

**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.
BCAII Semester-III(2020-21)**

Visual Basic Programming Paper-I

Result of Unit Test held on 12/9/2020 on Unit I and Unit II

Name of the teacher: Puja M. Dadhe

Sr. No.	Name	Marks out of 30 in Unit I-II
1	Ali Nurhahan Shaukat	11
2	Ambekar Atharva Laxmikant	AA
3	Arora Urshala Darshan	00
4	Asampelli Harshal Namdeo	AA
5	Badre Himanshu Suresh	AA
6	Baghele Tanoj Khushilal	24
7	Bangre Abhishek Rajendra	20
8	Bhagatkar Reshma Nilkumar	AA
9	Bhatgare Dhanashree Manish	16
10	Bhokre Sansruti Sanjay	28
11	Bhoyar Vishrut Ganesh	16
12	Bisane Vinay Dilip	17
13	Bisen Vipul Holendra	21
14	Bitale Sonal Umesh	AA
15	Bobade Yash Sudhakar	27
16	Bodhankar Rahul Vilas	AA
17	Bonde Mitali Ajay	21
18	Borkute Kaushik Bharat	AA
19	Burde Sahil Vijay	AA
20	Chauhan Prachi Vinod	AA

21	Choudhari Deepali Sunil	21
22	Daf Nayanshree Dipak	8
23	Dafale Ritesh Pradeep	AA
24	Dahikar Digvijay Sanjayrao	12
25	Dangre Sojwal Dinesh	29
26	Dapewar Mokshada Ravindra	10
27	Deorankar Vedant Ajay	28
28	Deshkar Radhika Umesh	7
29	Dhakane Ayush Nandesh	7
30	Dharmadhikari Prathmesh Mangesh	AA
31	Dhomane Sakshi Kishor	24
32	Dubey Rupam Tarurendra	5
33	Fidvi Batul Mufazzal	12
34	Gadve Nikita Manoj	29
35	Ganjare Anurag Rajesh	5
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68	Martha Nishtha Rakesh	11
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90	Shende Ajit Dasaram	15
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104	Vairagare Arya Vipin	19
105	Vibhute Chaitanya Shyam	16
106	Vishwakarma Harsh Sudeep	22
107	Wanare Gauri Induram	7



Signature of the Teacher



**Head
Department of Computer Science**



Professor & Head
Department of Computer Science
S. S. E. S. Am's Science College,
Congress Nagar, Nagpur

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Bachelor of Computer Application (B.C.A) (Semester-III)
Visual Basic Programming Paper-I
UNIT TEST on Unit I - II**

[Time: 45 min.]

[Maximum Marks: 30]

UNIT-I

QUE. 1. SOLVE ANY THREE QUESTIONS:

- | | |
|--|---|
| 1. Explain i) Project Explorer Window ii) Properties Window. | 5 |
| 2. Explain the different data types used in VB. | 5 |
| 3. Explain For...Next and Do...While loops in VB. | 5 |
| 4. Write notes on the following controls: | |
| i)Command Button | |
| ii)Option Button | |
| iii)Checkbox | 5 |

UNIT-II

QUE. 2. SOLVE ANY THREE QUESTIONS:

- | | |
|--|---|
| 1.What is Array? Explain control array in VB. | 5 |
| 2.What is Function?Explain user interaction function in VB. | 5 |
| 3.What is procedure? Write a procedure to print Fibonacci series upto n terms. | 5 |
| 4.Explain the different conversion functions used in visual basic | 5 |


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BCAII Semester-III(2020-21)

Visual Basic Programming Paper-I

Result of Unit Test held on 28/10/2020 on Unit III and Unit IV

Name of the teacher: Puja M.Dadhe

Sr. No.	Name	Marks out of 30 in Unit III-IV
1	Ali Nurhahan Shaukat	20
2	Ambekar Atharva Laxmikant	22
3	Arora Urshala Darshan	17
4	Asampelli Harshal Namdeo	19
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105	Vibhute Chaitanya Shyam	16
106	Vishwakarma Harsh Sudeep	22
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Bachelor of Computer Application (B.C.A) (Semester-III)
Visual Basic Programming Paper-I
UNIT TEST on Unit III - IV**

[Time: 45 min.]

[Maximum Marks: 30]

UNIT-III

QUE. 1. SOLVE ANY THREE QUESTIONS:

- | | |
|--|---|
| 1. What is menu editor? Write steps to create menu using menu editor | 5 |
| 2.Explain VDM in detail. | 5 |
| 3.Explain data control events and properties with suitable example. | 5 |
| 4.What is DAO? Write steps to access database using DAO. | 5 |

UNIT-IV

QUE. 2. SOLVE ANY THREE QUESTIONS:

- | | |
|---|---|
| 1.Explain DataGrid control and MsflexGrid control with suitable example. | 5 |
| 2.What is data report? Discuss part of data report and control in detail. | 5 |
| 3.What do you mean by data environment? Explain its components. | 5 |
| 4.How navigation buttons are created in vb? Explain. | 5 |



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.
BCA II Semester-III (2020-21)
SUBJECT Paper-II
Result of Unit Test held on 12/10/2020 on
Unit I and UNIT II**

Name of the teacher: V.C.Pande

Sr. No.	Name	Marks out of 30
1.	AAKANSHAGAJANANTHAKARE	0
2.	AARTISHIVRAMTIWARI	2
3.	ACHALKIRANKHARABE	21
4.	ANCHALPRAMOD THAKUR	10
5.	ANUSHKAANILSHIVANAND	0
6.	BATULMUFAZZALFIDVI	13
7.	BHEDIKASANJAYGOTAPHODE	8
8.	DEEPALI SUNILCHOUDHARI	14
9.	DHANASHREEMANISH BHATGARE	22
10.	DHANASHRISANJAY HULKEY	11
11.	DHANSHREEGPAWADE	12
12.	DIKSHANANDKISHOR MANEKAR	6
13.	DIVYA BHUMESHWARKATRE	5
14.	DIVYASUDHAKARPAWAR	0
15.	GAURIINDURAMWANARE	5
16.	HARSHALISAMBHAJIKALE	2
17.	KIRTIOMRAO TULSHIKAR	1
18.	MITALIAJAY BONDE	14
19.	MOKSHADA RAVINDRA DAPEWAR	4
20.	NAYANSHREE DEEPAK DAF	1
21.	NIKITAMANOJGADVE	1
22.	NISHTHARAKESH MARTHA	8
23.	NURJAHAN SHAUKATALI	13

