

## Biology - Model Test Serial 1

59

59

59. Compounding and dispensing of drugs is

- (A) Pharmacy
- (B) Pharmacology
- (C) Nursing
- (D) Medicine

## **Biology - Model Test Serial 1**

*Answer*

59

A

## Biology - Model Test Serial 1

779

779

779. Synapsids were

- (A) Mammal-like reptiles
- (B) Bird-like reptiles
- (C) Early primates
- (D) Extinct amphibians

## **Biology - Model Test Serial 1**

*Answer*

779

A

## Biology - Model Test Serial 1

823

823

823. Origin of first mammals occurred

- (A) 500 million yrs
- (B) 220 million yrs
- (C) 1600 million yrs
- (D) Over 1600 million yrs ago.

## **Biology - Model Test Serial 1**

*Answer*

823

**B**

## Biology - Model Test Serial 1

905

905

905. "Age of Reptiles" is

- (A) Paleozoic
- (B) Mesozoic
- (C) Coenozoic
- (D) Proterozoic.

## **Biology - Model Test Serial 1**

*Answer*

905

**B**



## Biology - Model Test Serial 1

918

918

918. Haeckel's theory of recapitulation means that

- (A) Life history of an organism reflects its evolutionary history
- (B) All organisms start as an egg
- (C) Progeny resembles with parents
- (D) Lost body parts are regenerated

## **Biology - Model Test Serial 1**

*Answer*

918

A

## Biology - Model Test Serial 1

930

930

930. The feature which enabled reptiles to dominate the land fauna for 100 million years, was

- (A) Large size
- (B) Heavy armour
- (C) Large teeth
- (D) Large eggs.

## **Biology - Model Test Serial 1**

*Answer*

930

**B**

## Biology - Model Test Serial 1

934

934

934. Prototherians have evolved from

- (A) Reptiles
- (B) Birds
- (C) Eutherians
- (D) Amphibians.

## **Biology - Model Test Serial 1**

*Answer*

934

A

## Biology - Model Test Serial 1

935

935

935. Which one is not a vestigial organ in man

- (A) Vermiform appendix
- (B) Plica semilunaris
- (C) Ear muscles
- (D) Epiglottis.

## **Biology - Model Test Serial 1**

*Answer*

935

D



## Biology - Model Test Serial 1

942

942

942. Which of the following would be easily fossilized

- (A) Heart
- (B) Tooth
- (C) Skin
- (D) Liver. .

## **Biology - Model Test Serial 1**

*Answer*

942

**B**

## Biology - Model Test Serial 1

947

947

947. Evolution is

- (A) Progressive development of a race
- (B) History and development of race along with variations
- (C) History of race
- (D) Development of race.

## **Biology - Model Test Serial 1**

*Answer*

947

**B**

## Biology - Model Test Serial 1

1479

1479

1479. Staphylococcus has

- (A) Cubical colony
- (B) Bunch-like irregular colony
- (C) Chain like colony
- (D) Plate like colony.

## **Biology - Model Test Serial 1**

*Answer*

1479

**B**

## Biology - Model Test Serial 1

2242

2242

2242. Penicillium is economically important because it-

- (A) Cause pathogenic diseases
- (B) Spoils food material
- (C) Used in preparation of alcohol
- (D) Provides antibiotic drugs.

## **Biology - Model Test Serial 1**

*Answer*

2242

D



## Biology - Model Test Serial 1

2494

2494

2494. Potato leaf roll disease is caused by-

- (A) Mycoplasma
- (B) Virus
- (C) Microspores
- (D) Bacterium

## **Biology - Model Test Serial 1**

*Answer*

2494

**B**

## Biology - Model Test Serial 1

2891

2891

2891. Moss peristome takes part in

- (A) Spore dispersal
- (B) Photosynthesis
- (C) Protection
- (D) Absorption.

## **Biology - Model Test Serial 1**

*Answer*

2891

A

## Biology - Model Test Serial 1

2980

2980

2980. Which one of the following can not fix nitrogen

- (A) Nostoc
- (B) Azotobacter
- (C) Spirogyra
- (D) Anabaen

## **Biology - Model Test Serial 1**

*Answer*

2980

C

## Biology - Model Test Serial 1

3332

3332

3332. Bees do not visit pure red flowers because red colour appears

- (A) Black
- (B) Changes nervous coordination
- (C) Invisible
- (D) Both A and B.

