

Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur

Academic Session 2021-2022

Bachelor of Science (B. Sc.) (Semester-V)

COMPUTER SCIENCE Paper-I-VB Programming

UNIT TEST on Unit I and II

Time: 45 min.]

[Maximum Marks: 20

N.B. :- (1) Solve all the questions.

1. Explain Visual Basic Window components listed as below : (i) Project Explorer Window (ii) Properties Window (iii) Form Layout Window. 5

Or

2. Explain different datatypes in VB. 5

3. Explain the following controls in VB : (i) Image Control (ii) Picture Control (iii) Timer Control. 5

Or

4. Write short note on Looping Structure in VB. 5

5. What is an Array ? Explain different types of Arrays with example. 5

Or

6. Explain the different user interaction functions in VB. 5

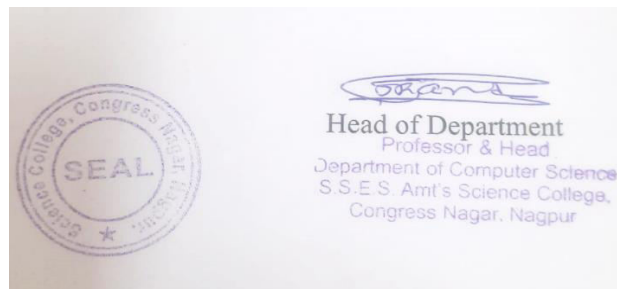
7. Explain the different conversion functions in VB. 5

Or

8. What is procedure in VB ? Explain the two different methods for passing arguments to procedures 5



Signature of Teacher



Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur

Academic Session 2021-2022

Bachelor of Science (B. Sc.) (Semester-V)

COMPUTER SCIENCE Paper-I-VB Programming

UNIT TEST MARKS

Name of Teacher: Dr. A. A. Halder

Date:18/08/2021

S.N.	Name of Student	Paper-I Test Based on Unit I And II
1	Aditya M. Bansule	20
2	Abhinav D Kawale	11
3	Adina J Anwar	A
4	Aditi H Gokhe	8
5	Aditya P Ardak	13
6	Adiyya T Bhutmare	17
7	Aishwarya K Raut	A
8	Aditya Shirpure	9
9	Akash C Meshram	17
10	Aman Agrawal	A
11	Anjali R Kamde	17
12	Aparana S Mishra	17
13	Apeksha D Nimje	11
14	Aruna Vdaykumar	5
15	Ashutosh R Atey	14
16	Bharti V Sindhamwar	13
17	Bilal H Khan	A
18	Chhabil N Pitroda	17
19	Chirayu D Madhavi	13
20	Darshana Thakare	12
21	Dhiraj A Borkar	5
22	Dipali A Ugemuge	5
23	Dipali B Mankar	A
24	Dipesh D Dumane	6
25	Girish G Selokar	11
26	Gunjan A Bansod	17
27	Harsha S Ukey	5

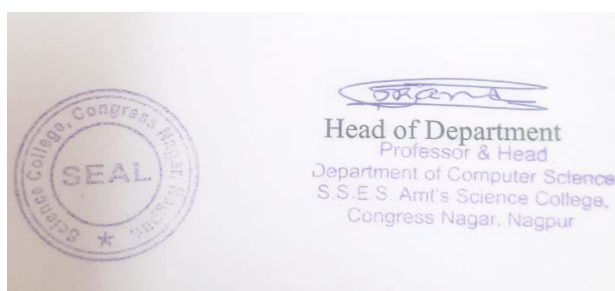
28	Harshita R Bansinge	10
29	Hemanshu G Kasar	20
30	Hemant S Mesharam	9
31	Hemlata S Sawankar	A
32	Hrushikesh Y Darne	9
33	Janvi G Gaydhane	20
34	Kanchan R Rathod	5
35	Kanchan W Gondale	20
36	Kanchan Gupta	A
37	Karina G Asole	11
38	Komal P Jokyani	5
39	Kunal R Thorat	11
40	Manasi S Khairkar	13
41	Mansi S Kumre	6
42	Minal D Ingle	17
43	Mohini D Jaunjal	11
44	Mrudula N Selokar	A
45	Myuri S Dudhe	11
46	Nashranaz A Sheikh	6
47	Nidhi Singh	15
48	Nidhi Singh	6
49	Nikita S Shende	A
50	Nisha J Nayak	15
51	Nutan G Bhoyar	17
52	Omkar N Jaulkar	5
53	Pankaj A Rahele	8
54	Pankaj K Choure	14
55	Paridhi A Singh	A
56	Pavan K Monankar	19
57	Pooja S Telang	13
58	Prachi R Gour	16
59	Prajakta G. Gedam	20
60	Prajwal G. Agrawal	13
61	Pranay P Baharghare	11
62	Pratiksha R Barde	17
63	Preeti Rai	A
64	Priya B Maity	15
65	Rahul V Warkhede	11
66	Rashmita R. Pradhan	19

