

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

**Department of Electronics**

Class: B. Sc. (Semester-I) Subject: Electronics (Paper- I)

**Session: - 2022 - 2023**

**Unit Test - I**

Name of the Teacher: Prof. S. M. Ghatole

Date: 17/09/2022


Batch: M3 (PEM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	BORKAR OM GAJANAN	7
2	CHAKRE ANIKET SANJEEV	9
3	CHANIANA KIRANPREET KAUR	12
4	CHAUHAN MOHIT PRADEEP	10
5	CHAUDHARY SHRUTI MAHARAJ SINGH	12
6	DUBEY ISHA ROSHAN	14
7	FULZELE KASHISH GAJENDRA	AA
8	GOWARDIPE KAJAL PURUSHOTTAM	8
9	HEDAHO DHIRAJ RAJENDRA	7
10	JAMBHULKAR SHRUTI MAHENDRA	AA
11	KANGALE ACHAL RUSHI	AA
12	KAMBLE NAYAN ASHOK	8
13	KHOTELE MAYANK HEMANTKUMAR	10
14	MISHRA SHASHWAT RAMAKANT	11
15	MONDHE VISHAL VISHWANATH	6
16	NAGPURKAR GAGAN MAROTI	11
17	PANDE UNNATI RAJU	15
18	PUNDE DEVANSHU SANJAY	12
19	SINGH KASHISH NAGENDRA	14
20	SINGH SHEETAL AZADE	11
21	SONWANE BHAGYASHREE CHANDRAKUMAR	AA
22	VAIDYA SUHANI RAJU	10
23	VISHWAKARMA MANISH SUDARSHAN	AA
24	YADAV TAMANNA VIJAY	13

Batch: M10 (ECsM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	AKRE KHUSHI KAILASH	AA
2	BAGDE SHREYA TARACHAND	AA
3	BARDE YASHIKA KUNDLIK	10
4	BHATTALWAR VARAD ATUL	13

5	CHANDEL JAY MANOJSINGH	8
6	CHAVAN PRATIK PREMDAS	11
7	DAWARE SARVESH SUDHIR	10
8	DESAI AKHILESH AJAY	7
9	DHOBLE VAISHNAVI GAJANAN	10
10	DHOTE ARYA RAJENDRA	AA
11	GHORMARE KRUTIKA ANKUSH	13
12	GHUGAL ABHISHAKTI HARIBHAU	14
13	HUMNE SANGITA KANHAIYA	AA
14	HULKE VINAY MORESHWAR	AA
15	KODANE PUNESHA DILIP	AA
16	KAMBE SAKSHI MANOJ	7
17	KANHER JANHVI PANDHARI	11
18	LUTE HIMANSHI RAMESH	AA
19	LENDE SANJANA KISHOR	10
20	MALIK NIKHIL JITENRA	8
21	MANKAR UJJWAL RAJESH	6
22	MANKAR VEDANT CHANRASHEKHAR	10
23	MOHATURE TANHVI CHANDRASHEKHAR	AA
24	MALL ANUSHKA VIJAY	AA
25	PANPATTE MINL NANDKISHOR	12
26	PARTEKI RIYA SANJAY	10
27	RAUT JATIN MUKESH	AA
28	RAHATE SAKSHI DEVENDRA	13
29	UMREDKAR HARSHAL RAJESH	10

  
 Prof . S. M. Ghatole  
 Professor & Head  
 Department of Electronics,  
 Shri Shivaji Science Collage,  
 Congress Nagar, Nagpur.

**Bachelor of Science (B.Sc.) Semester-I Examination**  
**Session 2022-23**  
**Electronics (Paper-I Topic: Unit-I)**  
**Unit Test -I**

**Time: One Hour]**

**[Maximum Marks: 20**

**Date:17-09-2022**

**Note:**

- (1) All questions are compulsory and carry equal marks.
  - (2) Draw neat and labelled diagram wherever necessary.
- 

**Attempt any four. (20 Marks)**

- 1) What is transformer? Explain construction and working of transformer.
- 2) Explain ideal voltage and current sources. Draw their symbol and I-V characteristics.
- 3) What is inductors? What are the factors affecting inductance of an inductor? What are the types of inductors?
- 4) What is resistor? What are the factors affecting resistance of a resistor? What are the types of resistors? Find the value of resistance with colour code sequence: Yellow, Violet, Orange, and Gold.
- 5) Explain Relays and types of relays.

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**Department of Electronics**

Class: B. Sc. (Semester-I) Subject: Electronics (Paper- I)  
Session: - 2022 - 2023

**Unit Test - II**

Name of the Teacher: Prof. S. M. Ghatole

Date: 15/10/2022


Batch: M3 (PEM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	BORKAR OM GAJANAN	10
2	CHAKRE ANIKET SANJEEV	11
3	CHANIANA KIRANPREET KAUR	10
4	CHAUHAN MOHIT PRADEEP	13
5	CHAUDHARY SHRUTI MAHARAJ SINGH	12
6	DUBEY ISHA ROSHAN	16
7	FULZELE KASHISH GAJENDRA	AA
8	GOWARDIPE KAJAL PURUSHOTTAM	10
9	HEDAOO DHIRAJ RAJENDRA	8
10	JAMBHULKAR SHRUTI MAHENDRA	7
11	KANGALE ACHAL RUSHI	AA
12	KAMBLE NAYAN ASHOK	9
13	KHOTELE MAYANK HEMANTKUMAR	9
14	MISHRA SHASHWAT RAMAKANT	10
15	MONDHE VISHAL VISHWANATH	8
16	NAGPURKAR GAGAN MAROTI	12
17	PANDE UNNATI RAJU	13
18	PUNDE DEVANSHU SANJAY	12
19	SINGH KASHISH NAGENDRA	11
20	SINGH SHEETAL AZADE	13
21	SONWANE BHAGYASHREE CHANDRAKUMAR	AA
22	VAIDYA SUHANI RAJU	12
23	VISHWAKARMA MANISH SUDARSHAN	AA
24	YADAV TAMANNA VIJAY	15

Batch: M10 (ECsM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	AKRE KHUSHI KAILASH	AA
2	BAGDE SHREYA TARACHAND	8
3	BARDE YASHIKA KUNDLIK	11
4	BHATTALWAR VARAD ATUL	12