24.	POOJAMURLIDHAR SHENDE	18
25.	PRACHIVINOD CHAUHAN	25
26.	PRANJALMANOJMANCHALWAR	16
27.	RADHIKAUMESH DESHKAR	4
28.	RESHMANILKUMAR BHAGATKAR	20
29.	RIASHAILESHSAXENA	3
30.	ROSHNIBABBUSHUKLA	13
31.	RUPAMTDUBEY	4
32.	SAKSHIKISHORDHOMANE	12
33.	SAKSHISURENDRALADKAR	15
34.	SAMIKSHASANJAY SHINGODE	22
35.	SANSKRUTISANJAY BHOKRE	1
36.	SEJALPRAKASH KHELKAR	0
37.	SHALINIDINESHGANVIR	22
38.	SHRADDHA DAYARAMKUMBHRE	20
39.	SHRUTISURENDRAKHOWARE	15
40.	SHRUTIYOGESH NAGARDHANKAR	13
41.	SOJWALDINESH DANGRE	22
42.	SONALUMESHBITALE	8
43.	SWATINARSHSAYAM	21
44.	TANAYAMAHEHNDRA KSHIRSAGAR	21
45.	TEJASWINIRAJESH HINGANEKAR	2
46.	URSHALA DARSHANARORA	3
47.	VAISHNAVIARUNCHAUDHARI	5
48.	VAISHNAVISANJAY SHASTRAKAR	17
49.	VAISHNAVISUBHASH MANMODE	22
50.	VINEETAGANESHPAWAR	22
51.	AAYUSHVINOD SATPUTE	12
52.	ABHISHEKRAJENDRABANGRE	0

53.	AJITDASARAMSHENDE	11
54.	ALOK KUWARLALJAMAIWAR	02
55.	AMANMUKESH RAUT	Ab
56.	ANURAGRAJESHGANJARE	9
57.	ARYA VIPINVAIRAGARE	10
58.	ASANG PURVESHNANDESHWAR	11
59.	ATHARVALAXMIKANTAMBEKAR	05
60.	ATHARVA SUBHASHGAURIHAR	Ab
61.	AVINASH SANJAYRAO THAKARE	20
62.	AYUSHNANDESHDHAKNE	12
63.	BHARATMANOHARKAMBLE	15
64.	CHAITANYA SHYAM VIBHUTE	15
65.	DIGVIJAY SANJAY RAODAHIKAR	16
66.	HARSHSUDEEP VISHWAKARMA	17
67.	HARSHALN ASAMPELLI	14
68.	HIMANSHUKESHAVSUMBEKAR	10
69.	HIMANSHUSURESHBADRE	09
70.	ISHANTVASANTASONTAKKE	17
71.	JAGDISHBALAJIMORE	22
72.	KAUSHIKBHARATBORKUTE	27
73.	KHUSHALSANJAYGOJE	25
74.	KUNALMAHESHAUSHIK	26
75.	LALITMADHAV SHETE	20
76.	MANISHHEMRAJKHAIRKAR	12
77.	MOHITVIJAYKASHYAP	Ab
78.	NISHANTSANDIP ITANKAR	12
79.	PAVANN.PANDRANGI	10
80.	PIYUSHPANDURANGGHATE	12
81.	PRASADVINA YNIRALE	13

82.	PRATHAMESH DHARMADHIKARI	15
83.	PRATHMESH RAHULKURUMKAR	11
84.	PRATIKMANOJNETKE	10
85.	PRAYANKANILLANJEWAR	06
86.	RAHULVBODHANKAR	25
87.	RAJNIKANT RADHESHYAM PARATE	23
88.	RITESHPRADEEPDAFALE	28
89.	RITIKBALESH KAKDE	29
90.	RUPAMTEKRAM KATRE	24
91.	RUTVIK ATULSARAF	04
92.	SAFDAR AKBAR ALI	00
93.	SAHILVIJAYBURDE	25
94.	SARVESHNANAJISANGOLKAR	09
95.	SHASHWAT HARIBHAU SHINDE	10
96.	SHREYASHKAMLESH RAWAT	10
97.	SHREYASH UMAKANTURKUDE	10
98.	SHUBHAM MADHUKAR KALBANDE	Ab
99.	SHUBHAMMATSYENDRATIWARI	Sb
100	SHUBHAMNAMDEO RAMTEKE	12
101	SURAJ PANDHARIKHAMANKAR	Ab
102	SWAPNILSANJAYPARKHI	12
103	TANMAYSUNILKHEDIKAR	10
104	TANOJKHUSHILALBAGHELE	8
105	TEJASSHESRAO THAKRE	7
106	TEJAS TARESH SAKHARKAR	5
107	VEDANTAJAYDEORANKAR	6
108	VINAYDILIP BISANE	20
109	VIPULHOLENDRABISEN	25
110	VIRAJGANPATMASULKAR	12

111	VISHALKUNJILALPARDHI	15
112	VISHRUTGANESH BHOYAR	10
113	VIVEK MULCHAND KUKADE	10
114	YASH SUDHAKARBOBADE	20
115	YASHSUNILSEWATKAR	23
116	YASH VASANTAGOMKALE	25
117	YASHVIJAYRAOGOMASE	260
118	YASHYUVRAJATKARE	01
119	YOGESHPRABHAKARMESHAM	Ab

Signature of the Teacher

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Academic Session 2020-2021
Bachelor of computer Application (BCA) (Semester-III)
Paper-II
(SUBJECT - DBMS)

UNIT TEST

Time: 45 min.]

[MaximumMarks: 30

UNIT-I

QUE. 1. SOLVE ANY THREE

- (a) List various models of Database and explain network model. ? 5
- (b) Differentiate between traditional file management system and database management System? . 5
- (c) Explain the term database processing and write short notes on :
- (i) Data Abstraction
- (ii) Data Migration. ? 5
- (d) Explain Hierarchical Data Model with example. ? 5

UNIT- II

QUE. 2. SOLVE ANY THREE

- (a) Construct appropriate tables for the following E-R diagram. ? 5
- (b) State two advantages and two drawbacks of E-R Data Model. Explain aggregation with suitable example. ? 5
- (c) Write steps to develop E-R diagram. ? 5
- (d) Differentiate between strong entity set and weak entity set. Give suitable example to illustrate your answer. ? 5

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8.	DEEPALI SUNILCHODHARI	14
9.	DHANASHREEMANISH BHATGARE	22
10.	DHANASHRISANJAY HULKEY	ab
11.	DHANSHREEGPAWADE	Ab
12.	DIKSHANANDKISHOR MANEKAR	16
13.	DIVYA BHUMESHWARKATRE	5
14.	DIVYASUDHAKARPAWAR	0
15.	GAURIINDURAMWANARE	5
16.	HARSHALISAMBHAJIKALE	2
17.	KIRTIOMRAO TULSHIKAR	Ab
18.	MITALIAJAY BONDE	2
19.	MOKSHADA RAVINDRA DAPEWAR	21
20.	NAYANSHREE DEEPAK DAF	10
21.	NIKITAMANOJGADVE	0
22.	NISHTHARAKESH MARTHA	13
23.	NURJAHAN SHAUKATALI	8

