

TELANGANA RESIDENTIAL EDUCATIONAL INSTITUTIONS RECRUITMENT BOARD TREI-RB

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 :	Biological Science 13th Aug 2023 Shift 2
Subject Name :	Biological Science
Creation Date :	2023-08-13 16:00:20
Duration :	120
Total Marks :	100
Display Marks:	Yes
Calculator :	None
Magnifying Glass Required? :	No
Ruler Required? :	No
Eraser Required? :	No
Scratch Pad Required? :	No
Rough Sketch/Notepad Required? :	No
Protractor Required? :	No
Show Watermark on Console? :	Yes
Highlighter :	No
Auto Save on Console?	Yes
Change Font Color :	No
Change Background Color :	No
Change Theme :	No
Help Button :	No

Show Reports : No
Show Progress Bar : No

Biological Science

Group Number : 1
Group Id : 59425380
Group Maximum Duration : 0
Group Minimum Duration : 120
Show Attended Group? : No
Edit Attended Group? : No
Break time : 0
Group Marks : 100
Is this Group for Examiner? : No
Examiner permission : Cant View
Show Progress Bar? : No

Biological Science

Section Id : 59425395
Section Number : 1
Section type : Online
Mandatory or Optional : Mandatory
Number of Questions : 100
Number of Questions to be attempted : 100
Section Marks : 100
Enable Mark as Answered Mark for Review and Clear Response : Yes
Maximum Instruction Time : 0
Sub-Section Number : 1

Sub-Section Id : 594253124

Question Shuffling Allowed : Yes

Is Section Default? : null

Question Number : 1 Question Id : 5942537923 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Read the following statements and select the correct option.

- A) Morels and truffles are edible fungi
- B) Morels and truffles belong to the class basidiomycetes

Options :

1. ✓ 'A' is true, 'B' is false

2. ✗ 'B' is true, 'A' is false

3. ✗ Both 'A' and 'B' are true

4. ✗ Both 'A' and 'B' are false

Question Number : 2 Question Id : 5942537924 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the function of "P⁵³ gene"

Options :

1. ✗ Induces milk production rich in human proteins from transgenic cow – "Rosie".

2. ✘ Regulates the production of human insulin (humulin) through *E.coli* in genetic engineering.
3. ✘ Reduces the production of polio vaccine in the laboratory.
4. ✔ Regulates cell division and prevents tumor formation.

Question Number : 3 Question Id : 5942537925 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify vascular cryptogams from the following:

Options :

1. ✘ Conifers
2. ✘ Hornworts
3. ✔ Fern plants
4. ✘ Moss plants

Question Number : 4 Question Id : 5942537926 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the **INCORRECT** pair

Options :

1. ✘ HIV : Spherical
2. ✔ Adenovirus : Cylindrical
3. ✘ Poliomyelitis : Polyhedron
4. ✘ Influenza : Helical

Question Number : 5 Question Id : 5942537927 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Arrange the following changes that occur in meiosis during gametogenesis in correct sequence

- A) Terminalisation
- B) Crossing - over
- C) Tetrads
- D) Synapsis
- E) Disjunction

Options :

1. ✘ B, C, E, D, A
2. ✔ D, C, B, A, E
3. ✘ D, E, C, B, A
4. ✘ C, B, D, E, A

Question Number : 6 Question Id : 5942537928 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the branch that deals with soil management and crop production.

Options :

1. ✓ Agronomy
2. ✗ Agrostology
3. ✗ Pedalogy
4. ✗ Edaphology

Question Number : 7 Question Id : 5942537929 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one the following is apex plant taxonomic research organisation of our country?

Options :

1. ✗ Indian Agricultural Research Institute (IARI)
2. ✗ Central Institute of Medicinal and Aromatic plants (CIMAP)
3. ✗ Indian Council of Agricultural Research (ICAR)

4. ✓ Botanical Survey of India (BSI)

Question Number : 8 Question Id : 5942537930 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following insects is having highest number of chromosomes?

Options :

1. ✘ Housefly

2. ✘ Fruit fly

3. ✓ Butterfly

4. ✘ Honey bee

Question Number : 9 Question Id : 5942537931 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the correct pair

Options :

1. ✘ Theophrastus : Species plantarum

2. ✘ Linnaeus : Historia plantarum

3. ✔ Robert Hooke : Micrographia

4. ✘ Bentham & Hooker : Families of flowering plants

Question Number : 10 Question Id : 5942537932 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following is related to 'Operation Flood'?