5	CHANDEL JAY MANOJSINGH	9
6	CHAVAN PRATIK PREMDAS	10
7	DAWARE SARVESH SUDHIR	12
8	DESAI AKHILESH AJAY	10
9	DHOBLE VAISHNAVI GAJANAN	8
10	DHOTE ARYA RAJENDRA	7
11	GHORMARE KRUTIKA ANKUSH	11
12	GHUGAL ABHISHAKTI HARIBHAU	16
13	HUMNE SANGITA KANHAIYA	AA
14	HULKE VINAY MORESHWAR	AA
15	KODANE PUNESHA DILIP	10
16	KAMBE SAKSHI MANOJ	9
17	KANHER JANHVI PANDHARI	9
18	LUTE HIMANSHI RAMESH	AA
19	LENDE SANJANA KISHOR	11
20	MALIK NIKHIL JITENRA	AA
21	MANKAR UJJWAL RAJESH	AA
22	MANKAR VEDANT CHANRASHEKHAR	12
23	MOHATURE TANHVI CHANDRASHEKHAR	AA
24	MALL ANUSHKA VIJAY	AA
25	PANPATTE MINL NANDKISHOR	10
26	PARTEKI RIYA SANJAY	13
27	RAUT JATIN MUKESH	AA
28	RAHATE SAKSHI DEVENDRA	13
29	UMREDKAR HARSHAL RAJESH	12

  
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**Bachelor of Science (B.Sc.) Semester - I Examination**  
**Session 2022-23**  
**Electronics (Paper-I Topic: Unit-II & III)**  
**Unit Test -II**

**Time: One Hour]**

**[Maximum Marks: 20**

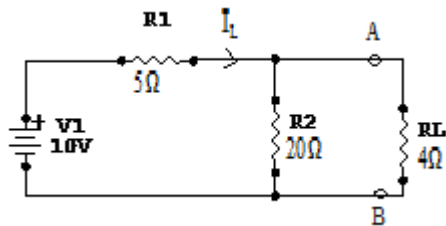
**Date:15-10-2022**

**Note:**

- (1) All questions are compulsory and carry equal marks.
  - (2) Draw neat and labelled diagram wherever necessary.
- 

**Attempt any four. (20 Marks)**

- 1) State and explain KVL and KCL.
- 2) Find current through the load and voltage across the load by Norton's theorem in the given circuit.



- 3) State and explain Maximum Power Transfer theorem.
- 4) What is the difference between R.M.S. and the average values of a sinusoidal voltage?
- 5) Draw and explain R-L-C series. Also draw series resonance curve.

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

**Department of Electronics**

Class: B. Sc. (Semester-I) Subject: Electronics (Paper- II)

Session: - 2022 - 2023

**Unit Test - I**

Name of the Teacher: Ms. Saylee Bende

Date: 12/09/2022


Batch: M3 (PEM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	BORKAR OM GAJANAN	AA
2	CHAKRE ANIKET SANJEEV	7
3	CHANIANA KIRANPREET KAUR	8
4	CHAUHAN MOHIT PRADEEP	11
5	CHAUDHARY SHRUTI MAHARAJ SINGH	10
6	DUBEY ISHA ROSHAN	12
7	FULZELE KASHISH GAJENDRA	AA
8	GOWARDIPE KAJAL PURUSHOTTAM	11
9	HEDAHO DHIRAJ RAJENDRA	7
10	JAMBHULKAR SHRUTI MAHENDRA	9
11	KANGALE ACHAL RUSHI	6
12	KAMBLE NAYAN ASHOK	AA
13	KHOTELE MAYANK HEMANTKUMAR	AA
14	MISHRA SHASHWAT RAMAKANT	11
15	MONDHE VISHAL VISHWANATH	10
16	NAGPURKAR GAGAN MAROTI	9
17	PANDE UNNATI RAJU	11
18	PUNDE DEVANSHU SANJAY	14
19	SINGH KASHISH NAGENDRA	13
20	SINGH SHEETAL AZADE	10
21	SONWANE BHAGYASHREE CHANDRAKUMAR	7
22	VAIDYA SUHANI RAJU	10
23	VISHWAKARMA MANISH SUDARSHAN	AA
24	YADAV TAMANNA VIJAY	AA

Batch: M10 (ECsM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	AKRE KHUSHI KAILASH	AA
2	BAGDE SHREYA TARACHAND	AA
3	BARDE YASHIKA KUNDLIK	10
4	BHATTALWAR VARAD ATUL	14
5	CHANDEL JAY MANOJSINGH	10
6	CHAVAN PRATIK PREMDAS	7
7	DAWARE SARVESH SUDHIR	10
8	DESAI AKHILESH AJAY	11

9	DHOBLE VAISHNAVI GAJANAN	5
10	DHOTE ARYA RAJENDRA	9
11	GHORMARE KRUTIKA ANKUSH	12
12	GHUGAL ABHISHAKTI HARIBHAU	13
13	HUMNE SANGITA KANHAIYA	AA
14	HULKE VINAY MORESHWAR	10
15	KODANE PUNESHA DILIP	AA
16	KAMBE SAKSHI MANOJ	AA
17	KANHER JANHVI PANDHARI	10
18	LUTE HIMANSHI RAMESH	11
19	LENDE SANJANA KISHOR	10
20	MALIK NIKHIL JITENRA	AA
21	MANKAR UJJWAL RAJESH	AA
22	MANKAR VEDANT CHANRASHEKHAR	12
23	MOHATURE TANHVI CHANDRASHEKHAR	10
24	MALL ANUSHKA VIJAY	AA
25	PANPATTE MINL NANDKISHOR	AA
26	PARTEKI RIYA SANJAY	11
27	RAUT JATIN MUKESH	AA
28	RAHATE SAKSHI DEVENDRA	14
29	UMREDKAR HARSHAL RAJESH	8

  
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**Professor & Head**  
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**Bachelor of Science (B.Sc.) Semester—I Examination**  
**Session 2022-23**  
**Electronics (Paper-II Topic: Unit-I)**  
**Unit Test -I**

**Time: One Hour]**

**[Maximum Marks: 20**

**Date:12-09-2022**

**Note:**

- (1) All questions are compulsory and carry equal marks.
  - (2) Draw neat and labelled diagram wherever necessary.
- 

**Attempt any four. (20 Marks)**

- 1) What is an Excess 3 code and explain the following number in XS-3 code:  
(1) 7754
- 2) Convert the following number.  
(1)  $(11010)_2 = (X)_{10}$       (2)  $(AB.C)_{16} = (X)_8$       (3)  $(32)_{10} = (X)_2$
- 3) Convert  $(22.61)_{10}$  into binary octal and hexadecimal number?
- 4) Explain the term (1) One's complement (2) Two's complement with suitable example.
- 5) Explain binary coded decimal number system.