24.	POOJAMURLIDHAR SHENDE	14
25.	PRACHIVINOD CHAUHAN	22
26.	PRANJALMANOJMANCHALWAR	Ab
27.	RADHIKAUMESH DESHKAR	12
28.	RESHMANILKUMAR BHAGATKAR	6
29.	RIASHAILESHSAXENA	5
30.	ROSHNIBABBUSHUKLA	0
31.	RUPAMTDUBEY	15
32.	SAKSHIKISHORDHOMANE	ab
33.	SAKSHISURENDRALADKAR	1
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75.	LALITMADHAV SHETE	Ab
76.	MANISHHEMRAJKHAIRKAR	12
77.	MOHITVIJAYKASHYAP	10
78.	NISHANTSANDIP ITANKAR	05
79.	NISHANTSANDIP ITANKAR	02
80.	PAVANN.PANDRANGI	04
81.	PIYUSHPANDURANGGHATE	16

82.	PRASADVINA YNIRALE	18
83.	PRATHAMESH DHARMADHIKARI	10
84.	PRATHMESH RAHULKURUMKAR	09
85.	PRATIKMANOJNETKE	08
86.	PRAYANKANILLANJEWAR	10
87.	RAHULVBODHANKAR	11
88.	RAJNIKANT RADHESHYAM PARATE	12
89.	RITESH PRADEEPDAFALE	13
90.	RITIKBALESH KAKDE	05
91.	RUPAMTEKRAM KATRE	04
92.	RUTVIK ATULSARAF	00
93.	SAFDAR AKBAR ALI	Ab
94.	SAHILVIJAYBURDE	Ab
95.	SARVESHNANAJISANGOLKAR	Ab
96.	SHASHWAT HARIBHAU SHINDE	10
97.	SHREYASHKAMLESH RAWAT	12
98.	SHREYASH UMAKANTURKUDE	15
99.	SHUBHAM MADHUKAR KALBANDE	16
100.	SHUBHAMMATSYENDRATIWARI	15
101.	SHUBHAMNAMDEO RAMTEKE	14
102.	SURAJ PANDHARIKHAMANKAR	14
103.	SWAPNILSANJAYPARKHI	ab
104.	TANMAYSUNILKHEDIKAR	12
105.	TANOJKHUSHILALBAGHELE	12
106.	TEJASSHESHAO THAKRE	14
107.	TEJAS TARESH SAKHARKAR	10
108.	VEDANTAJAYDEORANKAR	10
109.	VINAYDILIP BISANE	10
110.	VIPULHOLENDRABISEN	10

111.	VIRAJGANPATMASULKAR	12
112.	VISHALKUNJILALPARDHI	13
113.	VISHRUTGANESH BHOYAR	15
114.	VIVEK MULCHAND KUKADE	14
115.	YASH SUDHAKARBOBADE	4
116.	YASHSUNILSEWATKAR	052
117.	YASH VASANTAGOMKALE	26
118.	YASHVIJAYRAOGOMASE	28
119.	YASHYUVRAJATKARE	24
120.	YOGESHPRABHAKARMESHAM	20

Signature of the Teacher

Head of Department



Professor & Head
Department of Computer Science
S.S.E.S. Am's Science College,
Congress Nagar, Nagpur

Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Bachelor of computer Application (BCA) (Semester-III)
Paper-II
(SUBJECT DBMS)

UNIT TEST

Time: 45 min.]

[MaximumMarks: 30

UNIT-III

QUE. 1. SOLVE ANY THREE

(A) Consider the following relations :

Borrower (Cust_name, Loan_no.)

Depositor (Cust_name, Account_no.)

Find all customers who have both a loan and account at bank. ?

5

(B) Explain the aggregate functions with example. ?

5

(C) Consider the following relations

Completed (Student, task), Project (task).

Find the name of students who has completed the task?

5

(D) Explain Division and Assignment operation with suitable example.

5

UNIT- IV

QUE. 2. SOLVE ANY THREE

(A) What is fully functional dependency ? Explain with an example. ?

5

(B) What is the need of Normalization ? Explain second Normal form with suitable example. 5

(C) Explain multivalued dependency with suitable example.?

5

(D) Explain Fourth Normal form with suitable example

5

Signature of the Teacher

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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Bachelor of Computer Application

B.C.A. II Semester-III (2020-21)

Data Structure Paper-III

Result of Unit Test held on 16/09/2020 on Unit I & II

Name of the teacher: Dr. Varsha Pande

Sr. No	Name of the Students	Marks out of 30
1	Aakansha Manik Malewar	16
2	Aanchal Ashwani Yadav	20
3	Aaysuh Rupal Gour	27
4	Abhay Kapurchand Baghele	11
5	Aditya Sandeep Nageshwar	13
6	Aditya Sudhakar Parchand	30
7	Aditya Vinayak Kochare	12
8	Akash Ashok Zade	10
9	Aman Bandu Manwatkar	30
10	Aman Dilip Morghade	16
11	Anish Manish Gour	17
12	Anjali Ghamandilal Choudhary	18
13	Ankush Chandan Pounikar	14
14	Anshul Arvind Gedam	22
15	Anuja Vilas Masalkar	14
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66	Pranay Prabhakar Punvatkar	10
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Signature of the Teacher



**Head
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Congress Nagar, Nagpur

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

Academic Session (2020-2021)

B.C.A. II Semester-III (2020-21)

Data Structure Paper-III

[TIME:48 MIN]

[MARKS: 30]

UNIT I

Que 1. Solve any three

1. Write an algorithm to insert a node at the beginning of linked list. 5
2. How polynomial expression can be represented using linked list . 5
3. What is Linked List ? What are the types of linked list ? Write an algorithm to insert a node at the beginning of linked list. 5
4. Write an algorithm to delete the last node of single linked list. 5

UNIT II

Que 2. Solve any three

1. Write an algorithm to convert Infix expression to Postfix expression. 5
2. Explain Quicksort method with suitable example. 5
3. What is circular queue ? Explain the overflow and underflow condition in array representation of circular queue. 5
4. Write a recursive algorithm for Tower of Hanoi Problem. 5



Signature of the Teacher



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

Bachelor of Computer Application

B.C.A. II Semester-III (2020-21)

