

Adabistan-e-Soophia

2nd Term Examination 2020 – 21

Student's Name																	
Class	Pre – IX	Roll #								Paper	Biology						
QUESTION NUMBER		1	2	3	4	5	Total										
MAXIMUM MARKS		12	30	09	09	09	60										
MARKS OBTAINED																	
CHECKED BY:																	

1. Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink. Cutting or filling two or more times result is zero mark in that question. (15)

Sr #	Questions	(A)	(B)	(C)	(D)
i.	Members of which group among the following are all prokaryotes:	animals	protists	bacteria	plants
ii.	Who suggest the kingdom Protista?	Abu Usman	Jabir Bin Hayan	Ernest Hackel	Arhanious
iii.	How many million population today live on earth?	200	400	700	800
iv.	Blood is a type of tissue:	epithelial	connective	nervous	muscle
v.	The size of human red blood cells is:	$2\mu m$	$4\mu m$	$6\mu m$	$8\mu m$
vi.	First of all nucleus in plant cell was discovered by:	Robert Hooke	Robert Brown	Robert Boy	Schleiden
vii.	Cell wall of prokaryotes composed of a chemical:	plasmodesmata	peptidoglycan	chromatin	stroma
viii.	The first compound microscope was developed by:	Rudolf Virchow	Zacharias Janssen	Louis Pasteus	Robert Brown
ix.	Human body is made of about _____ types of cells.	200	300	400	500
x.	Which scientist gave the concept of Metabolism first?	Ibn-e-Nafees	Jabir	Newton	William
xi.	The molecule at which enzyme act is called:	active site	cofactor	prosthetic group	substrate
xii.	Metabolism is derived from Greek word whose meaning is:	division	change	deduction	matter

(Section – I)

Note: Don't use ink remover anywhere in the paper.

Write proper question numbers and part numbers as mentioned in question paper.

2. Attempt the following questions. (Any Fifteen) (15x2=30)

- i. Write down the simple classification of human.
- ii. What is the difference between magnification and resolution?
- iii. Write the principles of modern cell theory.
- iv. What is the use of enzymes in biological detergents?
- v. Define Tonicity, Hypertonic, Hypotonic and Isotonic solution.
- vi. What is the mode of nutrition of fungi?
- vii. What do you know about Indus dolphin?
- viii. Differentiate between transmission electron microscope and scanning electron microscope.
- ix. What do you know about the lysosomes?
- x. Define turgor pressure and plasmolysis.
- xi. Define activation energy and explain how enzymes lower the need of activation energy.
- xii. What is saturation?
- xiii. What is the difference between extinct and endangered species?
- xiv. What do you know about kingdom Monera?
- xv. Differentiate between RER and SER.
- xvi. Write the difference between active transport and passive transport.
- xvii. What is Exocytosis and Endocytosis?
- xviii. What do you know about smooth and cardiac muscles?

(Section – II)

Note: Solve the following questions. (Any Two)

(9x2=18)

- 5. (a)** Write a note on binomial nomenclature. **(06)**
- (b)** Why viruses are not kept in five kingdom system? **(03)**
- 6. (a)** Write a note Nucleus. **(05)**
- (b)** What do you know about compound tissues? **(04)**
- 7. (a)** Write a note on the characteristic of enzymes. **(05)**
- (b)** Write a note on the affect of temperature on the rate of enzyme actions. **(04)**