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

**Department of Electronics**

Class: B. Sc. (Semester-I) Subject: Electronics (Paper- II)  
Session: - 2022 - 2023

**Unit Test - II**

Name of the Teacher: Ms. Saylee Bende

Date: 11/10/2022


Batch: M3 (PEM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	BORKAR OM GAJANAN	AA
2	CHAKRE ANIKET SANJEEV	AA
3	CHANIANA KIRANPREET KAUR	9
4	CHAUHAN MOHIT PRADEEP	11
5	CHAUDHARY SHRUTI MAHARAJ SINGH	12
6	DUBEY ISHA ROSHAN	10
7	FULZELE KASHISH GAJENDRA	10
8	GOWARDIPE KAJAL PURUSHOTTAM	14
9	HEDAOO DHIRAJ RAJENDRA	AA
10	JAMBHULKAR SHRUTI MAHENDRA	AA
11	KANGALE ACHAL RUSHI	AA
12	KAMBLE NAYAN ASHOK	AA
13	KHOTELE MAYANK HEMANTKUMAR	AA
14	MISHRA SHASHWAT RAMAKANT	10
15	MONDHE VISHAL VISHWANATH	12
16	NAGPURKAR GAGAN MAROTI	13
17	PANDE UNNATI RAJU	10
18	PUNDE DEVANSHU SANJAY	13
19	SINGH KASHISH NAGENDRA	10
20	SINGH SHEETAL AZADE	13
21	SONWANE BHAGYASHREE CHANDRAKUMAR	10
22	VAIDYA SUHANI RAJU	10
23	VISHWAKARMA MANISH SUDARSHAN	AA
24	YADAV TAMANNA VIJAY	11

Batch: M10 (ECsM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	AKRE KHUSHI KAILASH	07
2	BAGDE SHREYA TARACHAND	AA
3	BARDE YASHIKA KUNDLIK	10

4	BHATTALWAR VARAD ATUL	14
5	CHANDEL JAY MANOJSINGH	10
6	CHAVAN PRATIK PREMDAS	7
7	DAWARE SARVESH SUDHIR	10
8	DESAI AKHILESH AJAY	11
9	DHOBLE VAISHNAVI GAJANAN	5
10	DHOTE ARYA RAJENDRA	9
11	GHORMARE KRUTIKA ANKUSH	12
12	GHUGAL ABHISHAKTI HARIBHAU	13
13	HUMNE SANGITA KANHAIYA	AA
14	HULKE VINAY MORESHWAR	10
15	KODANE PUNESHA DILIP	AA
16	KAMBE SAKSHI MANOJ	AA
17	KANHER JANHVI PANDHARI	10
18	LUTE HIMANSHI RAMESH	11
19	LENDE SANJANA KISHOR	10
20	MALIK NIKHIL JITENRA	AA
21	MANKAR UJJWAL RAJESH	AA
22	MANKAR VEDANT CHANRASHEKHAR	12
23	MOHATURE TANHVI CHANDRASHEKHAR	10
24	MALL ANUSHKA VIJAY	AA
25	PANPATTE MINL NANDKISHOR	AA
26	PARTEKI RIYA SANJAY	9
27	RAUT JATIN MUKESH	AA
28	RAHATE SAKSHI DEVENDRA	11
29	UMREDKAR HARSHAL RAJESH	9

  
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**Bachelor of Science (B.Sc.) Semester—I Examination**  
**Session 2022-23**  
**Electronics (Paper-II Topic: Unit-II)**  
**Unit Test-II**

**Time: One Hour]**

**[Maximum Marks: 20**

**Date:11-10-2022**

**Note:**

- (1) All questions are compulsory and carry equal marks.
  - (2) Draw neat and labelled diagram wherever necessary.
- 

**Attempt any four. (20 Marks)**

- 1) Explain all types of logic gates.
- 2) Explain NOR and EX-NOR gate with truth table, Boolean equation and symbol.
- 3) Explain De'morgans theorem.
- 4) Explain the working of Half adder and Full adder.
- 5) Explain different types of Boolean law.

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

**Department of Electronics**

Class: B. Sc. (Semester-II) Subject: Electronics (Paper- I)  
Session: - 2022 - 2023

**Unit Test - I**

Name of the Teacher: Prof. S. M. Ghatole  
Batch: M3 (PEM)


Date: 10/12/2022

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	BORKAR OM GAJANAN	11
2	CHAKRE ANIKET SANJEEV	6
3	CHANIANA KIRANPREET KAUR	10
4	CHAUHAN MOHIT PRADEEP	11
5	CHAUDHARY SHRUTI MAHARAJ SINGH	8
6	DUBEY ISHA ROSHAN	15
7	FULZELE KASHISH GAJENDRA	05
8	GOWARDIPE KAJAL PURUSHOTTAM	8
9	HEDA OO DHIRAJ RAJENDRA	7
10	JAMBHULKAR SHRUTI MAHENDRA	AA
11	KANGALE ACHAL RUSHI	10
12	KAMBLE NAYAN ASHOK	8
13	KHOTELE MAYANK HEMANTKUMAR	10
14	MISHRA SHASHWAT RAMAKANT	11
15	MONDHE VISHAL VISHWANATH	6
16	NAGPURKAR GAGAN MAROTI	14
17	PANDE UNNATI RAJU	12
18	PUNDE DEVANSHU SANJAY	12
19	SINGH KASHISH NAGENDRA	13
20	SINGH SHEETAL AZADE	11
21	SONWANE BHAGYASHREE CHANDRAKUMAR	AA
22	VAIDYA SUHANI RAJU	8
23	VISHWAKARMA MANISH SUDARSHAN	AA
24	YADAV TAMANNA VIJAY	10