Data Structure Paper-III

Result of Unit Test held on 25/11/2020 on Unit III & IV

Name of the teacher: Dr. Varsha Pande

Sr. No	Name of the Students	Marks out of 30
1	Aakansha Manik Malewar	25
2	Aanchal Ashwani Yadav	14
3	Aaysuh Rupal Gour	29
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63	Prajwal Nitin Sakhare	15
64	Prajwal Sunil Dharnedhar	15
65	Pranav Sanjay Manapure	30
66	Pranay Prabhakar Punvatkar	12
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92	Shivam Shankar Pichake	12
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94	Shreyash Sunil Deulkar	11
95	Shruti Abhay Singh	22
96	Shruti Jayant Shivankar	28
97	Shruti Manoj Verma	18
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100	Snehal Ratan Suryawanshi	24
101	Sovit Sanjay Khairkar	17
102	Srushti Mahesh Birewar	22
103	Suchit Vivek Shende	14
104	Sukanya Balkrushna Moharle	18
105	Suraj Raoji Tulavi	18
106	Suyog Yogesh Gujar	30
107	Sejal Vijay Patil	22
108	Shantanu Pruthviraj Khaparde	18
109	Tanu Sanjay Jayswal	12
110	Trupti Gajanan Madavi	14
111	Umme Nahedia Shakeel Ahmad	24
112	Vaibhavi Vijay Kalode	21
113	Vaishnavi Kailash Gour	10
114	Yash Milind Raikwar	20
115	Yash Vijay Khedikar	20

116	Yash Dipak Jadhao	17
117	Yash Manohar Dahiwale	28
118	Yash Vinod Khanke	16
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Signature of the Teacher



**Head
Department of Computer Science**



Professor & Head
Department of Computer Science
S. S. E. S. Am's Science College,
Congress Nagar, Nagpur

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic session (2020-2021)**

B.C.A. II Semester-III (2020-21)

Data Structure Paper-III

UNIT III

Que 1. Solve any three

1. What is Hashing ? Explain collision resolution technique. 5
2. Explain selection sort method with suitable example. 5
3. What is a Queue ? Explain array representation of queue in memory. 5
4. Write a short note on representation of graph using linked list and matrix. 5

UNIT IV

Que 2. Solve any three

1. What is Tree ? Explain the concept of Binary Search Tree. 5
2. Explain BFS traversing on graphs. 5
3. Write an algorithm for preorder traversal of Binary Tree. 5
4. Write a short note on representation of graph using linked list and matrix.



Signature of the Teacher



**Head
Department of Computer Science**



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S S E S. Am's Science College,
Congress Nagar, Nagpur

**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

BCA-II Semester-II (2020-21)

Operation Research-I Paper-IV

Result of Unit Test held on 20/9/2020 on

Unit I and Unit II

Name of The Teacher: -A.U. Bansinge

Sr. No.	Name	Marks out of 30
1	AACHAL RAJNAND ARVERKAR	18
2	AAYUSH RAJENDRA TAREKAR	12
3	ABHISHEK SANJAY THOKAL	11
4	ADITYA KAILAS MANE	18
5	AISHWARYA NAMDEV LATKAR	20
6	AKANKSHA AJAYKUMAR SHENDE	25
7	ALKESH ARUN MAHAMUNE	26
8	ANSH MOHAN PIMPLE	28
9	ANSHU GUNWANT YEKUDE	22
10	ANUJA VILAS ZADE	21
11	ANUPAM RAKESH PANDEY	30
12	ANURAG GANESH MASRAM	25
13	ANURAG RAJESH WASNIK	28
14	ARCHANA TEJRAM SHARNAGATE	27
15	AYUSH BABAN PAWAR	24
16	AYUSH RAJESH DUBEY	15
17	CHETNA SUNIL HEDAU	11
18	DARSHAN SUDESH KAMBLE	15
19	DEVASHISH SANTOSHKUMAR TEMBHARE	19
20	EKNATH VIJAY KAPSE	20
21	GAURAV LAXMICHAND RAHANGDALE	21
22	HARSH ASHISH KSHIRSAGAR	23
23	HARSH HARISH GAIKWAD	24
24	HARSHAL RAJU DAF	25

25	HARSHALI ASHOK TAKALKHEDE	18
26	HIMANSHU YASHWANT GAIDHANE	12
27	ISHWESHWARI RAJENDRA THAKRE	11
28	KAJAL ASHOK UMARE	18
29	KALASH SUKRAM GONDHULE	20
30	KARINA PARASRAM ATRAHE	25
31	KARTAVYA PRAKASH BADGE	26
32	KARTIK SUDHAKAR BAMBAL	28
33	KHUSHEE UDELAL PARDHI	22
34	KHUSHI ASHOK GHATE	21
35	KHUSHI MANOJ BHAGAT	23
36	KOMAL KAILASH PATIYE	25
37	KRUNAL AJAY KUHITE	28
38	LEENA MURLIDHAR YENKAR	27
39	MAHIMA RAJENDRA BHASMOTE	24
40	MAI RAMDAS BANSOD	15
41	MANAS SHAIENDRA KOKATE	11
42	MOIN ABDUL WAHID KHAN	15
43	MUGHEES UR SHAFIQR RAHMAN ANSARI	19
44	MUSHFIQUE MEHBOOB ALI	20
45	NAMRATA PRAMOD THAWARE	21
46	NANDINI PRAVINSINGH SURYAWANSHI	23
47	NANDINI VIJAYRAO KHANDARE	24
48	NAYANI SUNIL BORKAR	25
49	NEHA VIJAY VAIDYA	18
50	NIDHI KOMAL CHANDEL	12
51	NIKITA SATISH WARATKAR	11
52	NILESH HIRJI SHAHARE	18
53	NISARGA SANJAY HADKE	20
54	NITESH NEHARULAL PATRE	25
55	OM PANKAJ THORAT	26

