Department of Computer Science
MCA –I Semester-I (2019-2020)
Computer Organization and Architecture
Paper-I
Results of   Unit test – I, II and III

Name of Faculty: Mr. A.A.Bodkhe
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit I , II & III)
1	Sadnyesh S. Masurkar	15

Signature of the Teacher

Head
Department of the Computer Science

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

Computer Organization and Architecture
Paper-I
Unit Test-1 on Unit-I Unit-II and Unit-III

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

A. What is an Instruction ? How instruction set is classified ? Explain with suitable example.   8

B. What is Instruction cycle ? Explain execution cycle and also draw its timing diagram .   8
      OR
C. Explain in detail the super scalar processor.   8
D. Draw the block diagram of datapath portion of instruction cycle and explain the function of each block.   8

Q2. Answer the Following (Any 1)   **Marks: 4**

   A .Explain the terms :   4

      (i) Displacement Addressing

      (ii) Base-Register Addressing

   B. Explain the concept of pipelining in detail.   4

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

SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR
Master in Computer Application (MCA) Semester-I
Department of Computer Science
MCA –I Semester-I (2019-2020)
Computer Organization and Architecture
Paper-I
Results of   Unit test – III , IV and V

Name of Faculty: Mr. A.A.Bodkhe
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit III , IV& V)
1	Sadnyesh S. Masurkar	12

Signature of the Teacher

Head
Department of the Computer Science

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

Computer Organization and Architecture
Paper-I
Unit Test-2 on Unit-III Unit-IV and Unit-V

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

   A. Classify the memory on the basis of storage and speed. Explain.   8
   B.   Explain memory array organization.   8
                  OR
   C. What is priority interrupts ? Draw the block diagram of daisy chain priority
       interrupts and explain.   8
   D. (B) What are the different types of buses ? Explain in detail.   8

Q2. Answer the Following (Any 1)   **Marks: 4**

  A. Design a memory map for 4 KB RAM and 6KB ROM, available chips are as follows :

    (1) 2 KB RAM (2 No.)

    (2) 2 KB ROM (3 No.)   4

  B. What are the different data transfer techniques ? Explain any one in detail.   4

Signature of the Teacher

                          Head
          Department of the Computer Science

SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR
Master in Computer Application (MCA) Semester-I
Department of Computer Science
MCA –I Semester-I (2019-2020)
Object Oriented Programming using C++
Paper-II
Results of   Unit test – I, II and III

Name of Faculty: M.A.Chinchmal
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit I , II & III)
1	Sadnyesh S. Masurkar	15

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

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

Object Oriented Programming using C++
Paper-II
Unit Test-1 on Unit-I Unit-II and Unit-III

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   Marks: 16

  A. Write short notes on :
         (i) Assembly Language
         (ii) High Level Language.   8
  B. Write an algorithm and draw a flowchart to calculate Fibonacci series for n numbers. 8
              OR
  C. Explain basic concepts of OOPs and its applications.   8
  D. Discuss different data types in C++. Write a program to find average of ten numbers. 8

Q2. Answer the Following (Any 1)   Marks: 4

  A. Explain the following : assembler, compiler, interpreter and linker.   4

  B. Explain :

         (i) Enumerated data type

         (ii) Manipulators.   4

Signature of the Teacher

Head
Department of the Computer Science

Department of Computer Science
MCA –I Semester-I (2019-2020)
Object Oriented Programming using C++
Paper-II
Results of   Unit test – III , IV and V

Name of Faculty: M.A.Chinchmal

Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit III , IV& V)
1	Sadnyesh S. Masurkar	10

Signature of the Teacher

Head
Department of the Computer Science

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

SEAL

Object Oriented Programming using C++
Paper-II
Unit Test-2 on Unit-III Unit-IV and Unit-V

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

   A. Describe inline function in C++ with example.   8
   B. Explain class and object with suitable example. Write a program to find a
       factorial of a number using class and object.   8

      OR
   C. Write a program in C++ to demonstrate the use of constructor and destructor.   8
   D. What does inheritance means in C++ ? What are different forms of inheritance ?
       Explain each with example.   8

Q2. Answer the Following (Any 1)   **Marks: 4**

   A. Explain function overloading with suitable example.   4

   B. Explain operator overloading. Explain rules for operator overloading.   4

Signature of the Teacher

Head
Department of the Computer Science

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

Department of Computer Science
MCA –I Semester-I (2019-2020)
Operating System
Paper-III
Results of   Unit test – I, II and III

Name of Faculty: A.Sheikh

Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit I , II & III)
1	Sadnyesh S. Masurkar	13

Signature of the Teacher

Head
Department of the Computer Science

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

Operating System
Paper-III
Unit Test-1 on Unit-I Unit-II and Unit-III

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

    A. Explain in brief about Memory Management.   8
    B. What is Operating System ? Explain operating system as an extended machine.   8

       OR

    C. Define Threads. State the implementation of threads in user space and kernel space. 8
    D. Explain producer — consumer problem in detail.   8

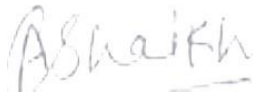## Q2. Answer the Following (Any 1)   **Marks: 4**

    A Explain :

        (i) Monolithic Systems

        (ii) Layered Systems.   4

    B. Explain any two scheduling algorithm with suitable example.   4

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

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

Department of Computer Science

MCA –I Semester-I (2019-2020)

Operating System
Paper-III
Results of   Unit test – III , IV and V

Name of Faculty: A.Sheikh

Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit III , IV& V)
1	Sadnyesh S. Masurkar	10

Signature of the Teacher

Head
Department of the Computer Science

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

Operating System
Paper-III
Unit Test-2 on Unit-III Unit-IV and Unit-V

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**
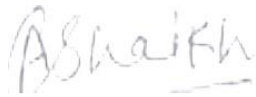
   A. What is meant by shared files ? Explain in brief.   8
   B. Explain memory mapped files in detail.   8

     OR
   C. Explain different security aspects of UNIX.   8
   D. Explain the implementation of input as well as output in UNIX.   8

Q2. Answer the Following (Any 1)   **Marks: 4**

   A. Explain in detail MS-DOS file system   4

   B. Explain kernel structure in detail.   4

Signature of the Teacher   **Head**
                                            Department of the 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
Master in Computer Application (MCA) Semester-I
Department of Computer Science
MCA –I Semester-I (2019-2020)
Digital Electronics and Microprocessor
Paper-IV
Results of Unit test – I, II and III

Name of Faculty: S.S.Shende
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit I , II & III)
1	Sadnyesh S. Masurkar	8

Signature of the Teacher

Head
Department of the Computer Science

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

Digital Electronics and Microprocessor
Paper-IV
Unit Test-1 on Unit test – I, II and III

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

    A. Explain binary to octal hexadecimal interconversion with example.   8
    B. Explain the weighted and unweighted codes. State the advantages of weighted code. Explain ASCII and EBCDIC in detail.   8

        OR
    C. Explain working of EX-OR and EX-NOR gates.   8
    D. Explain NOR gate as a universal gate.   8

Q2. Answer the Following (Any 1)   **Marks: 4**

    A. Define :
        (i) Range
        (ii) Mantissa
        (iii) Accuracy
        (iv) Exponent   4
    B. Explain 1's complement and 2's complement method of binary subtraction.   4