Batch: M10 (ECsM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	AKRE KHUSHI KAILASH	AA
2	BAGDE SHREYA TARACHAND	10
3	BARDE YASHIKA KUNDLIK	9
4	BHATTALWAR VARAD ATUL	7
5	CHANDEL JAY MANOJSINGH	8
6	CHAVAN PRATIK PREMDAS	11

7	DAWARE SARVESH SUDHIR	12
8	DESAI AKHILESH AJAY	8
9	DHOBLE VAISHNAVI GAJANAN	9
10	DHOTE ARYA RAJENDRA	6
11	GHORMARE KRUTIKA ANKUSH	11
12	GHUGAL ABHISHAKTI HARIBHAU	12
13	HUMNE SANGITA KANHAIYA	9
14	HULKE VINAY MORESHWAR	AA
15	KODANE PUNESHA DILIP	AA
16	KAMBE SAKSHI MANOJ	8
17	KANHER JANHVI PANDHARI	11
18	LUTE HIMANSHI RAMESH	10
19	LENDE SANJANA KISHOR	12
20	MALIK NIKHIL JITENRA	AA
21	MANKAR UJJWAL RAJESH	6
22	MANKAR VEDANT CHANRASHEKHAR	11
23	MOHATURE TANHVI CHANDRASHEKHAR	9
24	MALL ANUSHKA VIJAY	AA
25	PANPATTE MINL NANDKISHOR	8
26	PARTEKI RIYA SANJAY	7
27	RAUT JATIN MUKESH	13
28	RAHATE SAKSHI DEVENDRA	14
29	UMREDKAR HARSHAL RAJESH	8

  
 Prof. S. M. Ghatole  
 Professor & Head  
 Department of Electronics,  
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**Bachelor of Science (B.Sc.) Semester-II Examination**  
**Session 2022-23**  
**Electronics (Paper-I)**  
**Unit Test-I**

**Time: One Hour]**

**[Maximum Marks: 20**

**Date:10-12-2022**

**Note:**

- (1) All questions are compulsory and carry equal marks.
- (2) Draw neat sketches wherever necessary.

**Attempt any two. (20 Marks)**

- 1) What is PN junction? Explain the formation of depletion region and potential barrier. Discuss the working of PN junction in forward and reverse bias modes with its characteristics.
- 2) What is Zener diode? Explain its use as a voltage regulator. Differentiate avalanche effect and zener effect. How are they useful?
- 3) Explain the construction and working of LED. Which materials are used for its construction? What are the applications of LED? Give the construction of a seven segment display.

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Science College, Congress Nagar, Nagpur

**Department of Electronics**

Class: B. Sc. (Semester-II) Subject: Electronics (Paper- I)

Session: - 2022 – 2023

**Unit Test - II**

Name of the Teacher: Prof. S. M. Ghatole

Date: 09/01/2023

Batch: M3 (PEM)


<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	BORKAR OM GAJANAN	9
2	CHAKRE ANIKET SANJEEV	11
3	CHANIANA KIRANPREET KAUR	13
4	CHAUHAN MOHIT PRADEEP	10
5	CHAUDHARY SHRUTI MAHARAJ SINGH	6
6	DUBEY ISHA ROSHAN	7
7	FULZELE KASHISH GAJENDRA	AA
8	GOWARDIPE KAJAL PURUSHOTTAM	AA
9	HEDAHO DHIRAJ RAJENDRA	12
10	JAMBHULKAR SHRUTI MAHENDRA	12
11	KANGALE ACHAL RUSHI	11
12	KAMBLE NAYAN ASHOK	AA
13	KHOTELE MAYANK HEMANTKUMAR	7
14	MISHRA SHASHWAT RAMAKANT	12
15	MONDHE VISHAL VISHWANATH	AA
16	NAGPURKAR GAGAN MAROTI	13
17	PANDE UNNATI RAJU	14
18	PUNDE DEVANSHU SANJAY	11
19	SINGH KASHISH NAGENDRA	10
20	SINGH SHEETAL AZADE	8
21	SONWANE BHAGYASHREE CHANDRAKUMAR	AA
22	VAIDYA SUHANI RAJU	12
23	VISHWAKARMA MANISH SUDARSHAN	11
24	YADAV TAMANNA VIJAY	13

Batch: M10 (ECsM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	AKRE KHUSHI KAILASH	AA
2	BAGDE SHREYA TARACHAND	10
3	BARDE YASHIKA KUNDLIK	8
4	BHATTALWAR VARAD ATUL	12
5	CHANDEL JAY MANOJSINGH	12
6	CHAVAN PRATIK PREMDAS	14
7	DAWARE SARVESH SUDHIR	11



8	DESAI AKHILESH AJAY	10
9	DHOBLE VAISHNAVI GAJANAN	8
10	DHOTE ARYA RAJENDRA	12
11	GHORMARE KRUTIKA ANKUSH	11
12	GHUGAL ABHISHAKTI HARIBHAU	13
13	HUMNE SANGITA KANHAIYA	AA
14	HULKE VINAY MORESHWAR	AA
15	KODANE PUNESHA DILIP	AA
16	KAMBE SAKSHI MANOJ	10
17	KANHER JANHVI PANDHARI	11
18	LUTE HIMANSHI RAMESH	8
19	LENDE SANJANA KISHOR	6
20	MALIK NIKHIL JITENRA	AA
21	MANKAR UJJWAL RAJESH	AA
22	MANKAR VEDANT CHANRASHEKHAR	12
23	MOHATURE TANHVI CHANDRASHEKHAR	10
24	MALL ANUSHKA VIJAY	AA
25	PANPATTE MINL NANDKISHOR	13
26	PARTEKI RIYA SANJAY	11
27	RAUT JATIN MUKESH	12
28	RAHATE SAKSHI DEVENDRA	15
29	UMREDKAR HARSHAL RAJESH	AA

  
**Prof . S. M. Ghatole**  
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**Bachelor of Science (B.Sc.) Semester-II Examination**  
**Session 2022-23**  
**Electronics (Paper-I)**  
**Unit Test -II**

**Time: One Hour]**

**[Maximum Marks: 20**

**Date:09-01-2023**

**Note:**

- (1) All questions are compulsory and carry equal marks.
- (2) Draw neat sketches wherever necessary.

**Attempt any four. (20 Marks)**

- 1) Explain the construction and working of JFET.
- 2) What is MOSFET? Explain its construction.
- 3) Differentiate between FET and BJT.
- 4) Explain construction and working of UJT.
- 5) Describe the working and characteristics of SCR.