## **Biology - Model Test Serial 1**

*Answer*

3332

A



## Biology - Model Test Serial 1

3772

3772

3772. Shagreen is skin of

- (A) Cod fish
- (B) Sole fish
- (C) Shark
- (D) Whale.

## **Biology - Model Test Serial 1**

*Answer*

3772

C

## Biology - Model Test Serial 1

3871

3871

3871. Sea Hare is

- (A) Sepia
- (B) Teredo
- (C) Aplysia
- (D) Pila.

## **Biology - Model Test Serial 1**

*Answer*

3871

C

## Biology - Model Test Serial 1

4794

4794

4794. Elephantiasis/ Filariasis is a disease of

- (A) Temperate areas
- (B) Tropical areas
- (C) Subtropical areas
- (D) Hilly tracts.

## **Biology - Model Test Serial 1**

*Answer*

4794

**B**

## Biology - Model Test Serial 1

4949

4949

4949. Common larva of a sponge is

- (A) Tadpole
- (B) Planula
- (C) Placula
- (D) Parenchymula.

## **Biology - Model Test Serial 1**

*Answer*

4949

D



## Biology - Model Test Serial 1

5017

5017

5017. Skeleton of sponge is

- (A) Ectodermal
- (B) Endodermal
- (C) Exoskeleton
- (D) Endoskeleton.

## **Biology - Model Test Serial 1**

*Answer*

5017

D

## Biology - Model Test Serial 1

5818

5818

5818. Tentacles are absent in-

- (A) Beroe
- (B) Ctenoplana
- (C) Hormiphora
- (D) Obelia.

## **Biology - Model Test Serial 1**

*Answer*

5818

A

## Biology - Model Test Serial 1

6008

6008

6008. Scintillation counter is used for locating

- (A) Radioisotope
- (B) Heavy isotope
- (C) DNA
- (D) mRNA

## **Biology - Model Test Serial 1**

*Answer*

6008

a

## Biology - Model Test Serial 1

6321

6321

6321. Which one is without an external covering?

- (A) Lysosome
- (B) Golgi apparatus
- (C) Centrosome
- (D) Centriole.

## **Biology - Model Test Serial 1**

*Answer*

6321

C



## Biology - Model Test Serial 1

6628

6628

6628. The term ergastoplasm was given to basophilic membranous structures by

- (A) Palade
- (B) Garnier
- (C) Schimper
- (D) Flemming.

## **Biology - Model Test Serial 1**

*Answer*

6628

**B**

## Biology - Model Test Serial 1

7210

7210

7210. Which one is a fibrous protein?

- (A) Collagen
- (B) Globulin
- (C) Haemoglobin
- (D) Hordein.

## **Biology - Model Test Serial 1**

*Answer*

7210

A

## Biology - Model Test Serial 1

7255

7255

7255-- Nitrogen bases of RNA are

- (A) UGTC
- (B) AUTC
- (C) AGTC
- (D) AGUC

## **Biology - Model Test Serial 1**

*Answer*

7255

D

## Biology - Model Test Serial 1

7518

7518

7518. DNA occurs in

- (A) Nucleus and some organelles
- (B) Cell organelles
- (C) Cytoplasm
- (D) Nucleus only.

## **Biology - Model Test Serial 1**

*Answer*

7518

A



## Biology - Model Test Serial 1

7579

7579

7579. Restriction endonucleases were discovered by

- (A) Arber et al
- (B) Monod et al
- (C) Cech et al
- (D) Altman et at.

## **Biology - Model Test Serial 1**

*Answer*

7579

A

## Biology - Model Test Serial 1

7655

7655

7655--The stage in which chiasmata can be seen is

- (A) Leptotone
- (B) Zygotene
- (C) Pachytene
- (D)Diakinesis.

## **Biology - Model Test Serial 1**

*Answer*

7655

D

## Biology - Model Test Serial 1

7839

7839

7839. In prophase and metaphase a chromosome contains two

- (A) Chromatids
- (B) Chromomeres
- (C) Centromeres
- (D) Centrioles.

## **Biology - Model Test Serial 1**

*Answer*

7839

A

## Biology - Model Test Serial 1

8081

8081

8081. A dihybrid condition is

- (A) ttRr
- (B) Tt rr
- (C) tt rr
- (D) Tt Rr.