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

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

Department of Computer Science
MCA –I Semester-I (2019-2020)
Digital Electronics and Microprocessor
Paper-IV
Results of   Unit test – III , IV and V

Name of Faculty: S.S.Shende
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit III , IV& V)
1	Sadnyesh S. Masurkar	5

Signature of the Teacher

Head
Department of the Computer Science

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

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   Marks: 16

  A. Solve by using K-map :
        $f(A, B, C, D) = \Sigma m(1, 2, 3, 4, 6, 10, 12 + d(7, 14))$ 8
  B. What is K-Map ? State the rules required to solve the expression by using K-map. 8

     OR

  C. What is multivibrator ? What are different types of multivibrator ? What are the basic
     components required in the multivibrator circuit ? What is the difference between one   shot
     and free running multivibrator ?   8
  D. What is shift register ? Explain the 3 bit SISO type shift register.   8

Q2. Answer the Following (Any 1)   Marks: 4

  A. State and prove AND laws, OR laws and cummutative property.   4
  B. Explain working of JKMSFF in detail.   4

Signature of the Teacher

Head
Department of the Computer Science

Department of Computer Science
MCA –I Semester-I (2019-2020)
System Analysis and Design
Paper-V
Results of   Unit test – I, II and III

Name of Faculty: J.K.Keche

Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit I , II & III)
1	Sadnyesh S. Masurkar	15

Signature of the Teacher

Head
Department of the Computer Science

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

System Analysis and Design
Paper-V
Unit Test-2 on Unit-I Unit-II and Unit-III

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

   A. What are the different elements of a System ? Explain in detail.   8
   B. Explain the phases of system development life cycle in detail .   8

     OR

   C. What are the issues, problems and limitations in interview ? Explain the advantages of
     interview.   8
   D. How will you conduct an on-site observation ? Lay out a plan and specify the pros and cons
     of this tool.   8

Q2. Answer the Following (Any 1)   **Marks: 4**

   A. What are the roles of users and analyst as they relate to business systems ?   4
   B. What is the fact finding technique ? Explain any two fact finding techniques.   4

Signature of the Teacher

Head
Department of the Computer Science

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

Department of Computer Science
MCA –I Semester-I (2019-2020)
System Analysis and Design
Paper-V
Results of   Unit test – III , IV and V

Name of Faculty: J.K.Keche

Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit III , IV& V)
1	Sadnyesh S. Masurkar	18

Signature of the Teacher

Head
Department of the Computer Science

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

System Analysis and Design
Paper-V
Unit Test-2 on Unit-III Unit-IV and Unit-V

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   Marks: 16

    A. Define cost/benefit determination. Explain any two methods in detail. 8
    B. What are the factors to be considered while designing the good form ?8
        OR
    C. What is test plan ? Explain with one example. 8
    D. Why is quality assurance required ? Explain its different levels.8

Q2. Answer the Following (Any 1)   Marks: 4

    A. What are two control techniques for monitoring system output ? Explain.   4
    B. What is system implementation ? Explain any three methods of system implementation.   4

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

SEM-II (No Students)

SEM-III

Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR
Master in Computer Application (MCA) Semester-III
Department of Computer Science
MCA –II Semester-III (2019-2020)
E-Commerce
Paper-I
Results of   Unit test – I, II and III

Name of Faculty: M.A.Chinchmal
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit I , II & III) (unit III , IV& V)
1	AKANSHA NILESH SALVE	10
2	ANANNYA RAJU RAMTEKE	10
3	ANJALI RAJU KUSHWAHA	14
4	ANUSHRI M. GUDHANE	15
5	APURVA S. KARANKAR	14
6	CHETAN D. CHANNE	AB
7	DIKSHITA PRAMOD PATIL	14
8	KAJAL P. VISHWAKARMA	18
9	MOURVI ASHOK RANGARI	13
10	N. F.K. ALAMANSARI	16
11	POOJA C. UKEY	19
12	PRACHI ASHOK KHAIRKAR	AB
13	PRITTY THOMAS	10
14	PRIYA D. KHAPRE	11

15	RENUKA DINESH PALIWAL	8
16	SHRUTI P. MUKWANE	16
17	S.T.S. ALI SHAUKAT	14
18	VAIBHAV SURESH SILEDAR	12
19	YASHWANTA D. CHANDNE	AB

Signature of the Teacher

Head
Department of the Computer Science

E-Commerce
Paper-I
Unit Test-1 on Unit-I Unit-II and Unit-III

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   Marks:16

   A. What doi you mean by E-Commerce? Explain the assurance service.   8
   B. Explain three pillars structure of E-Commerce with potential benefits
      of E-commerce.   8
   C. What do you mean by domain name? How to avoid domain nam disputes? 8
   D. Discuss traditional EDI system with functions of EDI.   8

Q2. Answer the Following (Any 1)   Marks: 4

    A. Explain the security issues of E- Commerce.   4
    B. What is Cryptography? What are two legal issues regarding Cryptographic key?   4

Signature of the Teacher

Head
Department of the Computer Science

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

Department of Computer Science
MCA –II Semester-III (2019-2020)
E-Commerce
Paper-I
Results of   Unit test – III , IV and V

Name of Faculty: M.A.Chinchmal
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit III, IV & IV)
1	AKANSHA NILESH SALVE	14
2	ANANNYA RAJU RAMTEKE	18
3	ANJALI RAJU KUSHWAHA	13
4	ANUSHRI M. GUDHANE	14
5	APURVA S. KARANKAR	18
6	CHETAN D. CHANNE	13
7	DIKSHITA PRAMOD PATIL	16
8	KAJAL P. VISHWAKARMA	19
9	MOURVI ASHOK RANGARI	14
10	N. F.K. ALAMANSARI	15
11	POOJA C. UKEY	10
12	PRACHI ASHOK KHAIRKAR	12
13	PRITTY THOMAS	15
14	PRIYA D. KHAPRE	14

15	RENUKA DINESH PALIWAL	2
16	SHRUTI P. MUKWANE	Ab
17	S.T.S. ALI SHAUKAT	18
18	VAIBHAV SURESH SILEDAR	13
19	YASHWANTA D. CHANDNE	15

Signature of the Teacher

Head
Department of the Computer Science

E-Commerce
Paper-I
Unit Test-2 on Unit-III Unit-IV and Unit-V

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   Marks: 16

   E. Discuss risk associated with business transaction data transferred between
       trading patners.   8
   F. Write short note on (i) Master file (ii) Reference data   8
   G. What is Firewall ? Explain thye various components of Firewall.   8
   H. Explain impact of virus and malicious code over the E-busines.   8

Q2. Answer the Following (Any 1)   Marks: 4

    A. Differentiate between control weakness and control risk.   4
    B. What is network topology? Discuss factors to consider in firewall design. 4

Signature of the Teacher

Head
Department of the Computer Science

Department of Computer Science
MCA –I Semester-III (2019-2020)
Data Communication & Network.
Paper-II
Results of   Unit test – I , II and III