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Science College, Congress Nagar, Nagpur

**Department of Electronics**

Class: B. Sc. (Semester-II) Subject: Electronics (Paper- II)

Session: - 2022 - 2023

**Unit Test - I**

Name of the Teacher: Ms. Saylee Bende

Date: 10/12/2022


Batch: M3 (PEM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	BORKAR OM GAJANAN	8
2	CHAKRE ANIKET SANJEEV	11
3	CHANIANA KIRANPREET KAUR	5
4	CHAUHAN MOHIT PRADEEP	6
5	CHAUDHARY SHRUTI MAHARAJ SINGH	10
6	DUBEY ISHA ROSHAN	AA
7	FULZELE KASHISH GAJENDRA	AA
8	GOWARDIPE KAJAL PURUSHOTTAM	11
9	HEDAHO DHIRAJ RAJENDRA	13
10	JAMBHULKAR SHRUTI MAHENDRA	10
11	KANGALE ACHAL RUSHI	AA
12	KAMBLE NAYAN ASHOK	9
13	KHOTELE MAYANK HEMANTKUMAR	6
14	MISHRA SHASHWAT RAMAKANT	7
15	MONDHE VISHAL VISHWANATH	10
16	NAGPURKAR GAGAN MAROTI	15
17	PANDE UNNATI RAJU	11
18	PUNDE DEVANSHU SANJAY	10
19	SINGH KASHISH NAGENDRA	8
20	SINGH SHEETAL AZADE	9
21	SONWANE BHAGYASHREE CHANDRAKUMAR	11
22	VAIDYA SUHANI RAJU	AA
23	VISHWAKARMA MANISH SUDARSHAN	12
24	YADAV TAMANNA VIJAY	AA

Batch: M10 (ECsM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	AKRE KHUSHI KAILASH	AA
2	BAGDE SHREYA TARACHAND	6
3	BARDE YASHIKA KUNDLIK	7
4	BHATTALWAR VARAD ATUL	9
5	CHANDEL JAY MANOJSINGH	11
6	CHAVAN PRATIK PREMDAS	7
7	DAWARE SARVESH SUDHIR	11
8	DESAI AKHILESH AJAY	12

9	DHOBLE VAISHNAVI GAJANAN	10
10	DHOTE ARYA RAJENDRA	12
11	GHORMARE KRUTIKA ANKUSH	11
12	GHUGAL ABHISHAKTI HARIBHAU	AA
13	HUMNE SANGITA KANHAIYA	AA
14	HULKE VINAY MORESHWAR	AA
15	KODANE PUNESHA DILIP	AA
16	KAMBE SAKSHI MANOJ	7
17	KANHER JANHVI PANDHARI	14
18	LUTE HIMANSHI RAMESH	11
19	LENDE SANJANA KISHOR	12
20	MALIK NIKHIL JITENRA	AA
21	MANKAR UJJWAL RAJESH	7
22	MANKAR VEDANT CHANRASHEKHAR	10
23	MOHATURE TANHVI CHANDRASHEKHAR	12
24	MALL ANUSHKA VIJAY	AA
25	PANPATTE MINL NANDKISHOR	AA
26	PARTEKI RIYA SANJAY	7
27	RAUT JATIN MUKESH	10
28	RAHATE SAKSHI DEVENDRA	14
29	UMREDKAR HARSHAL RAJESH	6

  
**Prof. S. M. Ghatole**  
**Professor & Head**  
**Department of Electronics,**  
**Shri Shivaji Scienca Collage,**  
**Congress Nagar, Nagpur.**

**Bachelor of Science (B.Sc.) Semester-II Examination**  
**Session 2022-23**  
**Electronics (Paper-II)**  
**Unit Test - I**

**Time: One Hour]**

**[Maximum Marks: 20**

**Date:10-12-2022**

**Note:**

- (1) All questions are compulsory and carry equal marks.
- (2) Draw neat sketches wherever necessary.

**Attempt any four. (20 Marks)**

- 1) What are drawbacks of RC coupled and DC coupled amplifier?
- 2) Draw block diagram of Op-amp and explain each block briefly.
- 3) Explain need of dual power supply for differential with diagram.
- 4) What are advantages of differential amplifier?
- 5) What is offset null?

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

**Department of Electronics**

Class: B. Sc. (Semester-II) Subject: Electronics (Paper- II)

Session: - 2022 - 2023

**Unit Test - II**

Name of the Teacher: Ms. Saylee Bende

Date: 23/01/2023


Batch: M3 (PEM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	BORKAR OM GAJANAN	AA
2	CHAKRE ANIKET SANJEEV	7
3	CHANIANA KIRANPREET KAUR	7
4	CHAUHAN MOHIT PRADEEP	8
5	CHAUDHARY SHRUTI MAHARAJ SINGH	11
6	DUBEY ISHA ROSHAN	12
7	FULZELE KASHISH GAJENDRA	13
8	GOWARDIPE KAJAL PURUSHOTTAM	6
9	HEDAHO DHIRAJ RAJENDRA	8
10	JAMBHULKAR SHRUTI MAHENDRA	11
11	KANGALE ACHAL RUSHI	AA
12	KAMBLE NAYAN ASHOK	AA
13	KHOTELE MAYANK HEMANTKUMAR	5
14	MISHRA SHASHWAT RAMAKANT	7
15	MONDHE VISHAL VISHWANATH	12
16	NAGPURKAR GAGAN MAROTI	13
17	PANDE UNNATI RAJU	11
18	PUNDE DEVANSHU SANJAY	10
19	SINGH KASHISH NAGENDRA	12
20	SINGH SHEETAL AZADE	11
21	SONWANE BHAGYASHREE CHANDRAKUMAR	AA
22	VAIDYA SUHANI RAJU	13
23	VISHWAKARMA MANISH SUDARSHAN	10
24	YADAV TAMANNA VIJAY	8

Batch: M10 (ECsM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	AKRE KHUSHI KAILASH	AA
2	BAGDE SHREYA TARACHAND	9
3	BARDE YASHIKA KUNDLIK	12
4	BHATTALWAR VARAD ATUL	11
5	CHANDEL JAY MANOJSINGH	10
6	CHAVAN PRATIK PREMDAS	12
7	DAWARE SARVESH SUDHIR	14
8	DESAI AKHILESH AJAY	11