## **Biology - Model Test Serial 1**

*Answer*

8081

D



## Biology - Model Test Serial 1

8109

8109

8109. Mendel's last law is

- (A) Segregation
- (B) Dominance
- (C) Independent assortment
- (D) Polygenic inheritance

## **Biology - Model Test Serial 1**

*Answer*

8109

C

## Biology - Model Test Serial 1

8313

8313

8313. Offspring are individuals developed as a result of

- (A) Vegetative multiplication
- (B) Asexual reproduction
- (C) Sexual reproduction
- (D) All the above.

## **Biology - Model Test Serial 1**

*Answer*

8313

C

## Biology - Model Test Serial 1

8368

8368

8368. XY chromosomes are

- (A) Homomorphic
- (B) Heteromorphic
- (C) Heterologous
- (D) Both (B) and (c)

## **Biology - Model Test Serial 1**

*Answer*

8368

b

## Biology - Model Test Serial 1

8520

8520

8520. A chromosome with sub-terminal centromere is

- (A) Acentric
- (B) Acrocentric
- (C) Metacentric
- (D) Telocentri

## **Biology - Model Test Serial 1**

*Answer*

8520

b



## Biology - Model Test Serial 1

8638

8638

8638. Extranuclear genes are found in

- (A) Plastids, not inherited
- (B) Plasmid, not inherited
- (C) Mitochondria, inherited from male
- (D) Mitochondria, inherited from female.

## **Biology - Model Test Serial 1**

*Answer*

8638

d

## Biology - Model Test Serial 1

8720

8720

8720. Deficiency of VIII factor leads to

- (A) Haemophilia A
- (B) Haemophilia B
- (C) Haemophilia C
- (D) Haemophilia D

## **Biology - Model Test Serial 1**

*Answer*

8720

a

## Biology - Model Test Serial 1

8726

8726

8726. Male is haploid in

- (A) Lizard
- (B) Cockroach
- (C) Honey Bee
- (D) Bats.

## **Biology - Model Test Serial 1**

*Answer*

8726

C

## Biology - Model Test Serial 1

8762

8762

8762. An example of disease of molecular mutation is

- (A) Sickle cell anaemia
- (B) Erythroblastosis foetalis
- (C) Haemophilia
- (D) Anaemia

## **Biology - Model Test Serial 1**

*Answer*

8762

a



## Biology - Model Test Serial 1

8793

8793

8793. Ultimate source of organic variations is

- (A) Mutations
- (B) Natural selection
- (C) Isolation
- (D) Hormonal activity

## **Biology - Model Test Serial 1**

*Answer*

8793

a

## Biology - Model Test Serial 1

8879

8879

8879. Hexaploid or modern wheat developed through

- (A) Hybridomas
- (B) Chromosome doubling
- (C) Hybridisation
- (D) Hybridisation and chromosome doubling.

## **Biology - Model Test Serial 1**

*Answer*

8879

d

## Biology - Model Test Serial 1

9058

9058

9058. The genes for globin synthesis are located on

- (A) Autosome 11
- (B) Autosome 16
- (C) Both A and B
- (D) Chromosome 23.

## **Biology - Model Test Serial 1**

*Answer*

9058

C

## Biology - Model Test Serial 1

9070

9070

9070. Gene shears, a special piece of RNA that can snip and destroy the messenger RNA are

- (A) Pieces of mRNA
- (B) Endonucleases
- (C) Exonucleases
- (D) Mini lasers.

## **Biology - Model Test Serial 1**

*Answer*

9070

a



## Biology - Model Test Serial 1

9251

9251

9251. The strain of Neurospora, which grows on minimal medium is called

- (A) Autotroph
- (B) Prototroph
- (C) Auxotroph
- (D) Heterotroph.

## **Biology - Model Test Serial 1**

*Answer*

9251

b

## Biology - Model Test Serial 1

9257

9257

9257. The one gene-one enzyme hypothesis is was proposed by George Beadle and Edward Tatum (1941). They produced mutant strain of Neurospora by

- (A) X-rays
- (B) UV. rays
- (C) Beta rays
- (D) Gamma rays

## **Biology - Model Test Serial 1**

*Answer*

9257

a

## Biology - Model Test Serial 1

9266

9266

9266. Initiation codons for protein synthesis are

- (A) GUG and AUG.
- (B) AAU and UAA
- (C) AUG and GUA
- (D) UUU and GGG

## **Biology - Model Test Serial 1**

*Answer*

9266

A

## Biology - Model Test Serial 1

9327

9327

9327. Barbara McClintock discovered the first Transposable elements (genes) TEs in ..... at the Cold Spring Harbor Laboratory in New York (1944–1945).