67	Rasika G Taralekar	12
68	Rechal M Goswami	A
69	Ritik R Singh	13
70	Riya Rai	18
71	Rushika V Tikoo	20
72	Rushikesh D Sarode	19
73	Sagar S Kene	A
74	Sahil D Singh	8
75	Saksham S Dongre	19
76	Sakshi G Palde	13
77	Sakshi H Bidkar	A
78	Sakshi Tiwade	6
79	Samiksha J Lende	20
80	Samiksha S Mogre	18
81	Samiksha V Rambhad	5
82	Sampada R Navghare	A
83	Saurabh Thaokar	6
84	Sayabaj Sheikh	17
85	Sejal K Jakkanwar	18
86	Sejal S Hadke	7
87	Sharda D Punde	13
88	Sharvari S Natu	12
89	Shilpi Chadokar	17
90	Shivam R Kakde	7
91	Shoeb A. Sheikh	A
92	Shradha R Bhonde	9
93	Shreya G Dandekar	20
94	Shruti D Kove	A
95	Shruti V Ugemuge	13
96	Shubham R Mishra	5
97	Simran G Nandankar	9
98	Surekha V Poharkar	10
99	Swapnil A Agarkar	18
100	Tanu S Sangole	7
101	Tanvi P Abhyankar	19
102	Tejas S Gothe	A
103	Urja R Tiwari	11
104	Vaishnavi Kalokar	13
105	Vaishnavi M Pawankar	17

106	Vaishnavi S Kulkarni	6
107	Vaishnavi V Wahile	8
108	Vaishnavi Wadskar	A
109	Vanshika S Naik	17
110	Vedant M Vaidya	12
111	Vicky D Songende	8
112	Vikas A Rajput	16
113	Vinita N Kadu	8
114	Vrijwal Tayade	18
115	Siddarth Chandurkar	18



Signature of Teacher



Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur

Academic Session 2021-2022

Bachelor of Science (B. Sc.) (Semester-V)

COMPUTER SCIENCE Paper-I-VB Programming

UNIT TEST on Unit III and IV

Time: 45 min.]

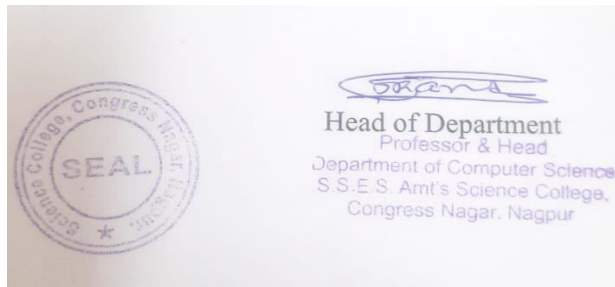
[Maximum Marks: 20

N.B. :- (1) Solve all the questions.

1. What is Popup Menu ? Explain the methods to create Popup Menu. 5
Or
2. Explain the steps to create database, using Visual Data Manager. 5
3. Write the steps to create menu using menu editor in VB. 5
Or
4. Write the steps to create search program in VB using DAO. 5
5. Write a note on Error Handling in VB. 5
Or
6. Explain the following advanced data controls :
(i) Data List
(ii) Data Combo
(iii) Data Grid. 5
7. What is ADO Control ? Explain the three ways to connect database using ADO control. 5
Or
8. Write short note on Data Environment and Data Report in VB. 5



Signature of Teacher



Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur

Academic Session 2021-2022

Bachelor of Science (B. Sc.) (Semester-V)