9	DHOBLE VAISHNAVI GAJANAN	14
10	DHOTE ARYA RAJENDRA	12
11	GHORMARE KRUTIKA ANKUSH	11
12	GHUGAL ABHISHAKTI HARIBHAU	6
13	HUMNE SANGITA KANHAIYA	4
14	HULKE VINAY MORESHWAR	6
15	KODANE PUNESHA DILIP	12
16	KAMBE SAKSHI MANOJ	11
17	KANHER JANHVI PANDHARI	15
18	LUTE HIMANSHI RAMESH	6
19	LENDE SANJANA KISHOR	7
20	MALIK NIKHIL JITENRA	AA
21	MANKAR UJJWAL RAJESH	AA
22	MANKAR VEDANT CHANRASHEKHAR	11
23	MOHATURE TANHVI CHANDRASHEKHAR	6
24	MALL ANUSHKA VIJAY	AA
25	PANPATTE MINL NANDKISHOR	AA
26	PARTEKI RIYA SANJAY	AA
27	RAUT JATIN MUKESH	11
28	RAHATE SAKSHI DEVENDRA	14
29	UMREDKAR HARSHAL RAJESH	5

  
 Prof. S. M. Ghatole  
 Professor & Head  
 Department of Electronics,  
 Shri Shivaji Science College,  
 Congress Nagar, Nagpur.

**Bachelor of Science (B.Sc.) Semester-II Examination**  
**Session 2022-23**  
**Electronics (Paper-II)**  
**Unit Test - II**

**Time: One Hour]**

**[Maximum Marks: 20**

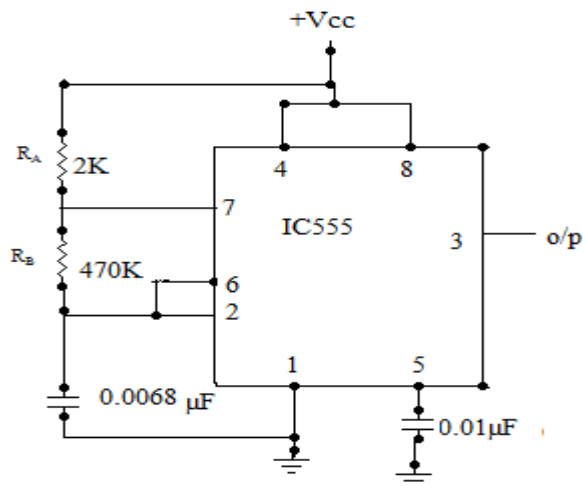
**Date:23-01-2023**

**Note:**

- (1) All questions are compulsory and carry equal marks.
- (2) Draw neat sketches wherever necessary.

**Attempt all. (20 Marks)**

- 1) Explain OPAMP as Schmitt trigger and Define hysteresis voltage
- 2) Draw block diagram of IC555 and explain function of each block.
- 3) Explain different types of voltage comparator using OP-Amp. with diagram
- 4) Find frequency and duty cycle from the given circuit diagram.



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

**Department of Electronics**

Class: B. Sc. (Semester-III) Subject: Electronics (Paper- I)

Session: - 2022 - 2023

**Unit Test - I**

Name of the Teacher: Prof. S. M. Ghatole

Date: 03/09/2022


Batch: M3 (PEM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	BALAPURE PARI GAJANAN	10
2	BANSOD NIKHIL MILIND	11
3	BEDEKAR TUSHAR VAIBHAV	14
4	BHIWGADE SHRINAY YOGESH	10
5	DHADSE VAISHNAVI VIJAY	12
6	DHAKATE SAKSHI PRAMOD	6
7	JADHAV AASTHA SANJU	8
8	JOSHI ARTI SUBHASH	11
9	KHAPRE MUSKAN PRAKASH	10
10	KUKDE ABHINAV BHUPENDRA	9
11	LODHIKAR ANJALI NANESHWAR	9
12	MESHRAM NISHANT DUSHYANT	11
13	MESHRAM ROSHNI SHRIHARI	7
14	MISAR KHUSHI MANOJ	11
15	MISHRA MAHEK PRAMOD	12
16	PATEL LOKESH SHRINIWAS	14
17	PATHAK MUSKAN VINAY	16
18	SATHWANE SHUBHAM RAJENDRA	12
19	SHARMA SNEHA RANJAYKUMAR	11
20	SIRSAT VIKRANT DEVENDRA	6
21	SONPIMPALE YASH ARVIND	7
22	UKINKAR PIYUSH MANOHARRAO	11
23	WAGH SARANG VILAS	6
24	ZADE GAURI MUKESH	5
25	JAYSWAL ABHISHEK SANJEEV	7

Batch: M10 (ECsM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	AMNERKAR ASHUTOSH DHARMENDRA	10
2	BARAI YOGESHREE DINESH	AA
3	BARAMATE KHUSHI SHASHIKANT	6
4	BARAPATRE ANIKET PURUSHOTTAM	12
5	DANGE PRATIKSHA BABAN	11
6	DESHBHRATAR PARMITA SIDDHARTH	AA
7	DOKWAL SHREYA NARENDRA	17

8	GUMGAONKAR PRATHMESH DINESH	11
9	JADHAV AKSHATA SUNIL	10
10	JIBHAKATE VAIDEHI SUNIL	8
11	JUNANKAR GAYATRI PRAVIN	7
12	KHIANI VISHAKA MANGHANLAL	18
13	KIRPAN AKANKSHA KUMESHWAR	15
14	KOCHE PRIYANSH BABURAO	11
15	KUMBHRE YASH RAMESHWAR	12
16	KUMRE PUSHPAK SUDESH	10
17	LANJEWAR SAKSHI MOTIRAM	13
18	MAKODE HARSHU CHANDU	10
19	NAGARDHANKAR SARVESH LILADHAR	12
20	PATIL RUDHALI RAMESH	13
21	RANGARI HARSHAL BHOJRAJ	AA
22	RAO KIRAN SHANTA	14
23	SAMARTH SHRUTI SUNIL	11
24	SANGITRAO VIPUL DIPAK	16
25	SONTAKKE NUPUL MAHENDRA	11
26	TAKALKHEDE DISHA SUNIL	10
27	TAMBUSKAR RUSHIKESH SATISHRAO	AA
28	THAKRE KRUTIKA NIRAJ	AA
29	UPRADE SAUMYA FULSING	AA
30	WAKDE SANCHIT CHANDRASHEKHAR	7

  
 Prof. S. M. Ghatole  
 Professor & Head  
 Department of Electronics,  
 Shri Shivaji Science College,  
 Congress Nagar, Nagpur.