Name of Faculty: A.Sheikh
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit I , II & III)
1	AKANSHA NILESH SALVE	11
2	ANANNYA RAJU RAMTEKE	8
3	ANJALI RAJU KUSHWAHA	16
4	ANUSHRI M. GUDHANE	14
5	APURVA S. KARANKAR	12
6	CHETAN D. CHANNE	9
7	DIKSHITA PRAMOD PATIL	AB
8	KAJAL P. VISHWAKARMA	19
9	MOURVI ASHOK RANGARI	15
10	N. F.K. ALAMANSARI	10
11	POOJA C. UKEY	11
12	PRACHI ASHOK KHAIRKAR	5
13	PRITTY THOMAS	12
14	PRIYA D. KHAPRE	6

15	RENUKA DINESH PALIWAL	AB
16	SHRUTI P. MUKWANE	11
17	S.T.S. ALI SHAUKAT	8
18	VAIBHAV SURESH SILEDAR	16
19	YASHWANTA D. CHANDNE	14

Signature of the Teacher

Head
Department of the Computer Science

Data Communication & Network.
Paper-II
Unit Test-1 on Unit-I Unit-II and Unit-III

Time: 1 Hrs.   **Marks: 20**
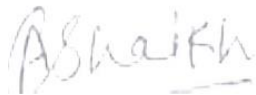
Q1. Answer the Following (Any 2)   **Marks: 16**

E. What is OSI Reference model? Explain in details.   8
F. Explain ISDN In details.   8
G. What is remote procedure ? Explain.   8
H. What is Packet Switching? Explain Packet Switching Principles in detail. 8

Q2. Answer the Following (Any 1)   **Marks: 4**

A. What is Topology? Explain Ring Topology in detail.   4

B. What is Connection Oriented Networking?   4

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

Department of Computer Science
MCA –II Semester-III (2019-2020)
Data Communication & Network.
Paper-II
Results of   Unit test – III , IV and V

Name of Faculty: A.Sheikh
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit III , IV& V)
1	AKANSHA NILESH SALVE	14
2	ANANNYA RAJU RAMTEKE	10
3	ANJALI RAJU KUSHWAHA	12
4	ANUSHRI M. GUDHANE	7
5	APURVA S. KARANKAR	5
6	CHETAN D. CHANNE	14
7	DIKSHITA PRAMOD PATIL	15
8	KAJAL P. VISHWAKARMA	10
9	MOURVI ASHOK RANGARI	12
10	N. F.K. ALAMANSARI	15
11	POOJA C. UKEY	14
12	PRACHI ASHOK KHAIRKAR	2
13	PRITTY THOMAS	15
14	PRIYA D. KHAPRE	Ab

15	RENUKA DINESH PALIWAL	18
16	SHRUTI P. MUKWANE	13
17	S.T.S. ALI SHAUKAT	Ab
18	VAIBHAV SURESH SILEDAR	19
19	YASHWANTA D. CHANDNE	15

Signature of the Teacher

Head
Department of the Computer Science

Data Communication & Network.
Paper-II
Unit Test-2 on Unit-III , Unit-IV and Unit V

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

    A. Explain IDEA in details.   8
    B. What are Virtual Terminals ? Expalin.   8
    C. What is hash function ? Expalin in details.   8
    D. Explain RSA Algorithm in details.   8

Q2. Answer the Following (Any 1)   **Marks: 4**

    A. Write short note on (i) Packet filtering (ii) Firewalls   4
    B. Explain the working of DES in details.   4

Signature of the Teacher

Head
Department of the 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
Master in Computer Application (MCA) Semester-III
Department of Computer Science
MCA –II Semester-III (2019-2020)
Design and Analysis of Algorithm.
Paper-III
Results of   Unit test – I , II and III

Name of Faculty: Mr.A.A.Bodkhe
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit I , II & III)
1	AKANSHA NILESH SALVE	15
2	ANANNYA RAJU RAMTEKE	10
3	ANJALI RAJU KUSHWAHA	12
4	ANUSHRI M. GUDHANE	15
5	APURVA S. KARANKAR	14
6	CHETAN D. CHANNE	AB
7	DIKSHITA PRAMOD PATIL	11
8	KAJAL P. VISHWAKARMA	18
9	MOURVI ASHOK RANGARI	13
10	N. F.K. ALAMANSARI	Ab
11	POOJA C. UKEY	19
12	PRACHI ASHOK KHAIRKAR	15
13	PRITTY THOMAS	10
14	PRIYA D. KHAPRE	11

15	RENUKA DINESH PALIWAL	8
16	SHRUTI P. MUKWANE	16
17	S.T.S. ALI SHAUKAT	14
18	VAIBHAV SURESH SILEDAR	12
19	YASHWANTA D. CHANDNE	9

Signature of the Teacher

Head
Department of the Computer Science

Design and Analysis of Algorithm.
Paper-III
Unit Test-1 on Unit-I , Unit-II and Unit-III

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   Marks: 16

    A.   Explain binary search algorithm.   8
    B. Explain scheduling with deadline with suitable example   8
    C. Describe Euclid's algorithm with example.   8
    D. Describe in detail" the order of "notation.   8

Q2. Answer the Following (Any 1)   Marks: 4

    A. .Explain and analyze Prim's algorithm with an example.   4

    B. Explain Cryptography in detail.   4

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

Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR
Master in Computer Application (MCA) Semester-III
Department of Computer Science
MCA –II Semester-III (2019-2020)
Design and Analysis of Algorithm
Paper-III
Results of   Unit test – III , IV and V

Name of Faculty: Mr.A.A.Bodkhe
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit III , IV& V)
1	AKANSHA NILESH SALVE	10
2	ANANNYA RAJU RAMTEKE	12
3	ANJALI RAJU KUSHWAHA	AB
4	ANUSHRI M. GUDHANE	15
5	APURVA S. KARANKAR	16
6	CHETAN D. CHANNE	14
7	DIKSHITA PRAMOD PATIL	10
8	KAJAL P. VISHWAKARMA	11
9	MOURVI ASHOK RANGARI	15
10	N. F.K. ALAMANSARI	18
11	POOJA C. UKEY	19
12	PRACHI ASHOK KHAIRKAR	AB
13	PRITTY THOMAS	12
14	PRIYA D. KHAPRE	13

15	RENUKA DINESH PALIWAL	4
16	SHRUTI P. MUKWANE	AB
17	S.T.S. ALI SHAUKAT	10
18	VAIBHAV SURESH SILEDAR	11
19	YASHWANTA D. CHANDNE	AB

Signature of the Teacher

Head
Department of the Computer Science

Design and Analysis of Algorithm.
Paper-III
Unit Test-2 on Unit-III , Unit-IV and Unit-V

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

    A. Write and explain Floyd's algorithm to find shortest paths.   8
    B. Explain depth first search technique for directed graph.   8
    C. Explain algorithm to find median using divide and conquer approach.   8
    D. Explain principle of optimality.   8

Q2. Answer the Following (Any 1)   **Marks: 4**

    A. Explain classes P and NP.   4

    B. Explain "Coins Problem".   4

Signature of the Teacher   **Head**
Department of the 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
Master in Computer Application (MCA) Semester-III
Department of Computer Science
MCA –II Semester-III (2019-2020)
Operation Research
Paper-IV
Results of   Unit test – I , II & IIi