56	PAWAN HOMRAJ SATPUTE	28
57	PAWANKUMAR RAMKISHOR GOKHE	22
58	PAYAL JAYENDRA AMBULE	21
59	PIYUSH CHANDRAMANI KHANDEKAR	23
60	PRACHI DNYANESHWAR BARDE	25
61	PRACHI MAHESH HULKE	28
62	PRAJWAL ASHOKRAO CHAUDHARI	27
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64	PRANAY VAISRAJ GEDAM	15
65	PRANJAL RAJESH AMBULKAR	11
66	PRANJALI CHANDRAKANT KATRE	15
67	PRASHANT KISANAJI HIRUDKAR	19
68	PRATHMESH SHRAWAN ZADE	20
69	PRATIK TULSHIRAM BHUJADE	21
70	PRITI BIJENDRA PANDEY	23
71	PUJAN SANJAY SHAHARE	24
72	PUSHPAK ANIL TAMBULKAR	25
73	RAJNI MANOJRAO PISE	18
74	REHAN SHAHEJAD FARUKI	12
75	RISHITA ASHOK RAUT	11
76	RUCHIKA SHANKAR MESHRAM	18
77	RUPESH RAJENDRA GHUMARE	20
78	SAGAR SUNIL KALBANDHE	25
79	SAHIL GANESH BHEDE	26
80	SAHIL RAVINDRA CHOUDHARI	28
81	SAMIKSHA NARENDRA NAKSHANE	22
82	SAMIKSHA PRAKASH DUPARE	21
83	SANCHALI RAMKRUSHNA DHOTE	23
84	SANJANA VINOD WELE	25
85	SANKET KISHOR TIKHADE	28
86	SARANG NARENDRA BURDE	27

87	SARVESH RAMESH SAHARE	24
88	SAURABH GANESH GAIKWAD	15
89	SAYYAM SHYAMKUMAR CHICKHEDE	11
90	SHARDUL SUDHIR GARADE	15
91	SHIVAM RAMESH NACHANKAR	19
92	SHRAVANI VINOD DESHMUKH	20
93	SHREYA LAHU WAGH	21
94	SHRUSTI RAJESH RAMTEKE	23
95	SHWETA BALKRUSHNA BADKHAL	24
96	SIDDHESH SUBHASH GUHE	25
97	SNEHA SANDIP WASNIK	18
98	SNEHAL RAVINDRA RAJGE	12
99	TANMAY PREMGOPAL MALGHATE	11
100	TANUSHREE RAM JAULKAR	18
101	TANUSHREE REVNATH KOLHEKAR	20
102	TANVI DINESH TURKAR	25
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118	YASH PRAVIN KHARABE	23
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120	Shlok Yadav	22
121	Anurag Mishra	21



Signature of the Teacher



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**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Bachelor of Computer Application (B.C.A) (Semester-II)
Operation Resarch-I, Paper-IV
UNIT TEST on Unit I - II**

[Time: 45 min.]

[Maximum Marks: 30]

UNIT-I

QUE. 1. SOLVE ANY THREE

- | | |
|--|---|
| Explain different phases of operations research. | 5 |
| Give the methodology of operation research. | 5 |
| Define Linear Programming problem. | 5 |
| Define General Linear Programming Problem. | 5 |

UNIT-II

QUE. 1. SOLVE ANY THREE

- | | |
|--|---|
| Explain Simplex algorithm. | 5 |
| 2. Explain Vogel's approximation method for transportation problem. | 5 |
| 3. What do you mean by unbalanced transportation problem? How will you balance it? | 5 |
| 4. What are limitations of graphical method? | 5 |



Signature of the Teacher



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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.
BCA II Semester-II (2020-21)
Operation Research-I Paper-IV
Result of Unit Test held on 30/10/2020 on
Unit III and Unit IV**

Name of The Teacher: -A.U. Bansinge

Sr. No.	Name	Marks out of 30
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3	ABHISHEK SANJAY THOKAL	11
4	ADITYA KAILAS MANE	18
5	AISHWARYA NAMDEV LATKAR	20
6	AKANKSHA AJAYKUMAR SHENDE	25
7	ALKESH ARUN MAHAMUNE	26
8	ANSH MOHAN PIMPLE	28
9	ANSHU GUNWANT YEKUDE	22
10	ANUJA VILAS ZADE	21
11	ANUPAM RAKESH PANDEY	30
12	ANURAG GANESH MASRAM	25
13	ANURAG RAJESH WASNIK	28
14	ARCHANA TEJRAM SHARNAGATE	27
15	AYUSH BABAN PAWAR	24
16	AYUSH RAJESH DUBEY	15
17	CHETNA SUNIL HEDAU	11
18	DARSHAN SUDESH KAMBLE	15
19	DEVASHISH SANTOSHKUMAR TEMBHARE	19
20	EKNATH VIJAY KAPSE	20
21	GAURAV LAXMICHAND RAHANGDALE	21
22	HARSH ASHISH KSHIRSAGAR	23

23	HARSH HARISH GAIKWAD	24
24	HARSHAL RAJU DAF	25
25	HARSHALI ASHOK TAKALKHEDE	18
26	HIMANSHU YASHWANT GAIDHANE	12
27	ISHWESHWARI RAJENDRA THAKRE	11
28	KAJAL ASHOK UMARE	18
29	KALASH SUKRAM GONDHULE	20
30	KARINA PARASRAM ATRAHE	25
31	KARTAVYA PRAKASH BADGE	26
32	KARTIK SUDHAKAR BAMBAL	28
33	KHUSHEE UDELAL PARDHI	22
34	KHUSHI ASHOK GHATE	21
35	KHUSHI MANOJ BHAGAT	23
36	KOMAL KAILASH PATIYE	25
37	KRUNAL AJAY KUHITE	28
38	LEENA MURLIDHAR YENKAR	27
39	MAHIMA RAJENDRA BHASMOTE	24
40	MAI RAMDAS BANSOD	15
41	MANAS SHAIENDRA KOKATE	11
42	MOIN ABDUL WAHID KHAN	15
43	MUGHEES UR SHAFIQR RAHMAN ANSARI	19
44	MUSHFIQUE MEHBOOB ALI	20
45	NAMRATA PRAMOD THAWARE	21
46	NANDINI PRAVINSINGH SURYAWANSHI	23
47	NANDINI VIJAYRAO KHANDARE	24
48	NAYANI SUNIL BORKAR	25
49	NEHA VIJAY VAIDYA	18
50	NIDHI KOMAL CHANDEL	12
51	NIKITA SATISH WARATKAR	11
52	NILESH HIRJI SHAHARE	18
53	NISARGA SANJAY HADKE	20