Options :

1. ✘ Green Revolution

2. ✔ White Revolution

3. ✘ Floods & Disaster Management

4. ✘ Blue Revolution

Question Number : 11 Question Id : 5942537933 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In which one of the following diagnostic imaging, radio waves and magnets are used to generate images of the organs in the body?

Options :

1. ✘ CT scan
2. ✘ CAT scan
3. ✘ PET scan
4. ✔ MRI scan

Question Number : 12 Question Id : 5942537934 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following period is known as “Golden age of fishes”?

Options :

1. ✔ Devonian
2. ✘ Cambrian
3. ✘ Carboniferous
4. ✘ Permian

Question Number : 13 Question Id : 5942537935 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Read the following statements & identify the correct option.

- A) "*Seymouria*" is a connecting link between Amphibians and Reptiles.
- B) The connecting link between Reptiles and Mammals is "*Ornithorhynchus*".

Options :

- 1. ✘ A is true; B is false
- 2. ✘ A is false; B is true
- 3. ✔ Both 'A' and 'B' are true
- 4. ✘ Both 'A' and 'B' are false

Question Number : 14 Question Id : 5942537936 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following is NOT used as DNA marker (or) genetic marker?

Options :

- 1. ✘ SNP
- 2. ✘ STR
- 3. ✔ PCR

4. ✘ VNTR

Question Number : 15 Question Id : 5942537937 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following genetic disorder is caused due to trisomy of chromosome 21?

Options :

1. ✘ Edward's syndrome
2. ✘ Turner's syndrome
3. ✘ Klinefelter's syndrome
4. ✔ Down's syndrome

Question Number : 16 Question Id : 5942537938 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following sexually transmitted disease is caused by *Treponema pallidum*?

Options :

1. ✘ Gonorrhoea
2. ✔ Syphilis

3. ✘ *Trichomoniasis*

4. ✘ *Chlamydia*

Question Number : 17 Question Id : 5942537939 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In which of the following Assisted Reproductive Technology (ART), fertilization takes place inside the uterus of female humans?

Options :

1. ✔ IUI

2. ✘ IVF-ET

3. ✘ ICSI

4. ✘ ZIFT

Question Number : 18 Question Id : 5942537940 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the hormone secreted by corpus luteum from the following.

Options :

1. ✓ Progesterone

2. ✗ Prolactin

3. ✗ Luteinizing Hormone (LH)

4. ✗ Follicle Stimulating Hormone (FSH)

Question Number : 19 Question Id : 5942537941 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In which of the following Kupffer cells are present?

Options :

1. ✗ Pancreas

2. ✗ Spleen

3. ✓ Liver

4. ✗ Hypothalamus

Question Number : 20 Question Id : 5942537942 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the correct pair

Options :

1. ✘ Parotid glands : Bile
2. ✔ Lieberkuhn crypts : Succus entericus
3. ✘ Glisson's capsules : Hydrochloric acid
4. ✘ Oxyntic cells : Mucus

Question Number : 21 Question Id : 5942537943 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the correct pair of invertebrates with open circulatory system.

Options :

1. ✘ Earthworm: Starfish
2. ✘ Octopus: Leech
3. ✔ Leech: Starfish
4. ✘ Octopus: Earthworm

Question Number : 22 Question Id : 5942537944 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the correct statement

Options :

1. ✘ About 70% of the CO₂ is transported as carbamino haemoglobin
2. ✔ Chemically haemoglobin is an amphoteric compound.
3. ✘ Less pH, more temperature favour the formation of oxyhaemoglobin
4. ✘ Plasma pH changes as haemoglobin absorbs H⁺ ions and becomes acidic.

Question Number : 23 Question Id : 5942537945 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following animals excrete urea as a major nitrogenous waste?

Options :

1. ✘ Tracheary arthropods
2. ✔ Amphibians
3. ✘ Reptiles

4. ✘ Birds

Question Number : 24 Question Id : 5942537946 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the **INCORRECT** statement from the following:

Options :

1. ✘ The major pigments in phaeophyceae are chlorophyll-a, chlorophyll-c and fucoxanthin
2. ✘ Iodine is obtained from kelps like *Laminaria*
3. ✔ The cell walls of Red algae is made up of alginin
4. ✘ Carrageenan is obtained from Red algae

Question Number : 25 Question Id : 5942537947 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In which of the following phenomenon a single locus effects two or more apparently unrelated phenotypic traits?

