV

Question Number : 102 Question Id : 97103632956 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 antigen presenting cell ?

Options :

1. ✖ B cell

2. ✖ Dendritic cell

3. ✖ Macrophage

4. ✔ T cell

Question Number : 103 Question Id : 97103632957 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A man whose father was colour blind and mother is normal marries a woman who had a colour blind mother and normal father. What percentage of male children of this couple will be colour blind?

Options :

1. ✖ 0%

2. ✖ 25%

3. ✔ 50%

4. ✖ 100%

Question Number : 104 Question Id : 97103632958 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

β-pleated sheets are the example of

Options :

1. ✖ Primary structure

2. ✖ Tertiary structure

3. ✔ Secondary structure

4. ✖ Quaternary structure

Question Number : 105 Question Id : 97103632959 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 yeast can be used to produce microbial protein?

Options :

1. ✖ *Eremothecium ashbyi*

2. ✔ *Candida utilis*

3. ✖ *Saccharomyces cerevisiae*

4. ✖ *Trichoderma spirale*

Question Number : 106 Question Id : 97103632960 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

On sequence analysis of double stranded DNA, the results showed the content of cytocine, C was 20%. What is the amount of A and T put together?

Options :

1. ✖ 20%

2. ✖ 30%

3. ✖ 50%

4. ✔ 60%

Question Number : 107 Question Id : 97103632961 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 chemical mutagen affects only replicating DNA?

Options :

1. ✖ Acridine dye

2. ✔ Base analog

3. ✖ Alkylating agent

4. ✖ Deaminating agent

Question Number : 108 Question Id : 97103632962 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Who is "Father of Genetics"?

Options :

1. ✖ Morgan

2. ✔ Mendel

3. ✖ Whatson

4. ✖ Bateson

Question Number : 109 Question Id : 97103632963 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 horizontal transmission route?

Options :

1. ✖ Respiratory

2. ✖ Faeco-oral

3. ✔ Placental

4. ✖ Mosquito-borne

Question Number : 110 Question Id : 97103632964 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Apoptosis can't kill which of the following

Options :

1. ✖ Cells infected with vims

2. ✔ Cancer cells

3. ✖ Cells with DNA damage

4. ✖ Amme cells

Question Number : 111 Question Id : 97103632965 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Clustal Omega program is used in

Options :

1. ✖ Local alignment

2. ✖ Global alignment

3. ✔ Multiple sequence alignment

4. ✖ Non-local alignment

Question Number : 112 Question Id : 97103632966 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The computational methodology that tries to find the best matching between two molecules, a receptor and a ligand are called

Options :

1. ✖ Molecular matching

2. ✖ Molecular fitting

3. ✖ RASMOL

4. ✔ Molecular docking

Question Number : 113 Question Id : 97103632967 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

An example of homology and similarity tool

Options :

1. ✖ PROSPECT

2. ✖ EMBOSS

3. ✖ COPIA

4. ✔ BLAST

Question Number : 114 Question Id : 97103632968 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

How does ethidium bromide is used to visualize DNA

Options :

1. ✖ stacked between histone molecules

2. ✖ Binds to nucleotide bases

3. ✔ Intercalated between stacked bases

4. ✖ Binding to phosphodiester backbone

Question Number : 115 Question Id : 97103632969 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 a method of virus detection at large scale with low cost

Options :

1. ✖ Microarray

2. ✖ Virus neutralization

3. ✔ ELISA

4. ✖ Real time PCR

Question Number : 116 Question Id : 97103632970 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Antimicrobial peptides of shrimp are produced and stored in

Options :

1. ✖ Nauplii

2. ✖ Hemocoel

3. ✔ Hemocytes

4. ✖ Hepatocytes

Question Number : 117 Question Id : 97103632971 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which property of seawater affects the sinking tendency of marine organisms?

Options :

1. ✖ Opacity

2. ✖ Turbidity

3. ✖ pH

4. ✔ Viscosity

Question Number : 118 Question Id : 97103632972 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction

Time : 0

The crossing of F1 to either of the parents is known as

Options :

1. ✖ Test cross

2. ✖ F1 cross

3. ✔ Back cross

4. ✖ Double cross

Question Number : 119 Question Id : 97103632973 Display Question Number : Yes Is Quest

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

Time : 0

Which of the following genus is a spirochete?

Options :

1. ✖ *Streptomyces coelicolor*

2. ✔ *Chlamydia trachomatis*

3. ✖ *Escherichia coli*

4. ✖ *Treponema palladium*

Question Number : 120 Question Id : 97103632974 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

One of the following is called as natural genetic engineer that is used for the generation of transgenic plants

Options :

1. ✖ *Escherichia coli*

2. ✔ *Agrobacterium tumefaciens*

3. ✖ *Bacillus amyloliquefaciens*

4. ✖ *Arabidopsis thaliana*

Question Number : 121 Question Id : 97103632975 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The following promoter is used in the yeast cell expression vector.

Options :

1. ✔ Alcohol oxidase

2. ✖ Polyhedrin

3. ✖ Cauliflower mosaic virus 35S

4. ✖ T7 polymerase

Question Number : 122 Question Id : 97103632976 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

First recombinant viral vaccine that is available in the market is

Options :

1. ✖ Polio

2. ✔ Hepatitis B

3. ✖ Influenza

4. ✖ Rubella

Question Number : 123 Question Id : 97103632977 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

One of the following virus is the source of reverse transcriptase enzyme

Options :

1. ✖ Japanese encephalitis virus

2. ✔ HIV

3. ✖ Measles virus

4. ✖ Ebola virus

Question Number : 124 Question Id : 97103632978 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 most accurate method for microbial assay of antibiotics?

