SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE,CONGRESS NAGAR,NAGPUR.
BCAIISemester-III(2019-2020)
Visual Basic Programming Paper-I
Result of UnitTest held on 14/9/2019 on Unit I and Unit II
Name of the teacher: Shrutika V. Lokhande

Sr. No.	Name	Marks out of30 in Unit I-II
1	ABHISHEK D. BHANARKAR	16
2	BALKISHAN N. PALIWAL	24

Signature of the Teacher

Head
Department of Computer Science

Professor & Head
Department of Computer Science
S.S.E.S. Amt's Science College.
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)
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.What is event driven programming? What are the features of vb?   5
2. What is menubar and project explorer window in detail.   5
3.Explain different operator supported by VB.   5
4. What is variables? Explain Implicit and Explicit declaration of variables.   5

UNIT-II

QUE. 2. SOLVE ANY THREE QUESTIONS:

1.Differentiate between subroutine and function.   5
2.Explain: i) Form module ii)Standard module   5
3.What are the different date functions used in vb.   5
4.Explain the different conversion functions used in visual basic   5

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SCIENCE COLLEGE,CONGRESS NAGAR,NAGPUR.
BCAIISemester-III(2019-2020)
Visual Basic Programming Paper-I
Result of UnitTest held on 23/11/2019 on Unit III and Unit IV
Name of the teacher: Puja M. Dadhe

Sr. No.	Name	Marks out of30 in Unit I-II
1	ABHISHEK D. BHANARKAR	20
2	BALKISHAN N. PALIWAL	28

Signature of the Teacher

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S.S.E.S. Amt's Science College,
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)
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. Write a program in VB to create menu.(File menu with 5 options)   5
2. Explain VDM in detail.   5
3. Explain data control events and properties with suitable example.   5
4. Explain DAO, RDO and ADO.   5

UNIT-IV

QUE. 2. SOLVE ANY THREE QUESTIONS:

1. What is an Error object? Explain.   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. Write short notes on Error Trapping and Error Handling.   5

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SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE,CONGRESS NAGAR,NAGPUR.
BCA II Semester-III(2019-20)
SUBJECT Paper-II
Result ofUnit Test held on 27/09/2019 on
Unit I and UNIT II

Name of the teacher:V.C.pande

Sr. No.	Name	Marks outof30
1.	ABHISHEK .D.BHANARKAR	15
2.	BALKISHAN .N. PALIWAL	25

Signature of the Teacher   **Head of Department**

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

UNIT TEST

Time: 45 min.]   **[MaximumMarks: 30**

UNIT-I
QUE. 1. SOLVE ANY THREE
(A) Explain the different problems with traditional file processing system. ?   5
(B) What are the different components of DBMS ?   5
(C) What is Data Model ? Explain in brief the various types of data models.   5
(D) What are the functions of database administrator ?   5

UNIT- II
QUE. 2. SOLVE ANY THREE

(A) What is an E-R Model ? Explain the different symbols used in E-R model. ?   5
(B) Explain generalization with suitable example.?   5
(C) Consider the following entities :   5
STUDENT : student_no, student_name, specialization
ENROLLMENT : student_no, subject_code, marks
FACULTY : faculty_no, faculty_name, department
SUBJECT : subject_code, subject_name, max_marks
(D) What is BCNF ?   5

Signature of the Teacher   **Head of Department**

SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCECOLLEGE,CONGRESSNAGAR,NAGPUR.
BCA II Semester-III (2019-20)
SUBJECT Paper-II
Result of Unit Test held on 15/ 10/2019on
Unit III and UNIT IV
Name of the teacher:V.C.pande

Sr. No.	Name	Marks outof30
1.	ABHISHEK .D.BHANARKAR	10
2.	BALKISHAN .N. PALIWAL	12

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Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
Bachelor of computer Application (BCA) (Semester-II)
Paper-II
(SUBJECT DBMS)

UNIT TEST

Time: 45 min.]   **[MaximumMarks: 30**

UNIT-III
QUE. 1. SOLVE ANY THREE
(A) Define cursor. Explain the use of explicit cursor with the help of a code.   5
(B) What are predefined exceptions ? Explain.   5
(C) What is exception ? Explain the syntax of handling exception in PL/SQL.   5
(D) Write a procedure to find the maximum of two numbers.   5

UNIT- IV
QUE. 2. SOLVE ANY THREE

(a) Discuss structure of relational databases.?   5
(b) Consider the following schema of a relational database :   5
employee (emp__no., name, address)
(c) Write a short note on tuple relational calculus. ?   5
(d) Explain Cartesian product operation with suitable example?   5

Signature of the Teacher   **Head of Department**

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

Bachelor of Computer Application
B.C.A. II Semester-III (2019-20)

Data Structure Paper-III
Result of Unit Test held on 15/09/2020 on Unit I & II

Name of the teacher: Dr. Varsha Pande

Sr. No	Name of the Students	Marks out of 30
1	ABHISHEK D. BHANARKAR	25
2	BALKISHAN N. PALIWAL	15

Signature of the Teacher

Head
Department of Computer Science

[TIME:48 MIN]   **[MARKS:30]**

UNIT I

Que 1. Solve any three

1. How polynomial expression can be represented using linked list .   5

2. Write an algorithm to insert a node at the end of linked list.   5

3. Write an algorithm to search an element in a linked list.   5

4. What is Linked List ? What are the types of linked list ?   5

UNIT II

Que 2. Solve any three

1. Write a recursive algorithm for Tower of Hanoi Problem.   5

2. Write an algorithm to convert Infix expression to Postfix expression.   5

3. Explain Quicksort method with suitable example.   5

4.) Write an algorithm to insert and remove the element from stack.