Options :

1. ✔ Pleiotropy
- 2.

✘ Polygenic inheritance

3. ✘ Epistasis

4. ✘ Codominance

Question Number : 26 Question Id : 5942537948 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is NOT a useful fungus?

Options :

1. ✘ *Pencillium notatum*

2. ✘ *Saccharomyces cerevisiae*

3. ✘ *Agaricus bisporus*

4. ✔ *Aspergillus flavus*

Question Number : 27 Question Id : 5942537949 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following pair of vitamins' deficiency cause anaemia?

Options :

1. ✘ Thiamin : Riboflavin
2. ✔ Folic acid : Cynacobalamin
3. ✘ Biotin : Pantothenic acid
4. ✘ Riboflavin : Biotin

Question Number : 28 Question Id : 5942537950 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the tissue in which fibroblasts are the major components.

Options :

1. ✘ Epithelial tissue
2. ✔ Connective tissue
3. ✘ Muscular tissue
4. ✘ Nervous tissue

Question Number : 29 Question Id : 5942537951 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

While researching on which bacterium, Alexander Fleming discovered penicillin?

Options :

1. ✓ *Staphylococcus*

2. ✗ *Clostridium*

3. ✗ *Pseudomonas*

4. ✗ *Lactobacillus*

Question Number : 30 Question Id : 5942537952 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is commercially used for the production of blood cholesterol lowering statins?

Options :

1. ✗ *Lactobacillus fermentum*

2. ✗ *Trichoderma polysporum*

3. ✓ *Monascus purpureus*

4. ✗ *Bifidobacterium lactis*

Question Number : 31 Question Id : 5942537953 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following phytohormone removes apical dominance in plants?

Options :

1. ✘ Auxins
2. ✘ Ethylene
3. ✘ Gibberellins
4. ✔ Cytokinins

Question Number : 32 Question Id : 5942537954 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In which of the following human part ciliated columnar epithelium is present?

Options :

1. ✘ Pleura
2. ✔ Inner lining of fallopian tube
3. ✘ Pericardium

4. ✘ Inner lining of intestine

Question Number : 33 Question Id : 5942537955 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following types of WBC are the highest in total leucocytes?

Options :

1. ✘ Basophils

2. ✘ Acidophils

3. ✔ Neutrophils

4. ✘ Monocytes

Question Number : 34 Question Id : 5942537956 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the INCORRECT pair

Options :

1. ✘ *Saccharomyces* : Fungus

2. ✘ *Anabaena* : Alga

3. ✓ *Ceratium* : Protozoan

4. ✗ *Cyclops* : Microarthropod

Question Number : 35 Question Id : 5942537957 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following disease is caused by protozoan?

Options :

1. ✓ Kala-azar

2. ✗ Anthrax

3. ✗ Elephantiasis

4. ✗ Japanese encephalitis

Question Number : 36 Question Id : 5942537958 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Who were awarded Nobel prize in 1945 for the discovery of penicillin along with Alexander Fleming?

Options :

1. ✗ Jonas Salk, Y. Subbarao

2. ✘ Marshal, Warren
3. ✘ Edward Jenner, Ronald Ross
4. ✔ Howard Florey, Ernst Boris Chain

Question Number : 37 Question Id : 5942537959 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following disease is **NOT** protected by pentavalent vaccine?

Options :

1. ✘ Whooping cough
2. ✔ Mumps
3. ✘ Tetanus
4. ✘ Hepatitis - B

Question Number : 38 Question Id : 5942537960 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the person from the following who proved experimentally in 1768 that micro-organisms could be killed by boiling

Options :

1. ✓ Lazzaro Spallanzani
2. ✗ Antonie van Leeuwenhoek
3. ✗ Albert Sabin
4. ✗ Barry Marshall

Question Number : 39 Question Id : 5942537961 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the hermaphrodite animal from the following:

Options :

1. ✗ Cockroach
2. ✗ Ascaris
3. ✓ Snail
4. ✗ House fly

Question Number : 40 Question Id : 5942537962 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Who stated that '*Cells arise from pre-existing cells*'?