**Bachelor of Science (B.Sc.) Semester-III Examination**  
**Session 2022-23**  
**Electronics (Paper-I)**  
**Unit Test-I**

**Time: One Hour]**

**[Maximum Marks: 20**

**Date:03-09-2022**

**Note:**

- (1) All questions are compulsory and carry equal marks.
- (2) Draw neat sketches wherever necessary.

**Attempt any four. (20 Marks)**

- 1) Explain need of ADC and DAC. 4
- 2) Explain parameters of ADC: i) Resolution  
ii)Speed      iii) Range 3
- 3) Explain the working of dual slope ADC .What is advantages  
Of dual slope ADC? 3+2
- 4) Logical level for 5 bit R-2R ladder are  $1=5V$  and  $0 = 0V$  .  
Find the output voltage for output i) 10101    ii) 11001 3
- 5) What are limitations of weighted 4bit DAC? Explain R-2R  
Ladder 4 bit DAC. 2+3

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

**Department of Electronics**

Class: B. Sc. (Semester-III) Subject: Electronics (Paper- I)

Session: - 2022 - 2023

**Unit Test - II**

Name of the Teacher: Ms. Saylee Bende

Date: 08/10/2022


Batch: M3 (PEM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	BALAPURE PARI GAJANAN	8
2	BANSOD NIKHIL MILIND	12
3	BEDEKAR TUSHAR VAIBHAV	5
4	BHIWGADE SHRINAY YOGESH	AA
5	DHADSE VAISHNAVI VIJAY	12
6	DHAKATE SAKSHI PRAMOD	14
7	JADHAV AASTHA SANJU	12
8	JOSHI ARTI SUBHASH	13
9	KHAPRE MUSKAN PRAKASH	11
10	KUKDE ABHINAV BHUPENDRA	AA
11	LODHIKAR ANJALI NANESHWAR	AA
12	MESHRAM NISHANT DUSHYANT	AA
13	MESHRAM ROSHNI SHRIHARI	11
14	MISAR KHUSHI MANOJ	10
15	MISHRA MAHEK PRAMOD	6
16	PATEL LOKESH SHRINIWAS	8
17	PATHAK MUSKAN VINAY	12
18	SATHWANE SHUBHAM RAJENDRA	12
19	SHARMA SNEHA RANJAYKUMAR	13
20	SIRSAT VIKRANT DEVENDRA	7
21	SONPIMPALE YASH ARVIND	10
22	UKINKAR PIYUSH MANOHARRAO	6
23	WAGH SARANG VILAS	AA
24	ZADE GAURI MUKESH	10
25	JAYSWAL ABHISHEK SANJEEV	12

Batch: M10 (ECsM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	AMNERKAR ASHUTOSH DHARMENDRA	AA
2	BARAI YOGESHREE DINESH	AA
3	BARAMATE KHUSHI SHASHIKANT	7
4	BARAPATRE ANIKET PURUSHOTTAM	7
5	DANGE PRATIKSHA BABAN	12
6	DESHBHRATAR PARMITA SIDDHARTH	AA
7	DOKWAL SHREYA NARENDRA	18

8	GUMGAONKAR PRATHMESH DINESH	12
9	JADHAV AKSHATA SUNIL	11
10	JIBHAKATE VAIDEHI SUNIL	13
11	JUNANKAR GAYATRI PRAVIN	10
12	KHIANI VISHAKA MANGHANLAL	16
13	KIRPAN AKANKSHA KUMESHWAR	15
14	KOCHE PRIYANSH BABURAO	12
15	KUMBHRE YASH RAMESHWAR	12
16	KUMRE PUSHPAK SUDESH	11
17	LANJEWAR SAKSHI MOTIRAM	14
18	MAKODE HARSHU CHANDU	7
19	NAGARDHANKAR SARVESH LILADHAR	12
20	PATIL RUDHALI RAMESH	10
21	RANGARI HARSHAL BHOJRAJ	AA
22	RAO KIRAN SHANTA	17
23	SAMARTH SHRUTI SUNIL	12
24	SANGITRAO VIPUL DIPAK	14
25	SONTAKKE NUPUL MAHENDRA	11
26	TAKALKHEDE DISHA SUNIL	AA
27	TAMBUSKAR RUSHIKESH SATISHRAO	AA
28	THAKRE KRUTIKA NIRAJ	7
29	UPRADE SAUMYA FULSING	AA
30	WAKDE SANCHIT CHANDRASHEKHAR	8

  
 Prof. S. M. Ghatole  
 Professor & Head  
 Department of Electronics,  
 Shri Shivaji Science College,  
 Congress Nagar, Nagpur.

**Bachelor of Science (B.Sc.) Semester-III Examination**  
**Session 2022-23**  
**Electronics (Paper-II Topic: Analogue and digital circuit)**  
**Unit Test -II**

**Time: One Hour]**

**[Maximum Marks: 20**

**Date:02-09-2022**

**Note:**

- (1) All questions are compulsory and carry equal marks.
- (2) Draw neat sketches wherever necessary.

- |  |     |
|--|-----|
| 1) Explain need of ADC and DAC.  | 4   |
| 2) Explain parameters of ADC: i) Resolution<br>ii)Speed      iii) Range  | 3   |
| 3) Explain the working of dual slope ADC .What is advantages<br>Of dual slope ADC?   | 3+2 |
| 4) Logical level for 5 bit R-2R ladder are $1=5V$ and $0 = 0V$ .<br>Find the output voltage for output i) 10101    ii) 11001 | 3   |
| 5) What are limitations of weighted 4bit DAC? Explain R-2R<br>Ladder 4 bit DAC.  | 2+3 |

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

**Department of Electronics**

Class: B. Sc. (Semester-IV) Subject: Electronics (Paper- I)