COMPUTER SCIENCE Paper-I-VB Programming

UNIT TEST MARKS OUT OF 20

Name of Teacher: Dr. A. A. Halder

Date:16/09/2021

S.N.	Name of Student	Paper I Test Based on Unit III and IV
1	Aditya M. Bansule	A
2	Abhinav D Kawale	5
3	Adina J Anwar	12
4	Aditi H Gokhe	13
5	Aditya P Ardak	12
6	Adiyya T Bhutmare	15
7	Aishwarya K Raut	12
8	Aditya Shirpure	15
9	Akash C Meshram	18
10	Aman Agrawal	5
11	Anjali R Kamde	13
12	Aparana S Mishra	A
13	Apeksha D Nimje	17
14	Aruna Vdaykumar	20
15	Ashutosh R Atey	9
16	Bharti V Sindhamwar	7
17	Bilal H Khan	15
18	Chhabil N Pitroda	11
19	Chirayu D Madhavi	13
20	Darshana Thakare	16
21	Dhiraj A Borkar	17
22	Dipali A Ugemuge	6
23	Dipali B Mankar	18
24	Dipesh D Dumane	10
25	Girish G Selokar	20
26	Gunjan A Bansod	16
27	Harsha S Ukey	7
28	Harshita R Bansinge	11

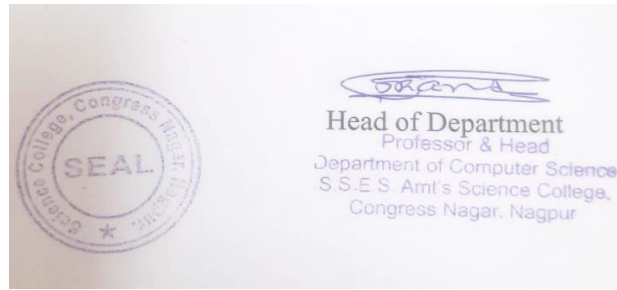
29	Hemanshu G Kasar	20
30	Hemant S Mesharam	9
31	Hemlata S Sawankar	5
32	Hrushikesh Y Darne	13
33	Janvi G Gaydhane	A
34	Kanchan R Rathod	5
35	Kanchan W Gondale	10
36	Kanchan Gupta	12
37	Karina G Asole	7
38	Komal P Jokyani	20
39	Kunal R Thorat	A
40	Manasi S Khairkar	5
41	Mansi S Kumre	7
42	Minal D Ingle	8
43	Mohini D Jaunjal	7
44	Mrudula N Selokar	12
45	Myuri S Dudhe	7
46	Nashranaz A Sheikh	5
47	Nidhi Singh	16
48	Nidhi Singh	13
49	Nikita S Shende	15
50	Nisha J Nayak	11
51	Nutan G Bhoyar	9
52	Omkar N Jaulkar	8
53	Pankaj A Rahele	11
54	Pankaj K Choure	16
55	Paridhi A Singh	9
56	Pavan K Monankar	18
57	Pooja S Telang	15
58	Prachi R Gour	16
59	Prajakta G. Gedam	9
60	Prajwal G. Agrawal	16
61	Pranay P Baharghare	16
62	Pratiksha R Barde	10
63	Preeti Rai	18
64	Priya B Maity	10
65	Rahul V Warkhede	7
66	Rashmita R. Pradhan	16
67	Rasika G Taralekar	11

68	Rechal M Goswami	20
69	Ritik R Singh	11
70	Riya Rai	9
71	Rushika V Tikoo	10
72	Rushikesh D Sarode	19
73	Sagar S Kene	11
74	Sahil D Singh	8
75	Saksham S Dongre	6
76	Sakshi G Palde	11
77	Sakshi H Bidkar	13
78	Sakshi Tiwade	14
79	Samiksha J Lende	12
80	Samiksha S Mogre	8
81	Samiksha V Rambhad	6
82	Sampada R Navghare	20
83	Saurabh Thaokar	A
84	Sayabaj Sheikh	5
85	Sejal K Jakkanwar	13
86	Sejal S Hadke	20
87	Sharda D Punde	14
88	Sharvari S Natu	17
89	Shilpi Chadokar	12
90	Shivam R Kakde	16
91	Shoeb A. Sheikh	5
92	Shradha R Bhonde	9
93	Shreya G Dandekar	18
94	Shruti D Kove	17
95	Shruti V Ugemuge	18
96	Shubham R Mishra	A
97	Simran G Nandankar	14
98	Surekha V Poharkar	17
99	Swapnil A Agarkar	13
100	Tanu S Sangole	5
101	Tanvi P Abhyankar	18
102	Tejas S Gothe	20
103	Urja R Tiwari	7
104	Vaishnavi Kalokar	13
105	Vaishnavi M Pawankar	16
106	Vaishnavi S Kulkarni	5

107	Vaishnavi V Wahile	14
108	Vaishnavi Wadskar	20
109	Vanshika S Naik	A
110	Vedant M Vaidya	17
111	Vicky D Songende	10
112	Vikas A Rajput	15
113	Vinita N Kadu	5
114	Vrijwal Tayade	11
115	Siddarth Chandurkar	A



Signature of Teacher



Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur

Academic Session 2021-2022

Bachelor of Science (B. Sc.) (Semester-V)

COMPUTER SCIENCE Paper-II-DBMS

UNIT TEST on Unit I and II

Time: 45 min.]