54	NITESH NEHARULAL PATRE	25
55	OM PANKAJ THORAT	26
56	PAWAN HOMRAJ SATPUTE	28
57	PAWANKUMAR RAMKISHOR GOKHE	22
58	PAYAL JAYENDRA AMBULE	21
59	PIYUSH CHANDRAMANI KHANDEKAR	23
60	PRACHI DNYANESHWAR BARDE	25
61	PRACHI MAHESH HULKE	28
62	PRAJWAL ASHOKRAO CHAUDHARI	27
63	PRANALI PRABHAKAR NAGPURE	24
64	PRANAY VAISRAJ GEDAM	15
65	PRANJAL RAJESH AMBULKAR	11
66	PRANJALI CHANDRAKANT KATRE	15
67	PRASHANT KISANAJI HIRUDKAR	19
68	PRATHMESH SHRAWAN ZADE	20
69	PRATIK TULSHIRAM BHUJADE	21
70	PRITI BIJENDRA PANDEY	23
71	PUJAN SANJAY SHAHARE	24
72	PUSHPAK ANIL TAMBULKAR	25
73	RAJNI MANOJRAO PISE	18
74	REHAN SHAHEJAD FARUKI	12
75	RISHITA ASHOK RAUT	11
76	RUCHIKA SHANKAR MESHRAM	18
77	RUPESH RAJENDRA GHUMARE	20
78	SAGAR SUNIL KALBANDHE	25
79	SAHIL GANESH BHEDE	26
80	SAHIL RAVINDRA CHOUDHARI	28
81	SAMIKSHA NARENDRA NAKSHANE	22
82	SAMIKSHA PRAKASH DUPARE	21
83	SANCHALI RAMKRUSHNA DHOTE	23
84	SANJANA VINOD WELE	25

85	SANKET KISHOR TIKHADE	28
86	SARANG NARENDRA BURDE	27
87	SARVESH RAMESH SAHARE	24
88	SAURABH GANESH GAIKWAD	15
89	SAYYAM SHYAMKUMAR CHICKHEDE	11
90	SHARDUL SUDHIR GARADE	15
91	SHIVAM RAMESH NACHANKAR	19
92	SHRAVANI VINOD DESHMUKH	20
93	SHREYA LAHU WAGH	21
94	SHRUSTI RAJESH RAMTEKE	23
95	SHWETA BALKRUSHNA BADKHAL	24
96	SIDDHESH SUBHASH GUHE	25
97	SNEHA SANDIP WASNIK	18
98	SNEHAL RAVINDRA RAJGE	12
99	TANMAY PREMGOPAL MALGHATE	11
100	TANUSHREE RAM JAULKAR	18
101	TANUSHREE REVNATH KOLHEKAR	20
102	TANVI DINESH TURKAR	25
103	TANVI RAJEEV DEDHE	26
104	TEJAS DNYANESHWAR WANKHEDE	28
105	TEJASWINI PUNDLIK YEKUDE	22
106	TRINKAL SANJAY DHALE	21
107	TRUPTI ASHOK PATLE	23
108	TULSI UMAKANT MALGHATE	25
109	TUSHAR BHAUJI BAGADE	28
110	VAIBHAVI CHANDRASHEKHAR MESHRAM	27
111	VAIBHAVI DHANPAL PATLE	24
112	VAISHALI MADHUKAR CHAUDHARI	15
113	VAISHNAVI SUNIL GAIKWAD	11
114	VAISHNAVI VINOD MAHAKALKAR	15
115	VANSHIKA ARUN KHANDATE	19

116	VIKAS NAMDEO SANAP	20
117	YASH NARESH SONBARSE	21
118	YASH PRAVIN KHARABE	23
119	YASHASHREE RAMESHRAO PADWE	24
120	Shlok Yadav	22
121	Anurag Mishra	21



Signature of the Teacher



**Head
Department of Computer Science**



Professor & Head
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Congress Nagar, Nagpur

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
Bachelor of Computer Application (B.C.A) (Semester-II)
Operation Resarch-I, Paper-IV
UNIT TEST on Unit III - IV**

[Time: 45 min.]

[Maximum Marks: 30]

UNIT-III

QUE. 1. SOLVE ANY THREE

- | | |
|--|---|
| Explain North-West corner method for Transportation problem. | 5 |
| Give the methodology of operation research. | 5 |
| Define Linear Programming problem. | 5 |
| Define General Linear Programming Problem. | 5 |

UNIT-IV

QUE. 1. SOLVE ANY THREE

- | | |
|--|---|
| 1. Explain Simplex algorithm. | 5 |
| 2. Explain Vogel's approximation method for transportation problem. | 5 |
| 3. What do you mean by unbalanced transportation problem? How will you balance it? | 5 |
| 4. What are limitations of graphical method? | 5 |



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Academic Session 2020-2021
Bachelor of Computer Application (B.C.A) (Semester-III)
Sub-Webtechnology-I
Result of Unit Test Held on 11-9-20
UNIT TEST on Unit I ,UNIT-II

Name of Teacher-**Manisha Kongre**

Sr. No.	Name	Marks out of 30
1	Aakansha Gajanan Thakare	10
2	Aarti Shivram Tiwari	11
3	Aayush Vinod Satpute	AB
4	Abhishek Rajendra Bangre	18
5	Achal Kiran Kharabe	20
6	Ajit Dasaram Shende	11
7	Alok Kuwarlal Jamaiwar	13
8	Aman Mukesh Raut	15
9	Anurag Rajesh Ganjare	17
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11	Arya Vipin Vairagare	13
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14	Atharva Subhash Gaurihar	23
15	Avinash Sanjayrao Thakare	20
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17	Batul Mufazzal Fidvi	15
18	Bharat Manohar Kamble	13
19	Bhedika Sanjay Gotaphode	17
20	Chaitanya Shyam Vibhute	AB
21	Deepali Sunil Choudhari	20
22	Dhanashree M. Bhatgare	AB
23	Dhanashri Sanjay Hulkey	12
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92	Tejas Sheshrao Thakre	AB
93	Tejas Taresh Sakharkar	23
94	Tejaswini R. Hinganekar	11
95	Urshala Darshan Arora	22
96	Vaishnavi S. Shastrakar	22
97	Vaishnavi S. Manmode	AB
98	Vedant Ajay Deorankar	24
99	Vinay Dilip Bisane	AB
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108	Yash Vasanta Gomkale	10
109	Yash Vijayrao Gomase	23
110	Yash Yuvraj Atkare	23
111	Yogesh P. Meshram	20

(Handwritten Signature)

Signature of the Teacher

(Handwritten Signature)

**Head
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Congress Nagar, Nagpur

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
Bachelor of Computer Application (B.C.A) (Semester-III)
Paper- V
WEB-TECHNOLOGY-I
UNIT TEST on Unit I - II**

[Time: 45 min.]