Name of Faculty: S.M. Sherekar

Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit I , II & III)
1	AKANSHA NILESH SALVE	Ab
2	ANANNYA RAJU RAMTEKE	11
3	ANJALI RAJU KUSHWAHA	15
4	ANUSHRI M. GUDHANE	14
5	APURVA S. KARANKAR	17
6	CHETAN D. CHANNE	121
7	DIKSHITA PRAMOD PATIL	10
8	KAJAL P. VISHWAKARMA	2
9	MOURVI ASHOK RANGARI	15
10	N. F.K. ALAMANSARI	5
11	POOJA C. UKEY	6
12	PRACHI ASHOK KHAIRKAR	4
13	PRITTY THOMAS	10
14	PRIYA D. KHAPRE	15

15	RENUKA DINESH PALIWAL	14
16	SHRUTI P. MUKWANE	17
17	S.T.S. ALI SHAUKAT	18
18	VAIBHAV SURESH SILEDAR	AB
19	YASHWANTA D. CHANDNE	AB

Signature of the Teacher

Head
Department of the Computer Science

Operation Research
Paper-IV
Unit Test-1 on Unit-I , Unit-II and Unit-III

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

    A. Explain the Maximum-Minimum Principle in detail.   8
    B. What is PERT? Explain PERT network in detail.   8
    C. Explain the origin and development of Operation research.   8
    D. Explain the different phases and limitations of Operation research.   8

Q2. Answer the Following (Any 1)

    A. Explain Game theory in detail.   4

    B. What is CPM? Explain the advantages of Network?   4

Signature of the Teacher

Head
Department of the Computer Science

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

Department of Computer Science
MCA –II Semester-III (2019-2020)
Operation Research
Paper-IV
Results of   Unit test – III , IV & V

Name of Faculty: S.M.Sherekar
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit III , IV& V)
1	AKANSHA NILESH SALVE	19
2	ANANNYA RAJU RAMTEKE	15
3	ANJALI RAJU KUSHWAHA	AB
4	ANUSHRI M. GUDHANE	18
5	APURVA S. KARANKAR	10
6	CHETAN D. CHANNE	11
7	DIKSHITA PRAMOD PATIL	10
8	KAJAL P. VISHWAKARMA	10
9	MOURVI ASHOK RANGARI	15
10	N. F.K. ALAMANSARI	15
11	POOJA C. UKEY	12
12	PRACHI ASHOK KHAIRKAR	11
13	PRITTY THOMAS	AB
14	PRIYA D. KHAPRE	10

15	RENUKA DINESH PALIWAL	14
16	SHRUTI P. MUKWANE	11
17	S.T.S. ALI SHAUKAT	AB
18	VAIBHAV SURESH SILEDAR	14
19	YASHWANTA D. CHANDNE	15

Signature of the Teacher

**Head
Department of the Computer Science**

SEAL

Operation Research
Paper-IV
Unit Test-2 on Unit-III , Unit- IV and Unit-V

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

    A. Write the characteristics of Queueing system.   8

    B. Write a note on i) Decision under Certainty   8

                       ii)Decision under risk

                       iii)Decision under Uncertainty

    C. Explain Different Inventory Control Techniques in detail.   8

    D. Explain basic concept of Constraint in network.   8

Q2. Answer the Following (Any 1)

    A. Explain Queueing Theory in detail.   4

    B. Explain Inventory control with Price breaks.   4

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

Department of Computer Science
MCA –II Semester-III (2019-2020)
Database Administration
Paper-V
Results of   Unit test – I , II & III

Name of Faculty: A.M.Taori
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit I , II & III)
1	AKANSHA NILESH SALVE	10
2	ANANNYA RAJU RAMTEKE	10
3	ANJALI RAJU KUSHWAHA	10
4	ANUSHRI M. GUDHANE	11
5	APURVA S. KARANKAR	14
6	CHETAN D. CHANNE	15
7	DIKSHITA PRAMOD PATIL	AB
8	KAJAL P. VISHWAKARMA	6
9	MOURVI ASHOK RANGARI	8
10	N. F.K. ALAMANSARI	15
11	POOJA C. UKEY	14
12	PRACHI ASHOK KHAIRKAR	11
13	PRITTY THOMAS	10
14	PRIYA D. KHAPRE	11

15	RENUKA DINESH PALIWAL	15
16	SHRUTI P. MUKWANE	19
17	S.T.S. ALI SHAUKAT	Ab
18	VAIBHAV SURESH SILEDAR	11
19	YASHWANTA D. CHANDNE	10

Signature of the Teacher

Head
Department of the Computer Science

Database Administration
Paper-V
Unit Test-1 on Unit-I , Unit-II and Unit-III

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

    A Explain the Architecture of Oracle Database.   8

    B. Explain Data Dictionary view in detail.   8

    C. What is relational database management system?   8

    D. What are the background processes used in database?   8

Q2. Answer the Following (Any 1)   **Marks: 4**

    A. Explain the different concepts of PLSQL Programming.   4

    B. What is privileges? Explain the role of privilege in detail.   4

Signature of the Teacher

Head
Department of the Computer Science

Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR
Master in Computer Application (MCA) Semester-III
Department of Computer Science
MCA –II Semester-III (2019-2020)
Database Administration
Paper-V
Results of   Unit test – III , IV & V

Name of Faculty: A.M.Taori
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit III , IV& V)
1	AKANSHA NILESH SALVE	15
2	ANANNYA RAJU RAMTEKE	15
3	ANJALI RAJU KUSHWAHA	14
4	ANUSHRI M. GUDHANE	10
5	APURVA S. KARANKAR	11
6	CHETAN D. CHANNE	12
7	DIKSHITA PRAMOD PATIL	AB
8	KAJAL P. VISHWAKARMA	15
9	MOURVI ASHOK RANGARI	11
10	N. F.K. ALAMANSARI	11
11	POOJA C. UKEY	17
12	PRACHI ASHOK KHAIRKAR	18
13	PRITTY THOMAS	4
14	PRIYA D. KHAPRE	15

15	RENUKA DINESH PALIWAL	10
16	SHRUTI P. MUKWANE	10
17	S.T.S. ALI SHAUKAT	8
18	VAIBHAV SURESH SILEDAR	5
19	YASHWANTA D. CHANDNE	15

Signature of the Teacher

Head
Department of the Computer Science

Database Administration
Paper-V
Unit Test-2 on Unit-III , Unit-III and Unit-V

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   Marks: 16

Explain Oracle Export/Import Utilities in detail.   8
B. Explain SQL issues and tuning considerations for different application.   8
C. Explain Managing password security and resources in detail.   8
D. Explain Oracle backup and recovery configuration in detail.   8

.