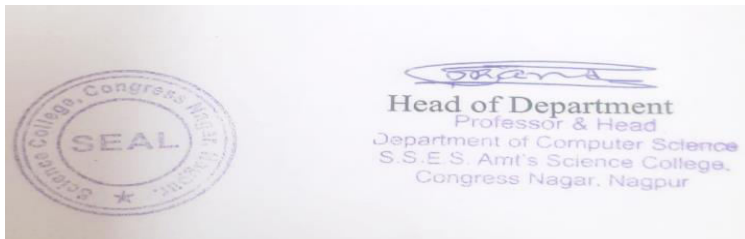
[Maximum Marks: 20

N.B. :- (1) Solve all the questions.

1. Give classification of Data Models and explain in brief. 5
Or
2. Explain network data model with example and discuss advantages and disadvantages of this model. 5
3. Explain different problems associated with traditional file processing system. 5
Or
4. Draw three level architecture of DBMS and explain. 5
5. Explain super key, candidate key and primary key with suitable example. 5
Or
6. Explain Data Migration, Relationship giving suitable example. 5
7. Define attribute. Explain :
(i) Simple and composite attribute
(ii) Single valued and multivalued
(iii) Null attribute
(iv) Derived attribute. 5
Or
8. List symbols used in E-R diagram and explain their meaning. Give one example of E-R diagram. 5



Signature of Teacher



Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur

Academic Session 2021-2022

Bachelor of Science (B. Sc.) (Semester-V)

COMPUTER SCIENCE Paper-II-DBMS

UNIT TEST MARKS OUT OF 20

Name of Teacher: Prof. S. R. Pande

Date:17/08/2021

S.N.	Name of Students (ECSM)	Paper II Test Based on Unit I And II
1	Aditya M. Bansule	17
2	Abhinav D Kawale	19
3	Adina J Anwar	12
4	Aditi H Gokhe	16
5	Aditya P Ardak	15
6	Adiyya T Bhutmare	A
7	Aishwarya K Raut	19
8	Aditya Shirpure	17
9	Akash C Meshram	20
10	Aman Agrawal	A
11	Anjali R Kamde	15
12	Aparana S Mishra	18
13	Apeksha D Nimje	19
14	Aruna Vdaykumar	A
15	Ashutosh R Atey	15
16	Bharti V Sindhamwar	16
17	Bilal H Khan	11
18	Chhabil N Pitroda	6
19	Chirayu D Madhavi	8
20	Darshana Thakare	A
21	Dhiraj A Borkar	13
22	Dipali A Ugemuge	15
23	Dipali B Mankar	8
24	Dipesh D Dumane	17
25	Girish G Selokar	A
26	Gunjan A Bansod	7
27	Harsha S Ukey	15
28	Harshita R Bansinge	7

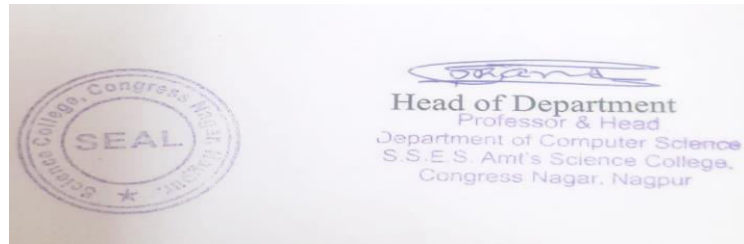
29	Hemanshu G Kasar	11
30	Hemant S Mesharam	9
31	Hemlata S Sawankar	20
32	Hrushikesh Y Darne	20
33	Janvi G Gaydhane	6
34	Kanchan R Rathod	8
35	Kanchan W Gondale	10
36	Kanchan Gupta	14
37	Karina G Asole	A
38	Komal P Jokyani	13
39	Kunal R Thorat	11
40	Manasi S Khairkar	20
41	Mansi S Kumre	20
42	Minal D Ingle	7
43	Mohini D Jaunjal	13
44	Mrudula N Selokar	6
45	Myuri S Dudhe	A
46	Nashranaz A Sheikh	12
47	Nidhi Singh	6
48	Nidhi Singh	6
49	Nikita S Shende	12
50	Nisha J Nayak	A
51	Nutan G Bhoyar	17
52	Omkar N Jaulkar	13
53	Pankaj A Rahele	13
54	Pankaj K Choure	9
55	Paridhi A Singh	5
56	Pavan K Monankar	9
57	Pooja S Telang	11
58	Prachi R Gour	A
59	Prajakta G. Gedam	A
60	Prajwal G. Agrawal	20
61	Pranay P Baharghare	13
62	Pratiksha R Barde	A
63	Preeti Rai	9
64	Priya B Maity	9
65	Rahul V Warkhede	15
66	Rashmita R. Pradhan	6
67	Rasika G Taralekar	5