[Maximum Marks: 30

Q.1 UNIT-I

Solve Any Three

- A.** What is internet ? Explain the working of internet [05]
B. What is search engine ? What are its categories ? [05]
C Explain web browsers and web servers. [05]
D. Define HTTP. What is HTTP request and HTTP response ? [05]

UNIT-II

Solve Any Three

- A** Explain the uses of directories and menu lists [05]
B. What are the different manipulations that can be done on text and paragraph ? [05]
C. Write short notes on :—
(i) Paired and Unpaired tags.
(ii) Superscripts and subscripts [05]
D. Explain the uses of linking of pages [05]



Signature of the Teacher



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Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
Bachelor of Computer Application (B.C.A) (Semester-III)
Sub-Webtechnology-I
Result of Unit Test Held on 11-10-20
UNIT TEST on Unit III ,UNIT-IV

Name of Teacher-Manisha Kongre

Sr. No.	Name	Marks out of 30
1	Aakansha Gajanan Thakare	10
2	Aarti Shivram Tiwari	11
3	Aayush Vinod Satpute	ABSENT
4	Abhishek Rajendra Bangre	18
5	Achal Kiran Kharabe	20
6	Ajit Dasaram Shende	22
7	Alok Kuwarlal Jamaiwar	22
8	Aman Mukesh Raut	26
9	Anurag Rajesh Ganjare	22
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17	Batul Mufazzal Fidvi	15
18	Bharat Manohar Kamble	13
19	Bhedika Sanjay Gotaphode	17
20	Chaitanya Shyam Vibhute	AB
21	Deepali Sunil Choudhari	20
22	Dhanashree M. Bhatgare	AB
23	Dhanashri Sanjay Hulkey	12

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35	Jagdish Balaji More	22
36	Kaushik Bharat Borkute	23
37	Khushal Sanjay Goje	AB
38	Kirti Omrao Tulshikar	26
39	Kunal Mahesh Kaushik	27
40	Lalit Madhav Shete	13
41	Manish Hemraj Khairkar	16
42	Mitali Ajay Bonde	16
43	Mohit Vijay Kashyap	17
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45	Nayanshree Deepak Daf	AB
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49	Nurjahan Shaukat Ali	23
50	Pavan N. Pandrangi	22
51	Piyush Pandurang Ghate	26
52	Pooja Murlidhar Shende	27
53	Prachi Vinod Chauhan	24
54	Pranjal M. Manchalwar	22
55	Prasad Vinay Nirale	26

56	Prathamesh Dharmadhikari	26
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76	Sejal Prakash Khelkar	23
77	Shalini Dinesh Ganvir	22
78	Shashwat Haribhau Shinde	12
79	Shraddha D. Kumbhre	AB
80	Shreyash Umakant Urkude	15
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87	Swapnil Sanjay Parkhi	22

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89	Tanaya M. Kshirsagar	AB
90	Tanmay Sunil Khedikar	26
91	Tanoj Khushilal Baghele	AB
92	Tejas Sheshrao Thakre	12
93	Tejas Taresh Sakharkar	23
94	Tejaswini R. Hinganekar	11
95	Urshala Darshan Arora	22
96	Vaishnavi S. Shastrakar	22
97	Vaishnavi S. Manmode	23
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104	Vishrut Ganesh Bhoyar	20
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106	Yash Sudhakar Bobade	AB
107	Yash Sunil Sewatkar	28
108	Yash Vasanta Gomkale	10
109	Yash Vijayrao Gomase	AB
110	Yash Yuvraj Atkare	23
111	Yogesh P. Meshram	20

M. K. K. R.

Signature of the Teacher

[Handwritten Signature]

**Head
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Shri Shivaji Education Society Amravati's
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Academic Session 2020-2021
Bachelor of Computer Application (B.C.A) (Semester-III)
Paper- V
WEB-TECHNOLOGY-I
UNIT TEST on Unit III - IV

[Time: 45 min.]

[Maximum Marks: 30

Q.1 UNIT-III

Solve Any Three

- A. What is hidden message ? Explain [05]
B. What is e-mail ? How can you create your own e-mail account ? Write the steps [05]
C. What is DHTML ? What are the features of DHTML. [05]
D. What is e-mail ? How can you create your own e-mail account ? Write the steps [05]

UNIT-IV

Solve Any Three

- A What is CSS ? Explain steps to create style sheets [05]
B. Explain various font attributes used in CSS. [05]
C. How can we apply classes to other document parts ? Explain with example. [05]
D. What are length, absolute and relative units [05]



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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Computer Science
BCA II Semester-III (2020-21)
DIGITAL ELECTRONICS—I Paper—VI**

**Result of Unit Test held on 06/09/2020 on Unit I & Unit II
Name of the teacher: Amruta J. Thakur**

S.N.	Name of Students	Marks Out of 30 Unit 1 and 2
1.	Aakansha Gajanan Thakare	20
2.	Aarti Shivram Tiwari	21
3.	Aayush Vinod Satpute	16
4.	Abhishek Rajendra Bangre	17
5.	Achal Kiran Kharabe	20
6.	Ajit Dasaram Shende	21
7.	Alok Kuwarlal Jamaiwar	22
8.	Aman Mukesh Raut	25
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14.	Atharva Subhash Gaurihar	24
15.	Avinash Sanjayrao Thakare	16
16.	Ayush Nandesh Dhakne	09
17.	Batul Mufazzal Fidvi	11
18.	Bharat Manohar Kamble	16
19.	Bhedika Sanjay Gotaphode	18
20.	Chaitanya Shyam Vibhute	20
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34.	Ishant Vasanta Sontakke	09
35.	Jagdish Balaji More	11
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95.	Urshala Darshan Arora	29
96.	Vaishnavi S. Shastrakar	AA
97.	Vaishnavi S. Manmode	AA
98.	Vedant Ajay Deorankar	02
99.	Vinay Dilip Bisane	13
100.	Vineeta Ganesh Pawar	AA
101.	Vipul Holendra Bisen	AA
102.	Viraj Ganpat Masulkar	11
103.	Vishal Kunjilal Pardhi	12
104.	Vishrut Ganesh Bhoyar	15
105.	Vivek Mulchand Kukade	22
106.	Yash Sudhakar Bobade	AA
107.	Yash Sunil Sewatkar	07
108.	Yash Vasanta Gomkale	12
109.	Yash Vijayrao Gomase	14
110.	Yash Yuvraj Atkare	AA
111.	Yogesh P. Meshram	AA



Signature of the Teacher



**Head
Department of Computer Science**



Professor & Head
Department of Computer Science
S. S. E. S. Am's Science College,
Congress Nagar, Nagpur

**Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2020-2021
BCA II Semester-III
DIGITAL ELECTRONICS—I Paper—VI
UNIT TEST on Unit I & Unit II**

Time: 45 min

[Maximum Marks: 30]

1. Solve any three questions:

- (a) What is base or radix of number system ? Explain hexadecimal number system with examples.
- (b) Do as directed :
- (i) $(1FA2)_{16} = (?)_2$
- (ii) $(341)_8 = (?)_{16}$
- (c) What is Excess-3 Code ? What are its advantages ? Perform the following addition using Excess-3 Code : $41 + 38$
- (d) What is Parity ? What are its types ? Explain how it can be used for error checking.