Options :

1. ✘ Theodor Schwann

2. ✘ Matthias Jakob Schleiden

3. ✘ Eduard Strasburger

4. ✔ Rudolf Carl Virchow

Question Number : 41 Question Id : 5942537963 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Female heterogametic sex determination, "ZO-ZZ method" is commonly present in

Options :

1. ✔ Butterflies

2. ✘ Cockroaches

3. ✘ Locusts

4. ✖ Drosophila

Question Number : 42 Question Id : 5942537964 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is NOT a vestigial organ?

Options :

1. ✓ Vermiform appendix in rabbit

2. ✖ Tail bone in human

3. ✖ Pelvic bones in whale

4. ✖ Hind limbs in python

Question Number : 43 Question Id : 5942537965 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

What does " q^2 " represent in Hardy – Weinberg equation?

Options :

1. ✖ Homozygous dominant genotype

2. ✖ Heterozygous genotype

3. ✘ Heterozygous and Homozygous genotype

4. ✔ Homozygous recessive genotype

Question Number : 44 Question Id : 5942537966 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Sewall Wright effect is,

Options :

1. ✘ Gene flow

2. ✘ Gene pool

3. ✔ Genetic drift

4. ✘ Genetic load

Question Number : 45 Question Id : 5942537967 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following process doesn't occur in liver?

Options :

1.

- ✘ Detoxification
- 2. ✔ Erythropoiesis
- 3. ✘ Deamination
- 4. ✘ Gluconeogenesis

Question Number : 46 Question Id : 5942537968 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the activity which is regulated by parasympathetic nervous system.

Options :

- 1. ✔ Decreased blood pressure
- 2. ✘ Inhibit salivation
- 3. ✘ Inhibit pancreatic activity
- 4. ✘ Relaxes bronchi

Question Number : 47 Question Id : 5942537969 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is **NOT** a light dependant reaction of photosynthesis?

Options :

1. ✘ Oxidation of H₂O
2. ✘ Formation of ATP and NADPH
3. ✘ Photolysis
4. ✔ Reduction of CO₂

Question Number : 48 Question Id : 5942537970 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the pair of fat soluble vitamins from the following.

Options :

1. ✘ Calciferol : Ascorbic acid
2. ✘ Niacin : Thiamin
3. ✔ Tocopherol : Phylloquinone
4. ✘ Retinol : Biotin

Question Number : 49 Question Id : 5942537971 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Primary CO₂ acceptor in photosynthesis is

Options :

1. ✘ NADP

2. ✔ RUBP

3. ✘ PGA

4. ✘ ATP

Question Number : 50 Question Id : 5942537972 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Read the following statements and identify the correct option.

A) Photorespiration occurs in all green plants

B) It involves loss of fixed carbon as CO₂ in plants in the presence of light.

Options :

1. ✘ A is correct; B is incorrect

2. ✔ A is incorrect; B is correct

3.

✘ Both 'A' and 'B' are correct

4. ✘ Both 'A' and 'B' are incorrect

Question Number : 51 Question Id : 5942537973 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the five carbon (5C) compound of TCA cycle.

Options :

1. ✘ Oxaloacetic acid

2. ✘ Oxalosuccinic acid

3. ✘ Succinic acid

4. ✔ α -ketoglutaric acid

Question Number : 52 Question Id : 5942537974 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following phytohormone is called as 'stress hormone'?

Options :

1. ✘ Auxins

2. ✘ Gibberellins

3. ✔ Abscisic acid

4. ✘ Ethylene

Question Number : 53 Question Id : 5942537975 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

In 1956 who confirmed that RNA is the genetic material in TMV?

Options :

1. ✔ Hans Fraenckel - Conrat

2. ✘ W.M. Stanley

3. ✘ Martinus Beijerinck

4. ✘ Iwanowski

Question Number : 54 Question Id : 5942537976 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the pair of dominant traits in pea plant.

Options :

1. ✘ Yellow seed : Terminal flower
2. ✘ Terminal flower : Yellow pod
3. ✘ Axial flower : Green seed
4. ✔ Axial flower : Green pod

Question Number : 55 Question Id : 5942537977 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following hybridization is called as test cross?

Options :

1. ✘ Between Homozygous dominant and recessive plants
2. ✔ Between recessive parent and F₁ hybrid
3. ✘ Between two F₁ hybrids
4. ✘ Between Homozygous dominant parent and F₁ hybrid

Question Number : 56 Question Id : 5942537978 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the correct statement regarding Honey bees.