- (A) Pea
- (B) Drosophila
- (C) Maize
- (D) Arabidopsus.

## **Biology - Model Test Serial 1**

*Answer*

9327

C



## Biology - Model Test Serial 1

9330

9330

9330. Chargaff's rule as propounded by Austrian chemist Erwin Chargaff is true with

- (A)  $A + T = 1 = C + G$
- (B)  $A = C$
- (C)  $G = T$
- (D)  $A + G = T + C$

## **Biology - Model Test Serial 1**

*Answer*

9330

D

## Biology - Model Test Serial 1

9344

9344

9344. An arm of tNA with 6-bp stem whose sequence of 3 bases binds to mRNA codon is

- (A) Triplet
- (B) Nonsense codon
- (C) Anticodon
- (D) Termination codon.

## **Biology - Model Test Serial 1**

*Answer*

9344

C

## Biology - Model Test Serial 1

9352

9352

9352. Semi conservative replication of DNA was demonstrated by

- (A) Khorana and Jolly
- (B) Watson and Crick
- (C) Taylor and others
- (D) Meselson and Stahl.

## **Biology - Model Test Serial 1**

*Answer*

9352

d

## Biology - Model Test Serial 1

9378

9378

9378. A significant portion of DNA (more than 98% for humans) is non-coding, meaning that these sections do not serve as patterns for protein sequences. The two strands of DNA run in opposite directions to each other and are therefore anti-parallel. Nucleotide pairs present in one turn of DNA helix

- (A) 12
- (B) 8
- (C) 10
- (D) 9

## **Biology - Model Test Serial 1**

*Answer*

9378

C



## Biology - Model Test Serial 1

9417

9417

9417. Cancer is a genetic disorder in which the normal control of cell growth is lost. At the molecular level, cancer is caused by mutation(s) in DNA, which result in aberrant cell proliferation. Genes connected with cancer are

- (A) Cancer genes
- (B) Carcinoma genes
- (C) Oncogenes
- (D) Sex-linked genes.

## **Biology - Model Test Serial 1**

*Answer*

9417

C

## Biology - Model Test Serial 1

9436

9436

9436. Protein cover of virus is

- (A) Capsid
- (B) Virion
- (C) Viroid
- (D) Mucopeptide.

## **Biology - Model Test Serial 1**

*Answer*

9436

a

## Biology - Model Test Serial 1

9494

9494

9494. Seeds are dispersed by wind in

- (A) Petunia
- (B) Calotropis
- (C) Oryza
- (D) Mango

## **Biology - Model Test Serial 1**

*Answer*

9494

**B**

## Biology - Model Test Serial 1

9506

9506

9506. Aristida genus is among colloquially called three-awns wiregrasses, speargrasses and needlegrasses.

Spear Grass (Aristida) is dispersed by

- (A) Air
- (B) Animals
- (C) Water
- (D) Explosive mechanism.

## **Biology - Model Test Serial 1**

*Answer*

9506

**B**



## Biology - Model Test Serial 1

9511

9511

9511. For easy dispersal by wind seeds have to be light so that their buoyancy may enable them to float on air over long distances. A tuft of hair present at one or both ends of the seed for the purpose of dispersal is called

- (A) Propellar
- (B) Wing
- (C) Pappus
- (D) Coma

## **Biology - Model Test Serial 1**

*Answer*

9511

D

## Biology - Model Test Serial 1

9513

9513

9513. Pappus for parachute mechanism of anemochory develops from

- (A) Calyx
- (B) Fruit wall
- (C) Seed wall
- (D) Style

## **Biology - Model Test Serial 1**

*Answer*

9513

A

## Biology - Model Test Serial 1

9518

9518

9518. Tegmen develops from

- (A) Funiculus
- (B) Chalaza
- (C) Inner integument
- (D) Outer integument.

## **Biology - Model Test Serial 1**

*Answer*

9518

C

## Biology - Model Test Serial 1

9519

9519

9519. The blackish brown covering which surrounds the endosperm containing kernel of Coconut is

- (A) Seed coat
- (B) Epicarp
- (C) Mesocarp
- (D) Endocarp.

## **Biology - Model Test Serial 1**

*Answer*

9519

A