Options :

1. ✖ Qualitative assay

2. ✖ Biological assay

3. ✔ Chemical assay

4. ✖ Physical assay

Question Number : 125 Question Id : 97103632979 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The major cause of environmental degradation is

Options :

1. ✖ Biomagnification

2. ✔ Nitrogen deposition

3. ✖ Quorum quenching

4. ✖ Liginification

Question Number : 126 Question Id : 97103632980 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Total Magnification of an optical light compound microscope is obtained by

Options :

1. ✖ Magnifying power of the objective lens

2. ✖ Magnifying power of eyepiece

3. ✖ Magnifying power of condenser lens

4. ✔ Magnifying power of both the objective lens and eyepiece

Question Number : 127 Question Id : 97103632981 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 contains structure composed of N-acetylmuramic acid and N-acetylglucosamine?

Options :

1. ✖ Yeast

2. ✖ Amoeba

3. ✔ *E. coli*

4. ✖ Mycoplasma

Question Number : 128 Question Id : 97103632982 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Who is known as the father of Microbiology?

Options :

1. ✖ Edwin John Butler

2. ✖ Ferdinand Cohn

3. ✖ Robert Koch

4. ✔ Antonie van Leeuwenhoek

Question Number : 129 Question Id : 97103632983 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Bacteria having clusters of flagella at both poles of cells are known as

Options :

1. ✔ Amphitrichous

2. ✖ Monotrichous

3. ✖ Atrichous

4. ✖ Lophotrichous

Question Number : 130 Question Id : 97103632984 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

The following technique is used for virus purification

Options :

1. ✖ Flow cytometry

2. ✖ Electron microscopy

3. ✔ Ultracentrifugation

4. ✖ Spectrophotometry

Question Number : 131 Question Id : 97103632985 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Select a foodborne toxin

Options :

1. ✔ Botulinum

2. ✖ Tetanus

3. ✖ Diphtheria

4. ✖ Chlamydia

Question Number : 132 Question Id : 97103632986 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

One of the following virus can be used as biopesticide

Options :

1. ✔ Baculovirus

2. ✖ Tobacco mosaic virus

3. ✖ Vaccinia virus

4. ✖ Poxvirus

Question Number : 133 Question Id : 97103632987 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A serological diagnosis of a primary viral infection may be made for the

Options :

1. ✖ Detection of virus-specific IgA

2.

✖ Detection of virus-specific IgG

3. ✖ Detection of virus-specific IgE

4. ✔ Detection of virus-specific IgM

Question Number : 134 Question Id : 97103632988 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

A type of cell culture that can reproduce for an extended number of generations and is used to support viral replication is

Options :

1. ✖ Diploid fibroblast cells

2. ✖ Primary cell culture

3. ✔ Continuous cell culture

4. ✖ Connective tissue

Question Number : 135 Question Id : 97103632989 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Covaxin vaccine is based on one of the following

Options :

1. ✖ mRNA vaccine

2. ✔ Inactivated whole virus vaccine

3. ✖ Peptide vaccine

4. ✖ Adenoviral vector

Question Number : 136 Question Id : 97103632990 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

One of the following bacteria is the source of *Pfu* DNA polymerase

Options :

1. ✖ *Thermococcus litoralis*

2. ✔ *Pyrococcus furiosus*

3. ✖ *Thermus aquaticus*

4. ✖ *Bacillus thruengensis*

Question Number : 137 Question Id : 97103632991 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 techniques can be used to study conformational changes in protein?

Options :

1. ✖ Mass spectrometry

2. ✖ UV Visible spectroscopy

3. ✔ Circular dichroism spectroscopy

4. ✖ Flow cytometry

Question Number : 138 Question Id : 97103632992 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruct Time : 0

Which of the following microscope would you use to visualize a protein fused to an appropriate reporter in a living cell?

Options :

1. ✖ SEM

2. ✖ Phase contrast microscope

3. ✖ Atomic force microscope

4. ✔ Fluorescent microscope

Question Number : 139 Question Id : 97103632993 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

In chromatography, which of the following can be mobile phase made of?

Options :

1. ✖ Solid or liquid

2. ✔ Liquid or gas

3. ✖ Gas only

4. ✖ Liquid only

Question Number : 140 Question Id : 97103632994 Display Question Number : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Which technique is helpful and used for functional group identification ?

Options :

1. ✔ Infrared spectroscopy

2. ✖ Electron microscopy

3. ✖ Rotational spectroscopy

4. ✖ UV visible spectroscopy

Entrance Exams

- Agricultural Entrance Exams
- Architecture Entrance Exam
- Arts and Humanities Entrance Exams
- Commerce Entrance Examinations
- Common Entrance Examinations
- Computer Application Entrance Exams
- Design Entrance Exams
- Education Entrance Exams
- Engineering Entrance Exams
- Hotel Management Entrance Exams
- Law Entrance Exams
- MBA Entrance Exams
- Media & Journalism Entrance Exams
- Medical Entrance Exams
- Nursing Entrance Exams
- Pharmacy Entrance Exams
- Science Entrance Exams
- Diploma & Polytechnic
- Lateral Entry