68	Rechal M Goswami	A
69	Ritik R Singh	14
70	Riya Rai	A
71	Rushika V Tikoo	16
72	Rushikesh D Sarode	10
73	Sagar S Kene	11
74	Sahil D Singh	16
75	Saksham S Dongre	10
76	Sakshi G Palde	A
77	Sakshi H Bidkar	15
78	Sakshi Tiwade	11
79	Samiksha J Lende	6
80	Samiksha S Mogre	A
81	Samiksha V Rambhad	12
82	Sampada R Navghare	5
83	Saurabh Thaokar	17
84	Sayabaj Sheikh	5
85	Sejal K Jakkanwar	14
86	Sejal S Hadke	A
87	Sharda D Punde	13
88	Sharvari S Natu	10
89	Shilpi Chadokar	A
90	Shivam R Kakde	6
91	Shoeb A. Sheikh	10
92	Shradha R Bhonde	8
93	Shreya G Dandekar	16
94	Shruti D Kove	20
95	Shruti V Ugemuge	16
96	Shubham R Mishra	7
97	Simran G Nandankar	6
98	Surekha V Poharkar	A
99	Swapnil A Agarkar	6
100	Tanu S Sangole	14
101	Tanvi P Abhyankar	17
102	Tejas S Gothe	18
103	Urja R Tiwari	A
104	Vaishnavi Kalokar	8
105	Vaishnavi M Pawankar	20
106	Vaishnavi S Kulkarni	10

107	Vaishnavi V Wahile	18
108	Vaishnavi Wadskar	19
109	Vanshika S Naik	14
110	Vedant M Vaidya	5
111	Vicky D Songende	13
112	Vikas A Rajput	20
113	Vinita N Kadu	A
114	Vrijwal Tayade	12
115	Siddarth Chandurkar	8



Signature of Teacher



Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur

Academic Session 2021-2022

Bachelor of Science (B. Sc.) (Semester-V)

COMPUTER SCIENCE Paper-II-DBMS

UNIT TEST on Unit III and IV

Time: 45 min.]

[Maximum Marks: 20

N.B. :- (1) Solve all the questions.

1. Explain following operations with suitable example :

(i) Union

(ii) Set difference.

Or

5

2. Consider following relation :

NSS_UNIT(stu_name, volunteer_no)

NCC_UNIT(stu_name, cadet_no)

Answer following query in relational algebra :

Find names of all students who are members of both NSS_UNIT and NCC_UNIT.

3. Explain left, right and full outer join operation with example.

5

Or

4. Consider following relation :

loan(branch_name, loan_no, loan_amt).

Construct queries in relational algebra for following :

(i) Find all tuples with branch name "XYZ".

(ii) Find all tuples with loan_amt more than 2 lac.

(iii) Find all tuples with branch name "PQR" and loan_amt more than 5 lac.

(iv) Find branch_name of loan_no "LOOA58".

(v) Find loan_no pertaining to "MNO" branch.

5

5. Explain 2NF. Discuss problems arising in three basic operations_insert, delete and update when relation is in 2NF.

5

Or

6. Identify the functional dependencies in the following table :—

5

J	K	L
x	1	2
x	1	3
y	1	4
y	1	3
z	2	5
P	4	7

7. What is Functional Dependency ? Explain full and partial functional dependency with example.

5

Or

8. Explain partial functional dependency and transitive functional dependency with example.

5



Signature of Teacher



Shri Shivaji Education Society Amravati's Science College, Congress Nagar, Nagpur

Academic Session 2021-2022

Bachelor of Science (B. Sc.) (Semester-V)