Q2. Answer the Following (Any 1)   Marks: 4

A. Explain the concept of complete recovery of an oracle database   4

B. What is Tablespace? Explain Managing Tablespace in detail.   4

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

SEM-IV

Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR
Master in Computer Application (MCA) Semester-IV
Department of Computer Science
MCA –II Semester-IV (2019-2020)
Computer Hardware Interfacing
Paper-1
Results of Unit test – I , II & III

Name of Faculty: S.S.Shende
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit I , II & III)
1	Ayasha Devikar	10
2	Maithali Gharde	15
3	Pooja Deshpande	11
4	Prasad Dehankar	16
5	Shahana A. Ahamad	11

Signature of the Teacher

Head
Department of the Computer Science

Computer Hardware Interfacing
Paper-I
Unit Test-1 on Unit-I , Unit=II and Unit-II

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

A.	Draw the block diagram of math-coprocessor 8087 and explain.	8
B.	Draw the block diagram of 8251 and function of each in brief.	8
C.	What is serial data transmission? Explain its format.	8
B.	What is DMA? Explain block diagram of DMA	8

Q2. Answer the Following (Any 1)   **Marks: 4**

A. What is bus? Explain VME and EISE bus in brief.   4

B. Explain MGA? Explain the working of MGA?   4

Signature of the Teacher

Head
Department of the Computer Science

Department of Computer Science
MCA –II Semester-IV (2019-2020)
Computer Hardware InterfacingPaper-1
Results of   Unit test – III , IV & V

Name of Faculty: S.S.Shende
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit III ,IV & V)
1	Ayasha Devikar	10
2	Maithali Gharde	11
3	Pooja Deshpande	14
4	Prasad Dehankar	17
5	Shahana A. Ahamad	5

Signature of the Teacher

Head
Department of the Computer Science

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

Computer Hardware Interfacing
Paper-I
Unit Test-2 on Unit-III ,Unit-IV and Unit-V

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

J.	Explain monochrome monitors in details.	8
K.	What is speech recognition? Explain how it work.	8
L.	Draw a block diagram of hard disk controller and explain its working.	8
M.	What is motherboard? Explain block diagram.	8

Q2. Answer the Following (Any 1)   **Marks: 4**

A Explain fax and telex? Explain its operation?   4

 B. Explain type of data storage? Write short note on hard disk.   4

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

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

Department of Computer Science
MCA –II Semester-IV (2019-2020)
Distributed Database Management Systems
Paper-II
Results of   Unit test – I , II & III

Name of Faculty: T.H.Kanholikar

Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit I , II & III)
1	Ayasha Devikar	12
2	Maithali Gharde	12
3	Pooja Deshpande	14
4	Prasad Dehankar	10
5	Shahana A. Ahamad	11

Signature of the Teacher

Head
Department of the Computer Science

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

Distributed Database Management Systems
Paper-II
Unit Test-1 on Unit-I ,Unit-II and Unit-III

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

    A. Explain top -down design process?   8
    B. Describe the layers of transparency in detail?   8
    C. Discuss the layers of Query processing.   8
    D. What do you mean by DDBMS? How are they classified.   8
                                                  8

Q2. Answer the Following (Any 1)   **Marks: 4**

    A. Explain query decomposition step in detail.   4
    B. What is Horizontal fragmentation? What is its requirement   4

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

Master in Computer Application (MCA) Semester-IV
Department of Computer Science
MCA –II Semester-IV (2019-2020)
Distributed Database Management Systems
Paper-II
Results of   Unit test – III , IV & V

Name of Faculty: T.H.Kanholikar
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit III , IV & V)
1	Ayasha Devikar	12
2	Maithali Gharde	14
3	Pooja Deshpande	11
4	Prasad Dehankar	10
5	Shahana A. Ahamad	10

Signature of the Teacher

Head
Department of the Computer Science

Distributed Database Management Systems
Paper-II
Unit Test-2 on Unit-III , Unit-IV
and Unit-V

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   Marks: 16

   A. What is distributed query processor? Discuss various query processing problem   8
      in distributed system.

   B. Discuss isolation property of transaction with example.   .   8

   C. Discuss different phases of transaction execution.   8

   D. Explain Nested Distribution Transaction.   8

Q2. Answer the Following (Any 1)   Marks: 4

   A. Explain properties of transaction?   4

   B. Explain Transaction management in detail.   4

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

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

Department of Computer Science
MCA –II Semester-IV (2019-2020)
Computer Graphics
Paper-III
Results of   Unit test – I , II & II

Name of Faculty: H.A.Gandhre
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit I , II & III)
1	Ayasha Devikar	7
2	Maithali Gharde	5
3	Pooja Deshpande	12
4	Prasad Dehankar	11
5	Shahana A. Ahamad	10

Signature of the Teacher

Head
Department of the Computer Science

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

Computer Graphics
Paper-III
Unit Test-1 on Unit-I , Unit-II
and Unit-III

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

   A. Explain Bradenham's line generation algorithm in detail.   8

   B. Explain Suthenland – Holgman algorithm in detail .   8
   C. Write and explain DDA algorithm for line generation.   8
   D. Explain hidden surface and special projection in detail.   8

Q2. Answer the Following (Any 1)   **Marks: 4**

   A. Explain Input device algorithm Handling algorithm for disable group.   4

   B. Explain Clipping? Explain line clipping algorithm in detail?   4

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

SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR
Master in Computer Application (MCA) Semester-IV
Department of Computer Science
MCA –II Semester-IV (2019-2020)
Computer Graphics
Paper-III
Results of   Unit test – III , IV & V

Name of Faculty: H.A.Gandhre
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit III , IV & V)
1	Ayasha Devikar	10
2	Maithali Gharde	11
3	Pooja Deshpande	14
4	Prasad Dehankar	15
5	Shahana A. Ahamad	11

Signature of the Teacher

Head
Department of the Computer Science

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

Computer Graphics
Paper-III
Unit Test-2 on Unit-III , Unit-IV and Unit-V

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

   E. Explain rotation about an arbitrary axis in 3D with suitable example. 8
   F. Explain specular reflection in detail.   8
   G. Explain Back-face detection in detail.   8
   H. Explain Brezier curve generation in detail.   8

Q2. Answer the Following (Any 1)   **Marks: 4**

   A. Explain octree method in detail.   4

   B. Write B-spline curve generation in detail.   4

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

Department of Computer Science
MCA –II Semester-IV (2019-2020)
Distributed Operating Systems
Paper- IV
Results of   Unit test – I   , II& III

Name of Faculty: A.Shaikh
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit I , II& III)
1	Ayasha Devikar	10
2	Maithali Gharde	11
3	Pooja Deshpande	12
4	Prasad Dehankar	2
5	Shahana A. Ahamad	15

Signature of the Teacher

Head
Department of the Computer Science

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

Distributed Operating Systems
Paper- IV
Unit Test-1 on Unit-I , Unit-II and Unit-III

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**
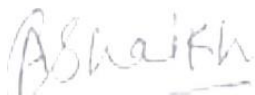
   A. Explain DCE component and DCE cells in detail   8
   B. What is Message passing paradigm? Explain the features of good message   8
      passing system
   C. Explain different designing issues of distributed operating system.   8
   D. What are the main difference between the RPC model and ordinary procedure. 8

Q2. Answer the Following (Any 1)   **Marks: 4**

  A . Explain workstation- server model and processor pool model used for building   4

      distributed computing system.

