

S-46-A

MIDTERM EXAMINATIONS (2018 - 19)
GENERAL SCIENCE - PAPER - II
BIOLOGICAL SCIENCE

(English Medium)

PART - A & B

Class : IX

(Max. Marks : 40)

Time : 2.45 Hrs.

Instructions :

1. 15 Minutes are allotted for reading the question paper (Part A & B) in addition to 2.30 hours for writing the answers.
2. Part - A answers should be written in a separate answer book.
3. There are three Sections in Part - A.
4. Answer all questions.
5. Every answer should be written neatly and legibly.
6. There is internal choice in Section - III.

Marks : 30

PART-A

Time : 2 Hrs.

SECTION - I

Note : 1. Answer all questions.

2. Each question carries 1 Mark.

4 × 1 = 4

1. What is the specific function of the cardiac muscle ?
2. Expand LUCA.
3. If the dried vegetables are kept in water, they become fresh. What is the reason ?
4. Jaya's mother is preparing dosa in the kitchen she recognised the smell of dosa while she was planing in the verandra what process is involved in this?

P.T.O

SECTION - II

Note : 1. Answer all questions.

2. Each question carries 2 Marks.

5 × 2 = 10

5. What would happen to the cell. If nucleus is removed ? Give reasons to support your answer.
6. Lysosomes are known as suicidal bags of the cell why ?
7. Kumar felt weak his father took him to the Hospital. The doctor advised blood test the report says that he does not have the required levels of haemoglobin. What are the ill effects ?
8. What is the need for classification ? What questions will you ask ?
9. When you are observing the nucleus of cheek cell in laboratory. What precautions do you take ?

SECTION - III

Note : 1. Answer all questions.

2. Answer any one from internal choice of each question.

3. Each question carries 4 Marks.

4 × 4 = 16

10. Describe the neuron ?

(OR)

Difference in between the following A) Meristematic tissue and ground tissue.

11. Explain the following to conduct osmosis experiment in your school lab.
a) apparatus b) Precautions c) Procedure d) results

P.T.O

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(OR)

Write about white blood cells.

12. Mitochondria is a one cell organelle. Draw its picture and label the parts and why it is called power house of the cell.

(OR)

Draw the typical Animal cell and lable it's parts ?

13. What do you mean by permeability of membrane ? Explain with suitable example.

(OR)

Variation in organisms lead to Diversity in Living organisms ? State reasons.



Regd. No.

S-46-B

Marks :

MIDTERM EXAMINATIONS (2018 - 19)

GENERAL SCIENCE - PAPER - II

BIOLOGICAL SCIENCE

(English Medium)

PART - B

Class : IX]

(Marks : 10)

Time : 30 min.

Name of the Student : **Roll No. :**

Note :1. Answer all questions.

2. Each question carries $\frac{1}{2}$ mark.

$20 \times \frac{1}{2} = 10M$

1. Famous scientist, who wrote the book 'origin' of sepecies is []
A) Ernest Hackel B) Carolus Linnacus
C) August Weismen D) Charles Darwin
2. The stain used to observe mitochondria is []
A) Saffrain B) Janusgreen-B
C) Janusgreen-A D) Crystal violet
3. We feel more thirsty if we drink cooldrink in summer, because []
A) The concentration of cytoplasm is more than cool drink
B) The concentration of cytoplasm is less then cool drink.
C) The concentration of both are equal
D) None of these
4. The number of mitochondria present in each cell []
A) 100-200 B) 150-300 C) 100-150 D) 100-300
5. Who gave the term parenchyma for the pithya part []
A) Joseph Pristly B) Laviosier
C) Nehemiah Grew D) Robert hook
6. Tissue that bring about overall growth and repair in plants are []
A) Meristematic tissue B) Dermal tissue
C) Ground tissue D) Vascular tissue

P.T.O

7. Which helps in Blood clotting []
A) RBC B) WBC C) Platelets
8. Some of part of the axon covered with a layer. It is called []
A) Myeline sheath B) Nerve terminals
C) Dendrite D) Axon
9. The process in which water molecules leave cell []
A) Endosmosis B) Osmosis C) Exosmosis D) Premnability
10. Which cells are present in hydrophytes []
A) Acrenchyma B) Strong tissue
C) Chlorenchyma D) Collenchyma
11. Identify the correct pair []
A) Bone-Ostococyte B) Tendon-Collagen
C) Cartilage - Porocyte D) Muscl-Mesocyte
12. Membrane of Axon : Myelin Sheath : Nodes on Axon : ? []
A) Dendrites B) Nodes of Ranvier
C) Nissels granules D) Synapse
13. The process requires for produce pure water from saline water ? []
A) Osmosis B) Reverse osmosis
C) desalination D) Endosmosis
14. Universal donars []
A) "A" blood group B) "B" blood group
C) "AB" blood groupers D) "O" blood groupers
15. The structure in cells which contains light absorbing pigment is []
A) Endoplasmic reticulum B) Nucleus
C) Chloroplast D) Chromoplast

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16. Cell theory was proposed by []
 A) Schleiden B) Schwan
 C) Schleiden and Schwan D) Rudolf Virchow
17. Nucleus was discovered by []
 A) Robert Hook B) Robert brown
 C) Rudolf Virchow D) Schwan
18. How many types meristematic tissues []
 A) 4 B) 1 C) 2 D) 3
19. Kingdom — dhyllum — P — order — Q — Species — Genus []
 P, Q respectively
 A) Animal kingdom, abiotic kingdom B) Divison, class
 C) Class, family D) Family, class
20. Identify the incorrect statement about blood. []
 A) Heparin is present in blood to prevent its clotting inside the blood veins.
 B) Approximately 5 liters of blood is present in an adult human being.
 C) 36 liters of blood is pumped by the heart in the life time.
 D) Nucleus is not present in platelets.