Signature of the Teacher   **Head**
                                                      Department of Computer Science

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

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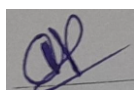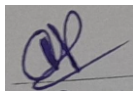
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR
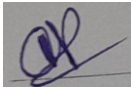
Bachelor of Computer Application
B.C.A. II Semester-III (2019-20)
Data Structure Paper-III
Result of Unit Test held on 15/09/2020 on Unit I & III
Name of the teacher: Dr. Varsha Pande

Sr. No	Name of the Students	Marks out of 30
1	ABHISHEK D. BHANARKAR	25
2	BALKISHAN N. PALIWAL	15

Signature of the Teacher

Head
Department of Computer Science

[TIME:48 MIN]   **[MARKS:30]**

UNIT III
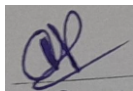
Que 1. Solve any three

1. What is Hashing ? Explain collision resolution technique.   5

2. Write an algorithm to remove the element from circular queue.   5

3. What is a Queue ? Explain array representation of queue in memory.   5

4. Write an algorithm to insert element in circular queue.   5

UNIT IV

Que 2. Solve any three

 1. Write an algorithm for preoder traversal of Binary Tree.   5

  2. Explain :   5

Graphs.

Multigraphs.

3.Explain BSF traversing on graphs.   5

4. What is Tree ? Explain the concept of Binary Search Tree.   5

Signature of the Teacher   **Head**
                                        Department of Computer Science

SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI'S
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.
BCA-II Semester-II (2019-20)
Operation Research-I Paper-IV
Result of Unit Test held on 29/9/2019 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
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120	Shlok Yadav	22
121	Anurag Mishra	21

Signature of the Teacher

Head
Department of Computer Science

Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
Bachelor of Compuiter 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

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.
BCA II Semester-II (2019-20)
Operation Research-I Paper-IV
Result of Unit Test held on 20/10/2019 on
Unit III and Unit IV

Name of The Teacher: -A.U. Bansinge

Sr. No.	Name	Marks out of 30
1	AACHAL RAJNAND ARVERKAR	18
2	AAYUSH RAJENDRA TAREKAR	12
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Signature of the Teacher

Head
Department of Computer Science

Shri Shivaji Education Society Amravati's
Science College, Congress Nagar, Nagpur
Academic Session 2019-2020
Bachelor of Compuiter 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	5
you balance it?	5
4. What are limitations of graphical method?	5

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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
Unit Test Held on 16-2-19
UNIT TEST on Unit I ,UNIT-II

Name of Teacher-Manisha Kongre

Sr. No.	Name	Marks out of 30 UNIT-I&UNIT-II
1	ABHISHEK D. BHANARKAR	20
2	BALKISHAN N. PALIWAL	21

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

[Time: 45 min.]   **[Maximum Marks: 30**

Q.1 UNIT-I

Solve Any Three

A.	What are the requirements for connecting to Internet ?	[05]
B.	What is search engine ? What are its catagories ?.	[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.	Explain the terms : (i) Length Unit (ii) Relative Unit (iii) Pixel Unit	[05]
D.	Explain the uses of linking of pages	[05]

Signature of the Teacher   **Head**
                                          Department of Computer Science

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
Unit Test Held on 16-10-19
UNIT TEST on Unit III ,UNIT-IV

Name of Teacher-Manisha Kongre

Sr. No.	Name	Marks out of 30
1	ABHISHEK D. BHANARKAR	20
2	BALKISHAN N. PALIWAL	AB

Signature of the Teacher

Head
Department of Computer Science

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

[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 keyword as value ?   **[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]**

Signature of the Teacher   **Head**
                                       Department of Computer Science

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

Department of Computer Science
BCA II Semester-III (2019-20)
DIGITAL ELECTRONICS—I Paper—VI

Result of Unit Test held on 13/09/2019 on Unit I & Unit II

SN	Name of Students	Marks Out of 30 Unit 1 & 2
1.	ABHISHEK D. BHANARKAR	12
2.	BALKISHAN N. PALIWAL	26

Signature of the Teacher

Head
Department of Computer Science

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SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR.

Department of Computer Science
BCA II Semester-III (2019-20)
DIGITAL ELECTRONICS—I Paper—VI
Unit I and 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) $(341)8 = (?) 16. 5$

(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) $(10110) – (1111)2$.

(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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Department of Computer Science
BCA II Semester-III (2019-20)
DIGITAL ELECTRONICS—I Paper—VI

Result of Unit Test held on 23/11/2019 on Unit III & Unit IV

S N	Name of Students	Marks Out of 30 Unit 3 & 4
1	ABHISHEK D. BHANARKAR	12
2	BALKISHAN N. PALIWAL	26

Signature of the Teacher

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Department of Computer Science
BCA II Semester-III (2019-20)
DIGITAL ELECTRONICS—I Paper—VI
Unit III and 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 : $f(A, B, C) = \text{Sm} (1, 4, 5, 6)$
(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 : $f(A, B, C, D) = ABCD + A BCD + ABCD + ABCD + ABCD + ABCD$.

Signature of the Teacher   **Head**
                                                        Department of Computer Science