   B. Discuss Group Communication Issues in detail?   4

Signature of the Teacher   **Head**
                             Department of the 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
Master in Computer Application (MCA) Semester-IV
Department of Computer Science
MCA –II Semester-IV (2019-2020)
Distributed Operating Systems
Paper- IV
Results of   Unit test – III , IV & V

Name of Faculty:A.Shaikh
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit III , IV & V)
1	Ayasha Devikar	11
2	Maithali Gharde	14
3	Pooja Deshpande	14
4	Prasad Dehankar	15
5	Shahana A. Ahamad	10

Signature of the Teacher

Head
Department of the Computer Science

Distributed Operating Systems
Paper- IV
Unit Test-2 on Unit-III , Unit-IV and Unit-V

Time: 1 Hrs.   **Marks: 20**
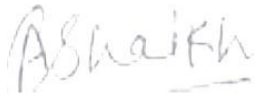
Q1. Answer the Following (Any 2)   **Marks: 16**

    E. Discuss design and implementation issues in DSM system.   8
    F. Write a note on i) Causal consistency Model   8
                         ii) Processor consistency Model
    G. Discuss replacement strategy in detail.   8
    H. Explain characteristics of Good global scheduling algorithm.   8

Q2. Answer the Following (Any 1)   **Marks: 4**

    A. What is the role of stubs in RPC mechanism? Explain with its method of generation. 4
    B. Explain general architecture of DSM system.   4

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

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

Department of Computer Science
MCA –II Semester-IV (2019-2020)
C# and Dot Net.
Paper-V
Results of   Unit test – I , II & III

Name of Faculty:M.A.Chinchmal
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit I , II & III)
1	Ayasha Devikar	11
2	Maithali Gharde	14
3	Pooja Deshpande	7
4	Prasad Dehankar	17
5	Shahana A. Ahamad	12

Signature of the Teacher

Head
Department of the Computer Science

C# and Dot Net.
Paper-V
Unit Test-1 on Unit-I , Unit-II and Unit-III

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

A. Explain C# main method and the compilation of the C# program.   8

B.   Explain Array type object with example.   8
C. What is Pointer? Explain unsafe code? Write a program for sorting an array of string.   8
D. Explain the use of Destructor and garbage collector in .NET?   8

Q2. Answer the Following (Any 1)   **Marks: 4**

A Explain Delegate with example.   4

B. Explain different types of inheritance in C# with one example of each.   4

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

SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR
Master in Computer Application (MCA) Semester-IV
Department of Computer Science
MCA –II Semester-IV (2019-2020)
C# and Dot Net.
Paper-V
Results of   Unit test – III , IV & V

Name of Faculty: M.A.Chinchmal

Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit III , IV & V)
1	Ayasha Devikar	10
2	Maithali Gharde	19
3	Pooja Deshpande	11
4	Prasad Dehankar	15
5	Shahana A. Ahamad	14

Signature of the Teacher

                                               Head
                          Department of the Computer Science

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

C# and Dot Net.
Paper-V
Unit Test-2 on Unit-III, Unit-IV and Unit-V

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

    A. What is Web service? Explain web services provided by C#.   8
    B. Write a short note on string Builder. Write a program for sorting an array of strings. 8
    C. List different. NET base classes and explain any of them.   8
    D. What is Garbage collection? Specify its importance. Write the ways to optimizes   8
    Garbage collection.

Q2. Answer the Following (Any 1)   **Marks: 4**

A. What is attribute? How it is used in compilation of C#.NET program   4

 B. What are design goal of .NET Framework?   4

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

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

SEM-V

Department of Computer Science
MCA –III Semester-V (2019-2020)
DATAWAREHOUSING AND DATA MINING
Paper-I
Results of   Unit test – I, II and III

Name of Faculty: Mr.A.A.Bodkhe

Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit I , II & III) (unit III , IV& V)
1	AKANSHA NILESH SALVE	10
2	ANANNYA RAJU RAMTEKE	10
3	ANJALI RAJU KUSHWAHA	14
4	ANUSHRI M. GUDHANE	15
5	APURVA S. KARANKAR	14
6	CHETAN D. CHANNE	AB
7	DIKSHITA PRAMOD PATIL	14
8	KAJAL P. VISHWAKARMA	18
9	MOURVI ASHOK RANGARI	13
10	N. F.K. ALAMANSARI	16
11	POOJA C. UKEY	19
12	PRACHI ASHOK KHAIRKAR	AB
13	PRITTY THOMAS	10
14	PRIYA D. KHAPRE	11

15	RENUKA DINESH PALIWAL	8
16	SHRUTI P. MUKWANE	16
17	S.T.S. ALI SHAUKAT	14
18	VAIBHAV SURESH SILEDAR	12
19	YASHWANTA D. CHANDNE	AB

Signature of the Teacher

Head
Department of the Computer Science

DATAWAREHOUSING AND DATA MINING
Paper-I
Unit Test-1 on Unit-I Unit-II and Unit-III

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks:16**

    A. What is Data Mart? Explain the Types of Data Mart.   8
    B. Explain the Categories of OLAP Tools.   8
    C. What is OLAP? Explain the Information Advantage Web OLAP in detail.   8
    D. What is Monitoring Requirements for a Data Mart ?Explain Security in Data Mart . 8

Q2. Answer the Following (Any 1)   **Marks: 4**

    A. Explain the Characteristics of Data Warehouse .   4

    B. What is Predictive modeling?   4

Signature of the Teacher

Head
Department of the Computer Science

Department of Computer Science
MCA –II Semester-III (2019-2020)
DATAWAREHOUSING AND DATA MINING
Paper-I
Results of   Unit test – III , IV and V

Name of Faculty: A.A.Bodkhe
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit III, IV & IV)
1	AKANSHA NILESH SALVE	14
2	ANANNYA RAJU RAMTEKE	18
3	ANJALI RAJU KUSHWAHA	13
4	ANUSHRI M. GUDHANE	14
5	APURVA S. KARANKAR	18
6	CHETAN D. CHANNE	13
7	DIKSHITA PRAMOD PATIL	16
8	KAJAL P. VISHWAKARMA	19
9	MOURVI ASHOK RANGARI	14
10	N. F.K. ALAMANSARI	15
11	POOJA C. UKEY	10
12	PRACHI ASHOK KHAIRKAR	12
13	PRITTY THOMAS	15
14	PRIYA D. KHAPRE	14

15	RENUKA DINESH PALIWAL	2
16	SHRUTI P. MUKWANE	Ab
17	S.T.S. ALI SHAUKAT	18
18	VAIBHAV SURESH SILEDAR	13
19	YASHWANTA D. CHANDNE	15

Signature of the Teacher

Head
Department of the Computer Science

DATAWAREHOUSING AND DATA MINING
Paper-I
Unit Test-2 on Unit-III Unit-IV and Unit-V

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

N.	Explain different Data Mining Algorithm with suitrable examples.	8
O.	What is Metadata? Explain the tools for Data Warehousing.	8
P.	Explain the Application of Data Warehousing & Data Mining.	8
Q.	Explain Performance Considerations in building DataWarehouse.	8

Q2. Answer the Following (Any 1)   **Marks: 4**

A.	Explain the case study for Data Warehousing in State Government.	4
B.	Write the steps for developing Data warehouse.	4

Signature of the Teacher

Head
Department of the Computer Science

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

Department of Computer Science
MCA –I Semester-III (2019-2020)
Embedded Systems
Paper-II
Results of   Unit test – I , II and III