2. Solve any three questions:

- (a) Explain how negative numbers are represented in binary with suitable example.
- (b) Perform the following subtraction using 1's complement method : (i) $(10101)_2 - (10010)_2$
(ii) $(10110)_2 - (1111)_2$.
- (c) What do you mean by underflow and overflow ? Explain it with example.
- (d) What is 2's complement of a number ? Perform the following subtraction using 2's complement method : $(11000)_2 - (11100)_2$



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**SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.**

**Department of Computer Science
BCA II Semester-III (2020-21)
DIGITAL ELECTRONICS—I Paper—VI**

Result of Unit Test held on 12/11/2020 on Unit III & Unit IV

S.N.	Name of Students	Marks Out of 30 Unit 1 and 2
1.	Aakansha Gajanan Thakare	AA
2.	Aarti Shivram Tiwari	AA
3.	Aayush Vinod Satpute	16
4.	Abhishek Rajendra Bangre	17
5.	Achal Kiran Kharabe	20
6.	Ajit Dasaram Shende	21
7.	Alok Kuwarlal Jamaiwar	22
8.	Aman Mukesh Raut	25
9.	Anurag Rajesh Ganjare	16
10.	Anushka Anil Shivanand	18
11.	Arya Vipin Vairagare	19
12.	Asang Purvesh Nandeshwar	21
13.	Atharva L. Ambekar	20
14.	Atharva Subhash Gaurihar	24
15.	Avinash Sanjayrao Thakare	16
16.	Ayush Nandesh Dhakne	9
17.	Batul Mufazzal Fidvi	11

18.	Bharat Manohar Kamble	16
19.	Bhedika Sanjay Gotaphode	18
20.	Chaitanya Shyam Vibhute	20
21.	Deepali Sunil Choudhari	21
22.	Dhanashree M. Bhatgare	16
23.	Dhanashri Sanjay Hulkey	17
24.	Dhanshree G Pawade	20
25.	Digvijay Sanjay Rao Dahikar	21
26.	Diksha Nandkishor Manekar	22
27.	Divya Sudhakar Pawar	25
28.	Divya Bhumeshvar Katre	16
29.	Gauri Induram Wanare	18
30.	Harsh S. Vishwakarma	19
		21
31.	Harshal N Asampelli	20
32.	Harshali Sambhaji Kale	24
33.	Himanshu Suresh Badre	16
34.	Ishant Vasanta Sontakke	9
35.	Jagdish Balaji More	11
36.	Kaushik Bharat Borkute	16
37.	Khushal Sanjay Goje	18
38.	Kirti Omrao Tulshikar	20
39.	Kunal Mahesh Kaushik	21
40.	Lalit Madhav Shete	16
41.	Manish Hemraj Khairkar	17
42.	Mitali Ajay Bonde	20
43.	Mohit Vijay Kashyap	21
44.	Mokshada R. Dapewar	22
45.	Nayanshree Deepak Daf	25
46.	Nikita Manoj Gadve	16
47.	Nishant Sandip Itankar	18
48.	Nishtha Rakesh Martha	19
49.	Nurjahan Shaukat Ali	21
50.	Pavan N. Pandrangi	20
51.	Piyush Pandurang Ghate	24

52.	Pooja Murlidhar Shende	16
53.	Prachi Vinod Chauhan	9
54.	Pranjal M. Manchalwar	11
55.	Prasad Vinay Nirale	16
56.	Prathamesh Dharmadhikari	18
57.	Prathmesh R. Kurumkar	20
58.	Pratik Manoj Netke	21
59.	Prayank Anil Lanjewar	16
60.	Radhika Umesh Deshkar	17
61.	Rahul V Bodhankar	20
62.	Rajnikant R. Parate	21
63.	Reshma N. Bhagatkar	22
64.	Ria Shailesh Saxena	25
65.	Ritesh Pradeep Dafale	16
66.	Ritik Balesh Kakde	18
67.	Roshni Babbu Shukla	19
68.	Rupam Tarurendra Dubey	21
		20
69.	Rupam Tekram Katre	24
70.	Sahil Vijay Burde	16
71.	Sakshi Kishor Dhomane	9
72.	Sakshi Surendra Ladkar	11
73.	Samiksha Sanjay Shingode	16
74.	Sanskriti Sanjay Bhokre	18
75.	Sarvesh Nanaji Sangolkar	20
76.	Sejal Prakash Khelkar	21
77.	Shalini Dinesh Ganvir	16
78.	Shashwat Haribhau Shinde	17
79.	Shraddha D. Kumbhre	20
80.	Shreyash Umakant Urkude	21
81.	Shruti Surendra Khoware	22
82.	Shruti Y. Nagardhankar	25
83.	Shubham M. Tiwari	16
84.	Sojwal Dinesh Dangre	18
85.	Sonal Umesh Bitale	19
86.	Suraj P. Khamankar	21
87.	Swapnil Sanjay Parkhi	20
88.	Swati Narsh Sayam	24

89.	Tanaya M. Kshirsagar	16
90.	Tanmay Sunil Khedikar	9
91.	Tanoj Khushilal Baghele	11
92.	Tejas Sheshrao Thakre	16
93.	Tejas Taresh Sakharkar	18
94.	Tejaswini R. Hinganekar	18
95.	Urshala Darshan Arora	29
96.	Vaishnavi S. Shastrakar	AA
97.	Vaishnavi S. Manmode	AA
98.	Vedant Ajay Deorankar	2
99.	Vinay Dilip Bisane	13
100.	Vineeta Ganesh Pawar	AA
101.	Vipul Holendra Bisen	AA
102.	Viraj Ganpat Masulkar	11
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UNIT TEST on Unit III & Unit IV**

Time: 45 min

[Maximum Marks: 30]

1. Solve any three questions:

- (a) Explain AND gate ,OR and NOT gate using logic symbol and truth table.
- (b) Explain the construction and working of Ex-OR gate using basic gate. Give its logical symbol also.
- (c) Construct the following gate using NOR gate exclusively : (i) NAND (ii) OR (iii) Ex-NOR
- (d) What is positive and negative logic ? Explain AND gate and OR gate and give their symbol and logical expression.

2. Solve any three questions:

- (a) State and prove : (i) Associative law (ii) Distributive law.
- (b) What is K-map ? Simplify the following equation using K-map : $f(A, B, C) = \sum m(1, 4, 5, 6)$
- (c) State and prove the De-Morgan's theorem for three variables.
- (d) Simplify the following expression using K-map and draw the logical circuit for the simplified expression : $f(A, B, C, D) = ABCD + A BCD + ABCD + ABCD + ABCD + ABCD .$



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