

Adabistan-e-Soophia

Test Session (2020 – 21)

Code: 1009

Test No.: 9

Paper: Biology

Name: _____

Class: IX Sec: _____

Syllabus: Full Book

Question Numbers	1	2	3	4	5	6	7	Total	Grade	%age
Maximum Marks	12	10	10	10	09	09	09	60		
Marks Obtained										

Remarks: _____

Sheet No.

Roll Number Sheet



Date:

D	D	M	M	Y	Y

Morning (M)
Evening (E)

ہدایات

● امیدوار کو صرف نیلے یا کالے پن / مارکر استعمال کرنے کی اجازت ہے۔
● اس بات کا خاص خیال رکھیں کہ دائرہ مکمل پُر ہو اور سیاہی دائرے سے باہر نہ نکلے۔

● مثال: (I) صحیح (II) غلط (III) غلط
● کاغذ کو موڑنا یا شیشیل کرنا منع ہے۔

● دائروں کے اوپر دی گئی مخصوص جگہ پر Roll No اور Paper Code لکھیے اور نیچے دیے گئے دائروں کو اس طرح پُر کریں کہ ہر خانے میں ایک ہندسہ آئے۔

● نوٹ:
ایک سے زیادہ دائروں کو پُر کرنے / کاٹ کر پُر کرنے کی صورت میں مذکورہ جواب / ردول نمبر / پیج کو غلط تصور ہوگا جس کی تمام ذمہ داری طالب علم پر ہوگی

Date	
Matric (M)	
Inter (I)	
Part 1 (1)	
Part 2 (2)	
Annual (A)	
Supply (S)	
Morning (M)	
Evening (E)	
Subject	

Roll No.									
0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9

Paper Code									
0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9

INSTRUCTIONS

Use BLUE/BLACK ball pen or marker ONLY.

Fill/ Shade the circle completely.

EXAMPLE (I) CORRECT ● (II) INCORRECT ⊕ (III) INCORRECT ●

Folding, Stapling, Cutting and putting unnecessary sign and identification on the sheet is strictly NOT allowed.

Please write the Roll No, Paper Code in the space allocated above the circles and carefully fill/ shade the circles.

DISCLAIMER: IN CASE OF INCOMPLETE/ CANCELLATION/ MULTIPLE FILLING OF CIRCLES, THE ANSWER SHALL BE DECLARED AS WRONG.

Name:

Father's Name:

Roll Number (in words)

Signature of Candidate:

Signature of Deputy Superintendent:



MCQs RESPONSE PART (TO BE FILLED BY THE STUDENT)

(امیدوار خود پُر کرے)

	A	B	C	D
1.	(A)	(B)	(C)	(D)
2.	(A)	(B)	(C)	(D)
3.	(A)	(B)	(C)	(D)
4.	(A)	(B)	(C)	(D)
5.	(A)	(B)	(C)	(D)
6.	(A)	(B)	(C)	(D)
7.	(A)	(B)	(C)	(D)
8.	(A)	(B)	(C)	(D)
9.	(A)	(B)	(C)	(D)
10.	(A)	(B)	(C)	(D)
11.	(A)	(B)	(C)	(D)
12.	(A)	(B)	(C)	(D)

	A	B	C	D
13.	(A)	(B)	(C)	(D)
14.	(A)	(B)	(C)	(D)
15.	(A)	(B)	(C)	(D)
16.	(A)	(B)	(C)	(D)
17.	(A)	(B)	(C)	(D)
18.	(A)	(B)	(C)	(D)
19.	(A)	(B)	(C)	(D)
20.	(A)	(B)	(C)	(D)
21.	(A)	(B)	(C)	(D)
22.	(A)	(B)	(C)	(D)
23.	(A)	(B)	(C)	(D)
24.	(A)	(B)	(C)	(D)

Paper Code			
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

نوٹ:

۱۔ ایک سے زیادہ دائروں کو پُر کرنے یا کاٹ کر پُر کرنے کی صورت میں مذکورہ جواب غلط تصور ہوگا۔

Marks Obtained in MCQs _____ (To be filled by the examiner only) (صرف ممتحن پُر کرے)

AWARD SHEET (FOR OFFICIAL USE IN MARKING CENTRE) (صرف ممتحن پُر کرے)