Name of Faculty: M.A.Chinchmal

Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit I , II & III)
1	AKANSHA NILESH SALVE	11
2	ANANNYA RAJU RAMTEKE	8
3	ANJALI RAJU KUSHWAHA	16
4	ANUSHRI M. GUDHANE	14
5	APURVA S. KARANKAR	12
6	CHETAN D. CHANNE	9
7	DIKSHITA PRAMOD PATIL	AB
8	KAJAL P. VISHWAKARMA	19
9	MOURVI ASHOK RANGARI	15
10	N. F.K. ALAMANSARI	10
11	POOJA C. UKEY	11
12	PRACHI ASHOK KHAIRKAR	5
13	PRITTY THOMAS	12
14	PRIYA D. KHAPRE	6

15	RENUKA DINESH PALIWAL	AB
16	SHRUTI P. MUKWANE	11
17	S.T.S. ALI SHAUKAT	8
18	VAIBHAV SURESH SILEDAR	16
19	YASHWANTA D. CHANDNE	14

Signature of the Teacher

Head
Department of the Computer Science

Embedded Systems
Paper-II
Unit Test-1 on Unit-I Unit-II and Unit-III

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

I.   What is Embedded System? Explain the Characteristics of Embedded System.   8
J.   Explain the Cost Issues in Embedded System.   8
K.   Explain Creating and Adding Board Support Packages in Embedded System.   8
L.   What is Windows CE.NET? Explain how we create a custom OS using Windows CE.NET.   8

Q2. Answer the Following (Any 1)   **Marks: 4**

A. What is Soft and Hard real-time systems.   4

B. Explain the creation of embedded applications in VC+ +.   4

Signature of the Teacher

                                                                                Head
                                                Department of the Computer Science

Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR
Master in Computer Application (MCA) Semester-III
Department of Computer Science
MCA –II Semester-III (2019-2020)
Embedded Systems
Paper-II
Results of   Unit test – III , IV and V

Name of Faculty: M.A.Chinchmal
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit III , IV& V)
1	AKANSHA NILESH SALVE	14
2	ANANNYA RAJU RAMTEKE	10
3	ANJALI RAJU KUSHWAHA	12
4	ANUSHRI M. GUDHANE	7
5	APURVA S. KARANKAR	5
6	CHETAN D. CHANNE	14
7	DIKSHITA PRAMOD PATIL	15
8	KAJAL P. VISHWAKARMA	10
9	MOURVI ASHOK RANGARI	12
10	N. F.K. ALAMANSARI	15
11	POOJA C. UKEY	14
12	PRACHI ASHOK KHAIRKAR	2
13	PRITTY THOMAS	15
14	PRIYA D. KHAPRE	Ab

15	RENUKA DINESH PALIWAL	18
16	SHRUTI P. MUKWANE	13
17	S.T.S. ALI SHAUKAT	Ab
18	VAIBHAV SURESH SILEDAR	19
19	YASHWANTA D. CHANDNE	15

Signature of the Teacher

Head
Department of the Computer Science

Embedded Systems
Paper-II
Unit Test-2 on Unit-III , Unit-IV and Unit V

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

E. Explain how we write multithreaded applications in Embedded System.   8
F. Explain Interrupt Service Routines and Interrupt Service Threads in detail.   8
G. Explain the architecture of Windows CE.NET.   8
H. Explain Development of COM components with Examples.   8

Q2. Answer the Following (Any 1)   **Marks: 4**

A. What is Interrupt Priorities Priority Inversions?   4

B. What is Processes and Threads? Explain Virtual Memory in detail.   4

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

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

Department of Computer Science
MCA –II Semester-III (2019-2020)
Network Security
Paper-III
Results of   Unit test – I , II and III

Name of Faculty: T.H.Kanholikar
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit I , II & III)
1	AKANSHA NILESH SALVE	15
2	ANANNYA RAJU RAMTEKE	10
3	ANJALI RAJU KUSHWAHA	12
4	ANUSHRI M. GUDHANE	15
5	APURVA S. KARANKAR	14
6	CHETAN D. CHANNE	AB
7	DIKSHITA PRAMOD PATIL	11
8	KAJAL P. VISHWAKARMA	18
9	MOURVI ASHOK RANGARI	13
10	N. F.K. ALAMANSARI	Ab
11	POOJA C. UKEY	19
12	PRACHI ASHOK KHAIRKAR	15
13	PRITTY THOMAS	10
14	PRIYA D. KHAPRE	11

15	RENUKA DINESH PALIWAL	8
16	SHRUTI P. MUKWANE	16
17	S.T.S. ALI SHAUKAT	14
18	VAIBHAV SURESH SILEDAR	12
19	YASHWANTA D. CHANDNE	9

Signature of the Teacher

Head
Department of the Computer Science

Network Security.
Paper-III
Unit Test-1 on Unit-I , Unit-II and Unit-III

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

   E.   What is Cryptography ?Explain Conventional Encryption DES   8
   F.   Explain Euclid Algorithm in detail.   8
   G.   Explain the Classification of Security Services in detail.   8
   H.   Explain Access Control and Management and Access Control Policies. 8

Q2. Answer the Following (Any 1)   **Marks: 4**

   A. Explain Hash Functions and SHA in detail.   4

   B. What are Intruders? Explain the techniques is used for Intrusion Detection.   4

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

Department of Computer Science
MCA –II Semester-III (2019-2020)
Network Security.

Paper-III

Results of   Unit test – III , IV and V

Name of Faculty: T.H.Kanholikar
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit III , IV& V)
1	AKANSHA NILESH SALVE	10
2	ANANNYA RAJU RAMTEKE	12
3	ANJALI RAJU KUSHWAHA	AB
4	ANUSHRI M. GUDHANE	15
5	APURVA S. KARANKAR	16
6	CHETAN D. CHANNE	14
7	DIKSHITA PRAMOD PATIL	10
8	KAJAL P. VISHWAKARMA	11
9	MOURVI ASHOK RANGARI	15
10	N. F.K. ALAMANSARI	18
11	POOJA C. UKEY	19
12	PRACHI ASHOK KHAIRKAR	AB
13	PRITTY THOMAS	12
14	PRIYA D. KHAPRE	13

15	RENUKA DINESH PALIWAL	4
16	SHRUTI P. MUKWANE	AB
17	S.T.S. ALI SHAUKAT	10
18	VAIBHAV SURESH SILEDAR	11
19	YASHWANTA D. CHANDNE	AB

Signature of the Teacher

**Head
Department of the Computer Science**

Network Security.
Paper-III
Unit Test-2 on Unit-III , Unit-IV and Unit-V

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

    I.   Explain Secure Socket Layer and Transport Layer Security in detail.   8
    J.   What is Authentication? Explain Address-Based Authentication.   8
    K. Explain Chinese Remainder Theorem in detail.   8
    L. Explain the concept of Key Management and Network Management.   8

Q2. Answer the Following (Any 1)   **Marks: 4**

   A. What is Web Security? Explain Web Security Threats in detail.   4

   B. What is IP Security ? Explain the Architecture of IP Security.   4

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

Shri Shivaji Education Society Amravati's
SCIENCE COLLEGE, CONGRESS NAGAR, NAGPUR
Master in Computer Application (MCA) Semester-III
Department of Computer Science
MCA –II Semester-III (2019-2020)
Software Engineering
Paper-IV
Results of   Unit test – I , II & IIi

