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Started on Saturday, 15 January 2022, 10:00 AM

State Finished

Completed on Saturday, 15 January 2022, 11:00 AM

Time taken 59 mins 54 secs

Grade 23.00 out of 25.00 (92%)

Question 1

Complete

Mark 1.00 out of
1.00

MT What is true about mitochondria?

Select one:

- ☐ a. Involved in cellular respiration
- ☒ b. All are correct
- ☐ c. Mostly rod-shaped around 0.2micron in size
- ☐ d. It is termed power house of the cell

The correct answer is: All are correct

Question 2

Complete

Mark 1.00 out of
1.00

MT Which of these is a communicable disease?

Select one:

- ☐ a. Hypertension
- ☐ b. Cancer
- ☐ c. Diabetes
- ☒ d. Tuberculosis

The correct answer is: Tuberculosis

Question 3

Complete

Mark 1.00 out of
1.00

MT Capital letters AB in Blood group type AB represents:

Select one:

- ☒ a. Codominance
- ☐ b. Polygenic Inheritance
- ☐ c. Homozygous recessive
- ☐ d. Homozygous dominant

The correct answer is: Codominance

Question 4

Complete

Mark 1.00 out of
1.00

MT Loss of communication in cell signaling pathways can lead to:

Select one:

- ☒ a. All
- ☐ b. Brain stroke- dying of healthy brain cells
- ☐ c. Multiple Sclerosis- Loss of Myelin sheath on nerve cells
- ☐ d. Diabetes Type I- insulin signal not produced

The correct answer is: All

Question 5

Complete

Mark 1.00 out of
1.00

MT As per the evolution of life forms, the bridge between living and non-living is:

Select one:

- ☐ a. Bacteriophages
- ☐ b. Bacteria
- ☐ c. Prokaryotes
- ☒ d. Viruses

The correct answer is: Viruses

Question 6

Complete

Mark 1.00 out of
1.00

MT Which one of the following is incorrect?

Select one:

- ☐ a. Plantae/ Animalia- Eukaryotic; Multicellular
- ☒ b. Eubacteria- Eukaryotic; Unicellular
- ☐ c. Protista- Eukaryotic; Unicellular/ Multicellular
- ☐ d. Fungi- Eukaryotic; Unicellular/ Multicellular

The correct answer is: Eubacteria- Eukaryotic; Unicellular

Question 7

Complete

Mark 1.00 out of
1.00

MT DNA strands are:

Select one:

- ☐ a. All
- ☐ b. Parallel
- ☐ c. Partly parallel partly anti-parallel
- ☒ d. Anti-parallel

The correct answer is: Anti-parallel

Question 8

Complete

Mark 1.00 out of
1.00

MT Organic compounds having both acidic and basic properties is called-

Select one:

- ☐ a. Autophagic
- ☐ b. Levorotatory
- ☐ c. Dextrorotatory
- ☒ d. Amphoteric

The correct answer is: Amphoteric

Question 9

Complete

Mark 0.00 out of
1.00

MT A test-cross:

Select one:

- ☐ a. Gives 100% dominant
- ☐ b. Uses homozygous dominant in the cross
- ☐ c. Gives 100% Dominant or Dominant: Recessive (1:1)
- ☒ d. Gives Dominant: Recessive (1:1)

The correct answer is: Gives 100% Dominant or Dominant: Recessive (1:1)

Question 10

Complete

Mark 1.00 out of
1.00

MT Select the set that includes only bacterial disease:

Select one:

- ☐ a. Polio, Malaria, Tetanus
- ☒ b. Diphtheria, Leprosy, Plague
- ☐ c. Leprosy, Malaria, Mumps
- ☐ d. Diphtheria, Malaria, Measles

The correct answer is: Diphtheria, Leprosy, Plague

Question 11

Complete

Mark 3.00 out of
3.00

Which of these are Lymphocytes-

Select one or more:

- ☐ A. Macrophages
- ☒ B. B-cells
- ☒ C. NK-cells
- ☒ D. T-cells

The correct answers are: B-cells, NK-cells, T-cells

Question 12

Complete

Mark 1.00 out of
1.00

MT The common feature between nucleus, chloroplast and mitochondria is:

Select one:

- ☒ a. Nucleic acids
- ☐ b. Cristae
- ☐ c. Lamellae
- ☐ d. Cytoplasm

The correct answer is: Nucleic acids

Question 13

Complete

Mark 1.00 out of
1.00

MT The process of information in mRNA is translated into a particular amino acid sequence with the help of ribosomes is called:

Select one:

- ☐ a. Inversion
- ☐ b. Transformation
- ☐ c. Transduction
- ☒ d. Translation

The correct answer is: Translation

Question 14

Complete

Mark 1.00 out of
1.00

MT Which of the following are examples of cell-cell junctions:

Select one:

- ☐ a. Plasmodesmata
- ☒ b. Plasmodesmata and gap junction
- ☐ c. Cell wall
- ☐ d. Plasmalemma

The correct answer is: Plasmodesmata and gap junction

Question 15

Complete

Mark 1.00 out of
1.00

MT Please choose the correct statement about plant metabolites:

Select one:

- ☐ a. Primary metabolites are not involved in defense reactions
- ☒ b. All
- ☐ c. Secondary metabolites are produced in small amounts
- ☐ d. Secondary metabolites are produced during non-growth phase of plants

The correct answer is: All

Question 16

Complete

Mark 1.00 out of
1.00

MT Plastids are not present in:

Select one:

- ☐ a. Bacteria
- ☐ b. Bacteriophage
- ☐ c. Virus
- ☒ d. All

The correct answer is: All

Question 17

Complete

Mark 1.00 out of
1.00

MT One of the scientists discovering codons (amino acid codes):

Select one:

- ☐ a. F. Griffith
- ☒ b. H. Khorana
- ☐ c. Van Leeuwenhoek
- ☐ d. L. Pasteur

The correct answer is: H. Khorana

Question 18

Complete

Mark 1.00 out of

1.00

MT Gram negative bacteria:

Select one:

- ☐ a. Stain with Crystal Violet
- ☐ b. Stain purple in color
- ☐ c. Do not have Lipopolysaccharide in membrane
- ☒ d. Stain with Safranin

The correct answer is: Stain with Safranin

Question 19

Complete

Mark 1.00 out of

1.00

MT Allergic reactions are related with-

Select one:

- ☒ a. IgE
- ☐ b. IgM
- ☐ c. IgD
- ☐ d. IgA

The correct answer is: IgE

Question 20

Complete

Mark 0.00 out of

1.00

MT Certain genes for which there are more than 2 alleles (for example skin colour) are referred to as:

Select one:

- ☒ a. Co-dominance
- ☐ b. Incomplete dominance
- ☐ c. Recessive
- ☐ d. Polygenic inheritance

The correct answer is: Polygenic inheritance

Question 21

Complete

Mark 1.00 out of
1.00

MT Select the correctly matched pair:

Select one:

- ☒ a. All
- ☐ b. Maltose-Disaccharides
- ☐ c. Cellulose- Structural polysaccharide
- ☐ d. Fructose- Hexose sugar

The correct answer is: All

Question 22

Complete

Mark 1.00 out of
1.00

MT The regions of Antibody that makes it distinct from all other kinds of antibodies-

Select one:

- ☐ a. Mutated region
- ☐ b. Node of bifurcated region
- ☐ c. Constant region
- ☒ d. Variable region

The correct answer is: Variable region

Question 23

Complete

Mark 1.00 out of
1.00

MT Name the dreaded viral disease that has been successfully eradicated globally:

Select one:

- ☒ a. Small Pox
- ☐ b. Chicken Pox
- ☐ c. Polio
- ☐ d. Measles

The correct answer is: Small Pox