Options :

1. ✓ Female off spring receives 16 chromosomes from mother and 16 from father.
2. ✗ Male off spring receives 16 chromosomes from mother and 16 from father.
3. ✗ Female off spring receives 32 chromosomes from mother and 16 from father.
4. ✗ Male off spring receives 32 chromosomes only from mother.

Question Number : 57 Question Id : 5942537979 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify chemoautotrophic bacterium from the following:

Options :

1. ✗ *Chromatium*
2. ✗ *Chlorobium*
3. ✓ *Beggiatoa*
4. ✗ *Rhodopseudomonas*

Question Number : 58 Question Id : 5942537980 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The function of the lacteal in the small intestine is

Options :

1. ✘ Absorption of aminoacids
2. ✘ Absorption of sugars
3. ✘ Absorption of minerals only
4. ✔ Absorption of fats, lipids

Question Number : 59 Question Id : 5942537981 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which part of the brain contains centre for respiratory activities and coordinates reflexes like sneezing?

Options :

1. ✘ Cerebrum
2. ✘ Diencephalon

3. ✘ Cerebellum

4. ✔ Medulla oblongata

Question Number : 60 Question Id : 5942537982 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the correct sequence of ear ossicles of mammals from outside to inside.

Options :

1. ✘ Stapes, Incus and Malleus

2. ✔ Malleus, Incus and Stapes

3. ✘ Malleus, Stapes and Incus

4. ✘ Stapes, Malleus and Incus

Question Number : 61 Question Id : 5942537983 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the pair of hormones secreted by hypothalamus.

Options :

1. ✘ Prolactin : Oxytocin

2. ✓ Oxytocin : Vasopressin

3. ✗ Vasopressin : Luteinizing Hormone

4. ✗ Luteinizing Hormone : Prolactin

Question Number : 62 Question Id : 5942537984 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the correct pairs.

- A) Kupffer cells : Liver
- B) Histiocytes : Lungs
- C) Mast cells : Kidney
- D) Microglial cells : Brain

Options :

1. ✗ A & B only

2. ✗ B & C only

3. ✗ C & D only

4. ✓ A & D only

Question Number : 63 Question Id : 5942537985 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Genetic material of HIV is

Options :

1. ✘ ss DNA

2. ✘ ds DNA

3. ✔ ss RNA

4. ✘ ds RNA

Question Number : 64 Question Id : 5942537986 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

A typical female gametophyte of angiosperms consists of

Options :

1. ✘ 1 cell, 8 nuclei

2. ✘ 1 cell, 7 nuclei

3. ✔ 7 cells, 8 nuclei

4. ✘ 8 cells, 7 nuclei

Question Number : 65 Question Id : 5942537987 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the second trophic level organism of a food chain from the following:

Options :

1. ✘ Grass
2. ✘ Frog
3. ✘ Eagle
4. ✔ Grasshopper

Question Number : 66 Question Id : 5942537988 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the inverted pyramid from the following

Options :

1. ✔ Pyramid of Biomass in a pond ecosystem
2. ✘ Pyramid of Numbers in a grassland ecosystem
3. ✘ Pyramid of Biomass in a forest ecosystem

4. ✘ Pyramid of Biomass in a grassland ecosystem

Question Number : 67 Question Id : 5942537989 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the major Greenhouse gases from the following:

Options :

1. ✘ SO₂, NO₂

2. ✔ CO₂, CH₄

3. ✘ O₃, SO₂

4. ✘ NO₂, O₃

Question Number : 68 Question Id : 5942537990 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following micronutrient is a component of nitrogenase and nitrate reductase enzymes?

Options :

1. ✘ Mn

2. ✔ Mo

3. ✘ Mg

4. ✘ Zn

Question Number : 69 Question Id : 5942537991 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the poikilothermic organism from the following

Options :

1. ✔ Crocodile

2. ✘ Kiwi

3. ✘ Dolphin

4. ✘ Penguin

Question Number : 70 Question Id : 5942537992 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Match the following

- | | |
|----------|--------------------------------|
| A) Flax | i) <i>Linum usitatissimum</i> |
| B) Jute | ii) <i>Boehmeria nivea</i> |
| C) Hemp | iii) <i>Cannabis sativa</i> |
| D) Ramie | iv) <i>Sesbania sesban</i> |
| | v) <i>Corchorus capsularis</i> |

Options :

1. ✘ A – ii; B – iii; C – iv; D – i

2. ✘ A – iv; B – iii; C – v; D – ii

3. ✘ A – v; B – i; C – iii; D – ii

4. ✔ A – i; B – v; C – iii; D – ii

Question Number : 71 Question Id : 5942537993 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify non-protozoan disease from the following:

Options :

1. ✘ Trypanosomiasis

2. ✘ Leishmaniasis

3. ✔ Elephantiasis

4. ✖ Malaria

Question Number : 72 Question Id : 5942537994 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the correct pair.