MCQs	Q 2	Q 3	Q 4	Q 5	Q 6	Q 7	Q 8	Q 9	Q 10	Total Marks
Marks										
(0) (0)	(0) (0)	(0) (0)	(0) (0)	(0) (0)	(0) (0)	(0) (0)	(0) (0)	(0) (0)	(0) (0)	(0) (0) (0)
(1) (1)	(1) (1)	(1) (1)	(1) (1)	(1) (1)	(1) (1)	(1) (1)	(1) (1)	(1) (1)	(1) (1)	(1) (1) (1)
(2) (2)	(2) (2)	(2) (2)	(2) (2)	(2) (2)	(2) (2)	(2) (2)	(2) (2)	(2) (2)	(2) (2)	(2) (2) (2)
(3) (3)	(3) (3)	(3) (3)	(3) (3)	(3) (3)	(3) (3)	(3) (3)	(3) (3)	(3) (3)	(3) (3)	(3) (3) (3)
(4) (4)	(4) (4)	(4) (4)	(4) (4)	(4) (4)	(4) (4)	(4) (4)	(4) (4)	(4) (4)	(4) (4)	(4) (4) (4)
(5) (5)	(5) (5)	(5) (5)	(5) (5)	(5) (5)	(5) (5)	(5) (5)	(5) (5)	(5) (5)	(5) (5)	(5) (5) (5)
(6) (6)	(6) (6)	(6) (6)	(6) (6)	(6) (6)	(6) (6)	(6) (6)	(6) (6)	(6) (6)	(6) (6)	(6) (6) (6)
(7) (7)	(7) (7)	(7) (7)	(7) (7)	(7) (7)	(7) (7)	(7) (7)	(7) (7)	(7) (7)	(7) (7)	(7) (7) (7)
(8) (8)	(8) (8)	(8) (8)	(8) (8)	(8) (8)	(8) (8)	(8) (8)	(8) (8)	(8) (8)	(8) (8)	(8) (8) (8)
(9) (9)	(9) (9)	(9) (9)	(9) (9)	(9) (9)	(9) (9)	(9) (9)	(9) (9)	(9) (9)	(9) (9)	(9) (9) (9)

Sub-Examiner Code			
0	0	0	0
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9

It is certified that the result on this form matches with marks given on the corresponding answer sheet.

Sub-Examiner Signature _____

DISCLAIMER: BOARD SHALL NOT BE RESPONSIBLE IF THE MENTIONED INSTRUCTIONS ARE NOT FOLLOWED.

Time Allowed: 15 mins

(Objective Type)

Max. Marks: 12

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.

Q.1	Questions	(A)	(B)	(C)	(D)
1.	The total number of elements in nature are:	92	93	91	90
2.	Logical results of hypothesis are called:	Problem	Experiment	Deduction	Law
3.	Five kingdom system introduce by:	Margulis & Schwartz	Tournefort	Robert Whittaker	Ernest Hackel
4.	There are ___ micrometers (μm) in one millimeter (mm).	10	100	1000	$\frac{1}{1000}$
5.	Which of these cellular organelles have their own DNA?	Chloroplast	Nucleus	Mito-chondrion	All of these
6.	Which event distinguishes meiosis from mitosis?	Condensation of chromosomes	Loss of the nuclear membrane	Formation of metaphase plate	Pairing of homologous chromosomes
7.	Which scientist gave the concept of Metabolism first?	Ibn-e-Nafees	Jabir	Newton	William
8.	Calvin got Nobel Prize in:	1961	1971	1985	1991
9.	ATP was discovered by:	Fritz Lipmann	Calvin	Karl Lohman	None of these
10.	Through which process organisms get energy:	Photo-synthesis	Respiration	Transpiration	Evaporation
11.	Salts makeup plasma by weight:	0.6 %	0.8 %	0.7 %	0.9 %
12.	In normal adult human, the weight of heart is:	200 – 250 g	150 – 200 g	250 – 300 g	100 – 200 g

(Section - I)

2. Write short answers to the following questions. (any five) (5×2=10)

- i. Differentiate between Environmental biology and cell biology.
- ii. Quantitative observation is more accurate than qualitative. Why?
- iii. What is the difference between theory and law?
- iv. What is the mode of nutrition of fungi?
- v. Write the classification of pea plant.
- vi. Write the difference between RER and SER.
- vii. What is Exocytosis and Endocytosis?
- viii. What is the difference between active transport and passive transport?

3. Write short answers to the following questions. (any five) (5×2=10)

- i. Why prokaryotes do not show mitosis?
- ii. What is kinetochore?
- iii. How cytokinesis occurs in plants?
- iv. Define activation energy and explain how enzymes lower the need for activation energy.
- v. What is the difference between co-factor and co-enzyme?
- vi. How many sub-units of ATP?
- vii. What do you know about lactic acid fermentation?
- viii. What is the difference between disjunction and non-disjunction?

4. Write short answers to the following questions. (any five)

(5×2=10)

- i. What is the difference between insoluble dietary fiber and soluble dietary fiber?
- ii. Differentiate between absorption and assimilation.
- iii. What is the composition of gastric juice?
- iv. What is appendix?
- v. Why potassium (K^+) ions move from epidermal cells towards guard cells?
- vi. What is angina pectoris?
- vii. What is the difference between pulmonary circulation and systemic circulation?
- viii. What do you know about thrombocytes?

(Section - II)

Note: Give detailed answers of the following questions. (any two)

(9×2=18)

5. (a) Write a detailed note on nucleus. **(5)**
(b) What do you know about kingdom monera? **(4)**
6. (a) Explain prophase I in detail. **(5)**
(b) Write a note on Calvin cycle. **(4)**
7. (a) Write a note on liver. **(5)**
(b) Describe blood plasma in detail. **(4)**