COMPUTER SCIENCE Paper-II-DBMS

UNIT TEST MARKS OUT OF 20

Name of Teacher: Prof. S. R. Pande

Date:22/09/2021

S.N.	Name of Students (ECSM)	Paper II Test Based on Unit III and IV
1	Aditya M. Bansule	13
2	Abhinav D Kawale	18
3	Adina J Anwar	18
4	Aditi H Gokhe	A
5	Aditya P Ardak	20
6	Adiyya T Bhutmare	17
7	Aishwarya K Raut	9
8	Aditya Shirpure	8
9	Akash C Meshram	11
10	Aman Agrawal	19
11	Anjali R Kamde	8
12	Aparana S Mishra	16
13	Apeksha D Nimje	18
14	Aruna Vdaykumar	7
15	Ashutosh R Atey	18
16	Bharti V Sindhamwar	A
17	Bilal H Khan	19
18	Chhabil N Pitroda	5
19	Chirayu D Madhavi	20
20	Darshana Thakare	16
21	Dhiraj A Borkar	20
22	Dipali A Ugemuge	5
23	Dipali B Mankar	12
24	Dipesh D Dumane	20
25	Girish G Selokar	5
26	Gunjan A Bansod	16
27	Harsha S Ukey	8
28	Harshita R Bansinge	17

29	Hemanshu G Kasar	17
30	Hemant S Mesharam	16
31	Hemlata S Sawankar	A
32	Hrushikesh Y Darne	13
33	Janvi G Gaydhane	10
34	Kanchan R Rathod	19
35	Kanchan W Gondale	12
36	Kanchan Gupta	15
37	Karina G Asole	17
38	Komal P Jokyani	14
39	Kunal R Thorat	20
40	Manasi S Khairkar	14
41	Mansi S Kumre	A
42	Minal D Ingle	A
43	Mohini D Jaunjal	19
44	Mrudula N Selokar	8
45	Myuri S Dudhe	6
46	Nashranaz A Sheikh	12
47	Nidhi Singh	A
48	Nidhi Singh	17
49	Nikita S Shende	12
50	Nisha J Nayak	17
51	Nutan G Bhoyar	5
52	Omkar N Jaulkar	10
53	Pankaj A Rahele	A
54	Pankaj K Choure	13
55	Paridhi A Singh	20
56	Pavan K Monankar	19
57	Pooja S Telang	7
58	Prachi R Gour	14
59	Prajakta G. Gedam	15
60	Prajwal G. Agrawal	20
61	Pranay P Baharghare	7
62	Pratiksha R Barde	7
63	Preeti Rai	8
64	Priya B Maity	7
65	Rahul V Warkhede	A
66	Rashmita R. Pradhan	6
67	Rasika G Taralekar	14

68	Rechal M Goswami	10
69	Ritik R Singh	8
70	Riya Rai	5
71	Rushika V Tikoo	20
72	Rushikesh D Sarode	5
73	Sagar S Kene	6
74	Sahil D Singh	20
75	Saksham S Dongre	7
76	Sakshi G Palde	7
77	Sakshi H Bidkar	17
78	Sakshi Tiwade	A
79	Samiksha J Lende	8
80	Samiksha S Mogre	13
81	Samiksha V Rambhad	19
82	Sampada R Navghare	6
83	Saurabh Thaokar	A
84	Sayabaj Sheikh	9
85	Sejal K Jakkanwar	20
86	Sejal S Hadke	17
87	Sharda D Punde	7
88	Sharvari S Natu	6
89	Shilpi Chadokar	14
90	Shivam R Kakde	18
91	Shoeb A. Sheikh	12
92	Shradha R Bhonde	6
93	Shreya G Dandekar	A
94	Shruti D Kove	14
95	Shruti V Ugemuge	20
96	Shubham R Mishra	20
97	Simran G Nandankar	12
98	Surekha V Poharkar	15
99	Swapnil A Agarkar	14
100	Tanu S Sangole	11
101	Tanvi P Abhyankar	13
102	Tejas S Gothe	10
103	Urja R Tiwari	15
104	Vaishnavi Kalokar	9
105	Vaishnavi M Pawankar	6
106	Vaishnavi S Kulkarni	A

107	Vaishnavi V Wahile	7
108	Vaishnavi Wadskar	18
109	Vanshika S Naik	8
110	Vedant M Vaidya	10
111	Vicky D Songende	15
112	Vikas A Rajput	17
113	Vinita N Kadu	13
114	Vrijwal Tayade	5
115	Siddarth Chandurkar	15



Signature of Teacher