- A) Algal fungi : Deuteromycetes
- B) Club fungi : Basidiomycetes
- C) Sac fungi : Ascomycetes
- D) Slime moulds : Phycomycetes

Options :

1. ✖ A & B only

2. ✓ B & C only

3. ✖ C & D only

4. ✖ A & D only

Question Number : 73 Question Id : 5942537995 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the phylum of sea anemones.

Options :

1.

✓ Coelenterata

2. ✘ Porifera

3. ✘ Mollusca

4. ✘ Echinodermata

Question Number : 74 Question Id : 5942537996 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following was the reason for Bhopal gas tragedy?

Options :

1. ✘ Peroxy Acetyl Nitrate

2. ✘ Chloro Flouro Carbons

3. ✓ Methyl Isocyanate

4. ✘ Liquid Petroleum Gas

Question Number : 75 Question Id : 5942537997 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the correct pairs

- A) Kaziranga National Park : Assam
- B) Jim Corbett National Park : Karnataka
- C) Periyar National Park : Kerala
- D) Bandipur National Park : West Bengal

Options :

- 1. ✘ A & B only
- 2. ✘ B & C only
- 3. ✔ A & C only
- 4. ✘ C & D only

Question Number : 76 Question Id : 5942537998 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the **INCORRECT** pair based on the morphology of modified structure.

Options :

- 1. ✘ Turmeric : Ginger
- 2. ✘ Carrot : Raddish
- 3. ✘ *Colacasia* : *Amorphophallus*

4. ✓ Potato : Sweet Potato

Question Number : 77 Question Id : 5942537999 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the plant with polyadelphous stamens.

Options :

1. ✗ *Salvia*

2. ✓ *Citrus*

3. ✗ *Hibiscus*

4. ✗ *Withania*

Question Number : 78 Question Id : 5942538000 Question Type : MCQ Option Shuffling : Yes Is
Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum
Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the dimly lit zone (twilight zone) of an ocean.

Options :

1. ✗ Abyssal zone

2. ✗ Euphotic zone

3. ✓ Bathyal zone

4. ✘ Profundal zone

Question Number : 79 Question Id : 5942538001 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following pigment is soluble in water?

Options :

1. ✓ Anthocyanin

2. ✘ Chlorophyll

3. ✘ Carotene

4. ✘ Xanthophyll

Question Number : 80 Question Id : 5942538002 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following nucleic acid has anticodons?

Options :

1. ✘ m - RNA

2. ✘ B - DNA

3. ✘ Z - DNA

4. ✔ t - RNA

Question Number : 81 Question Id : 5942538003 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following tissues form bulk of the plant body?

Options :

1. ✘ Meristematic tissues

2. ✘ Dermal tissues

3. ✔ Ground tissues

4. ✘ Vascular tissues

Question Number : 82 Question Id : 5942538004 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify non-renewable resource from the following:

Options :

1. ✘ Biomass
2. ✔ Natural gas
3. ✘ Forest
4. ✘ Water

Question Number : 83 Question Id : 5942538005 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Read the sentences and identify the correct option.

- A) *Trichoderma* improves plant growth.
- B) It is highly effective at colonizing many kinds of roots and inhibiting fungi that cause diseases.

Options :

1. ✘ A only
2. ✘ B only
3. ✘ Both 'A' and 'B' are incorrect
4. ✔ Both 'A' and 'B' are correct

Question Number : 84 Question Id : 5942538006 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the **INCORRECT** pair

Options :

1. ✓ Tetanus : *Mycobacterium*

2. ✗ Syphilis : *Treponema*

3. ✗ Diphtheria : *Corynebacterium*

4. ✗ Pneumonia : *Diplococcus*

Question Number : 85 Question Id : 5942538007 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the plant with incomplete flower

Options :

1. ✓ Cucumber

2. ✗ Onion

3. ✗ Pea

4. ✘ Mustard

Question Number : 86 Question Id : 5942538008 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the haploid structure of angiosperms from the following