Name of Faculty: A.A.Bodkhe
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit I , II & III)
1	AKANSHA NILESH SALVE	Ab
2	ANANNYA RAJU RAMTEKE	11
3	ANJALI RAJU KUSHWAHA	15
4	ANUSHRI M. GUDHANE	14
5	APURVA S. KARANKAR	17
6	CHETAN D. CHANNE	121
7	DIKSHITA PRAMOD PATIL	10
8	KAJAL P. VISHWAKARMA	2
9	MOURVI ASHOK RANGARI	15
10	N. F.K. ALAMANSARI	5
11	POOJA C. UKEY	6
12	PRACHI ASHOK KHAIRKAR	4
13	PRITTY THOMAS	10
14	PRIYA D. KHAPRE	15

15	RENUKA DINESH PALIWAL	14
16	SHRUTI P. MUKWANE	17
17	S.T.S. ALI SHAUKAT	18
18	VAIBHAV SURESH SILEDAR	AB
19	YASHWANTA D. CHANDNE	AB

Signature of the Teacher

Head
Department of the Computer Science

Software Engineering
Paper-IV
Unit Test-1 on Unit-I , Unit-II and Unit-III

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   Marks: 16

    E. What is Software Engineer? Explain the Role of Software Engineer.   8
    F. Explain Software Development Life cycle in detail.   8
    G. Explain the Uses of Specification. Write Qualities the Specification in detail.   8
    H. What is Software verification? Write the Goals and Requirement of Verification.   8

Q2. Answer the Following (Any 1)

    A. Explain the concept of Object-Oriented Design .   4

    B. Explain the Relationship of Software Engineering to other Disciplines.   4

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

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

Department of Computer Science
MCA –II Semester-III (2019-2020)
Software Engineering
Paper-IV
Results of   Unit test – III , IV & V

Name of Faculty: A.A.Bodkhe
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit III , IV& V)
1	AKANSHA NILESH SALVE	19
2	ANANNYA RAJU RAMTEKE	15
3	ANJALI RAJU KUSHWAHA	AB
4	ANUSHRI M. GUDHANE	18
5	APURVA S. KARANKAR	10
6	CHETAN D. CHANNE	11
7	DIKSHITA PRAMOD PATIL	10
8	KAJAL P. VISHWAKARMA	10
9	MOURVI ASHOK RANGARI	15
10	N. F.K. ALAMANSARI	15
11	POOJA C. UKEY	12
12	PRACHI ASHOK KHAIRKAR	11
13	PRITTY THOMAS	AB
14	PRIYA D. KHAPRE	10

15	RENUKA DINESH PALIWAL	14
16	SHRUTI P. MUKWANE	11
17	S.T.S. ALI SHAUKAT	AB
18	VAIBHAV SURESH SILEDAR	14
19	YASHWANTA D. CHANDNE	15

Signature of the Teacher

Head
Department of the Computer Science

Software Engineering
Paper-IV
Unit Test-2 on Unit-III , Unit- IV and Unit-V

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

A .Explain Spiral Model with suitable diagram.   8

B. Explain Software Production Process in detail.   8

C. Explain Operational Specifications and Descriptive Specifications in detail   8

D. Explain Classification of Software Tools and Environments in detail.   8

Q2. Answer the Following (Any 1)

A. Explain Risk Management in detail.   4

B. Write in detail

   i) Project Planning

   ii) Project Control   4

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

Department of Computer Science
MCA –II Semester-III (2019-2020)
ASP .NET
Paper-V
Results of   Unit test – I , II & III

Name of Faculty: M.A.Chinchmal
Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit I , II & III)
1	AKANSHA NILESH SALVE	10
2	ANANNYA RAJU RAMTEKE	10
3	ANJALI RAJU KUSHWAHA	10
4	ANUSHRI M. GUDHANE	11
5	APURVA S. KARANKAR	14
6	CHETAN D. CHANNE	15
7	DIKSHITA PRAMOD PATIL	AB
8	KAJAL P. VISHWAKARMA	6
9	MOURVI ASHOK RANGARI	8
10	N. F.K. ALAMANSARI	15
11	POOJA C. UKEY	14
12	PRACHI ASHOK KHAIRKAR	11
13	PRITTY THOMAS	10
14	PRIYA D. KHAPRE	11

15	RENUKA DINESH PALIWAL	15
16	SHRUTI P. MUKWANE	19
17	S.T.S. ALI SHAUKAT	Ab
18	VAIBHAV SURESH SILEDAR	11
19	YASHWANTA D. CHANDNE	10

Signature of the Teacher

Head
Department of the Computer Science

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

Paper-V
Unit Test-1 on Unit-I , Unit-II and Unit-III

Time: 1 Hrs.   **Marks: 20**

Q1. Answer the Following (Any 2)   **Marks: 16**

    A. What is Virtual Directories? Explain its Applications in detail.   8

    B. Explain the different Frameworks in ASP.NET.   8

    C. Explain Functions & Subroutines in ASP.NET.   8

    D. Write a short note on

        i) ASP .NET file Types

        ii) The bin directory   8

Q2. Answer the Following (Any 1)   **Marks: 4**

    A. Explain the different Libraries used in ASP.NET.   4

    B. What is Namespaces? Explain Assignment Operations in detail.   4

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

Department of Computer Science
MCA –II Semester-III (2019-2020)
ASP .NET
Paper-V
Results of   Unit test – III , IV & V

Name of Faculty: M.A.Chinchmal

Maximum Marks: 20

Sr.No	Name of Student	Test I based on (unit III , IV& V)
1	AKANSHA NILESH SALVE	15
2	ANANNYA RAJU RAMTEKE	15
3	ANJALI RAJU KUSHWAHA	14
4	ANUSHRI M. GUDHANE	10
5	APURVA S. KARANKAR	11
6	CHETAN D. CHANNE	12
7	DIKSHITA PRAMOD PATIL	AB
8	KAJAL P. VISHWAKARMA	15
9	MOURVI ASHOK RANGARI	11
10	N. F.K. ALAMANSARI	11
11	POOJA C. UKEY	17
12	PRACHI ASHOK KHAIRKAR	18
13	PRITTY THOMAS	4
14	PRIYA D. KHAPRE	15

15	RENUKA DINESH PALIWAL	10
16	SHRUTI P. MUKWANE	10
17	S.T.S. ALI SHAUKAT	8
18	VAIBHAV SURESH SILEDAR	5
19	YASHWANTA D. CHANDNE	15

Signature of the Teacher

Head
Department of the Computer Science

Paper-V
Unit Test-2 on Unit-III , Unit-III and Unit-V

Time: 1 Hrs. **Marks: 20**

Q1. Answer the Following (Any 2) Marks: 16

A   What is Web Controls? Explain different Web Control classes in ASP.NET.   8

B. What is .NET Exception Object? Explain Exceptions Handling in ASP.NET.   8

C. Explain how we create, Virtual Directories and Write its Applications?   8

D.   What is Windows Authentication and Impersonation?   8

.

Q2. Answer the Following (Any 1) Marks: 4

A. Write ASP .NET Configuration in detail.   4

B. Explain the ASP .NET Security Model in detail.   4

Signature of the Teacher

Head
Department of the Computer Science