Options :

1. ✘ Embryo

2. ✔ Embryo sac

3. ✘ Zygote

4. ✘ Ovule

Question Number : 87 Question Id : 5942538009 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the pair of micronutrients

Options :

1. ✘ K, S

2. ✘ Mg, Ca

3. ✓ Mn, Cu

4. ✗ P, K

Question Number : 88 Question Id : 5942538010 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the secondary metabolite produced by *Cassia*

Options :

1. ✓ Tannins

2. ✗ Resins

3. ✗ Gums

4. ✗ Latex

Question Number : 89 Question Id : 5942538011 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following is a 'Rabi' crop?

Options :

1. ✗ Rice

2. ✓ Wheat

3. ✗ Cotton

4. ✗ Sugarcane

Question Number : 90 Question Id : 5942538012 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which one of the following is **NOT** secreted by gastric glands?

Options :

1. ✗ Pepsinogen

2. ✓ Trypsinogen

3. ✗ Prorenin

4. ✗ Mucus

Question Number : 91 Question Id : 5942538013 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following sense organ is affected by 'Glaucoma'?

Options :

1. ✘ Ear

2. ✔ Eye

3. ✘ Skin

4. ✘ Tongue

Question Number : 92 Question Id : 5942538014 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following genetic law has been proved to be true in all cases?

Options :

1. ✘ Law of dominance

2. ✔ Law of segregation

3. ✘ Law of independent assortment

4. ✘ Law of codominance

Question Number : 93 Question Id : 5942538015 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

If 40 pea plants are produced by selfing heterozygous tall plants, then how many of them would be homozygous tall?

Options :

1. ✓ 10

2. ✗ 20

3. ✗ 30

4. ✗ 40

Question Number : 94 Question Id : 5942538016 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Semiconservative replication of DNA was first demonstrated by

Options :

1. ✗ Lederberg & Tatum

2. ✗ Frederick Meyer, Franklin

3. ✗ Marys Wilkins and Rosalind Franklin

4. ✓ Mathew Meselson & Franklin Stahl

Question Number : 95 Question Id : 5942538017 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

The central dogma of molecular biology states that the genetic information flows from

Options :

1. ✘ Amino acids → Proteins → RNA

2. ✘ Proteins → RNA → DNA

3. ✔ DNA → RNA → Proteins

4. ✘ RNA → DNA → Amino acids

Question Number : 96 Question Id : 5942538018 Question Type : MCQ Option Shuffling : Yes Is

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

Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Which of the following amino acid substitution is responsible for causing sickle cell anaemia?

Options :

1. ✔ Valine for Glutamic acid

2. ✘ Glutamic acid for valine

3. ✘ Methionine for leucine

4. ✘ Leucine for histidine

Question Number : 97 Question Id : 5942538019 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Identify the enzymes which help to cut one strand of DNA at a specific point from the following

Options :

1. ✘ Permeases
2. ✘ Lyases
3. ✔ Endonucleases
4. ✘ Ligases

Question Number : 98 Question Id : 5942538020 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

'Lac Operon' concept was proposed by

Options :

1. ✘ Jacob & Wilkins
2. ✘ Monad & Franklin
3. ✘ Franklin & Wilkins

4. ✓ Jacob & Monad

Question Number : 99 Question Id : 5942538021 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Match the following

Plant	Edible part
A) <i>Pyrus malus</i>	i) Fleshy pedicel
B) <i>Artocarpus integrifolia</i>	ii) Succulent bracts
C) <i>Ficus carica</i>	iii) Fleshy thalamus
D) <i>Anacardium occidentale</i>	iv) Fleshy peduncle
	v) Succulent Perianth lobes

Options :

1. ✗ A – v; B – ii; C – i; D – iv

2. ✓ A – iii; B – v; C – iv; D – i

3. ✗ A – v; B – ii; C – iv; D – iii

4. ✗ A – iii; B – v; C – ii; D – i

Question Number : 100 Question Id : 5942538022 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Calculator : None Response Time : N.A Think Time : N.A Minimum Instruction Time : 0

Correct Marks : 1 Wrong Marks : 0.25

Who coined the phrase “*Ontogeny repeats phylogeny?*”

Options :

1. ✘ Von Helmont

2. ✔ Ernst Haeckel

3. ✘ A.I. Oparin

4. ✘ George Cuvier