Session: - 2022 - 2023

**Unit Test - I**

Name of the Teacher: Prof. S. M. Ghatole

Date: 10/12/2022


Batch: M3 (PEM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	BALAPURE PARI GAJANAN	10
2	BANSOD NIKHIL MILIND	12
3	BEDEKAR TUSHAR VAIBHAV	11
4	BHIWGADE SHRINAY YOGESH	AA
5	DHADSE VAISHNAVI VIJAY	12
6	DHAKATE SAKSHI PRAMOD	14
7	JADHAV AASTHA SANJU	10
8	JOSHI ARTI SUBHASH	7
9	KHAPRE MUSKAN PRAKASH	7
10	KUKDE ABHINAV BHUPENDRA	8
11	LODHIKAR ANJALI NANESHWAR	11
12	MESHRAM NISHANT DUSHYANT	10
13	MESHRAM ROSHNI SHRIHARI	7
14	MISAR KHUSHI MANOJ	8
15	MISHRA MAHEK PRAMOD	9
16	PATEL LOKESH SHRINIWAS	6
17	PATHAK MUSKAN VINAY	12
18	SATHWANE SHUBHAM RAJENDRA	11
19	SHARMA SNEHA RANJAYKUMAR	11
20	SIRSAT VIKRANT DEVENDRA	AA
21	SONPIMPALE YASH ARVIND	AA
22	UKINKAR PIYUSH MANOHARRAO	12
23	WAGH SARANG VILAS	7
24	ZADE GAURI MUKESH	8
25	JAYSWAL ABHISHEK SANJEEV	10

Batch: M10 (ECsM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	AMNERKAR ASHUTOSH DHARMENDRA	10
2	BARAI YOGESHREE DINESH	AA
3	BARAMATE KHUSHI SHASHIKANT	AA
4	BARAPATRE ANIKET PURUSHOTTAM	AA
5	DANGE PRATIKSHA BABAN	12
6	DESHBHRATAR PARMITA SIDDHARTH	AA
7	DOKWAL SHREYA NARENDRA	16

8	GUMGAONKAR PRATHMESH DINESH	12
9	JADHAV AKSHATA SUNIL	12
10	JIBHAKATE VAIDEHI SUNIL	12
11	JUNANKAR GAYATRI PRAVIN	13
12	KHIANI VISHAKA MANGHANLAL	17
13	KIRPAN AKANKSHA KUMESHWAR	15
14	KOCHE PRIYANSH BABURAO	11
15	KUMBHRE YASH RAMESHWAR	12
16	KUMRE PUSHPAK SUDESH	12
17	LANJEWAR SAKSHI MOTIRAM	12
18	MAKODE HARSHU CHANDU	AA
19	NAGARDHANKAR SARVESH LILADHAR	13
20	PATIL RUDHALI RAMESH	10
21	RANGARI HARSHAL BHOJRAJ	8
22	RAO KIRAN SHANTA	18
23	SAMARTH SHRUTI SUNIL	12
24	SANGITRAO VIPUL DIPAK	15
25	SONTAKKE NUPUL MAHENDRA	10
26	TAKALKHEDE DISHA SUNIL	6
27	TAMBUSKAR RUSHIKESH SATISHRAO	AA
28	THAKRE KRUTIKA NIRAJ	AA
29	UPRADE SAUMYA FULSING	AA
30	WAKDE SANCHIT CHANDRASHEKHAR	7

  
 Prof. S. M. Ghatole  
 Professor & Head  
 Department of Electronics,  
 Shri Shivaji Science College,  
 Congress Nagar, Nagpur.



**Bachelor of Science (B.Sc.) Semester-IV Examination**  
**Session 2022-23**  
**Electronics (Paper-I)**  
**Unit Test -I**

**Time: One Hour]**

**[Maximum Marks: 20**

**Date:10-12-2022**

**Note:**

- (1) All questions are compulsory and carry equal marks.
- (2) Draw neat sketches wherever necessary.

**Attempt any four. (20)**

- 1) Explain Amplitude modulation in brief along with waveform. Draw and explain frequency spectrum at AM wave.
- 2) Derive an expression for power calculation in AM wave. Give the comparison between AM and FM.
- 3) What is multiplexing? Explain its classification. Describe the process of FDM and TDM and state any three differences between them.
- 4) State different types of Noise and explain it.
- 5) Explain (a) sources of noise (b) Signal to noise ratio (c) Noise figure.

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

**Department of Electronics**

Class: B. Sc. (Semester-IV) Subject: Electronics (Paper- I)

Session: - 2022 - 2023

**Unit Test - II**

Name of the Teacher: Prof. S. M. Ghatole

Date: 24/01/2023


Batch: M3 (PEM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	BALAPURE PARI GAJANAN	13
2	BANSOD NIKHIL MILIND	6
3	BEDEKAR TUSHAR VAIBHAV	7
4	BHIWGADE SHRINAY YOGESH	8
5	DHADSE VAISHNAVI VIJAY	12
6	DHAKATE SAKSHI PRAMOD	14
7	JADHAV AASTHA SANJU	12
8	JOSHI ARTI SUBHASH	10
9	KHAPRE MUSKAN PRAKASH	AA
10	KUKDE ABHINAV BHUPENDRA	11
11	LODHIKAR ANJALI NANESHWAR	10
12	MESHRAM NISHANT DUSHYANT	AA
13	MESHRAM ROSHNI SHRIHARI	AA
14	MISAR KHUSHI MANOJ	AA
15	MISHRA MAHEK PRAMOD	11
16	PATEL LOKESH SHRINIWAS	10
17	PATHAK MUSKAN VINAY	14
18	SATHWANE SHUBHAM RAJENDRA	11
19	SHARMA SNEHA RANJAYKUMAR	AA
20	SIRSAT VIKRANT DEVENDRA	10
21	SONPIMPALE YASH ARVIND	10
22	UKINKAR PIYUSH MANOHARRAO	12
23	WAGH SARANG VILAS	7
24	ZADE GAURI MUKESH	8
25	JAYSWAL ABHISHEK SANJEEV	12

Batch: M10 (ECsM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	AMNERKAR ASHUTOSH DHARMENDRA	6
2	BARAI YOGESHREE DINESH	AA
3	BARAMATE KHUSHI SHASHIKANT	12
4	BARAPATRE ANIKET PURUSHOTTAM	8
5	DANGE PRATIKSHA BABAN	12

6	DESHBHRATAR PARMITA SIDDHARTH	6
7	DOKWAL SHREYA NARENDRA	18
8	GUMGAONKAR PRATHMESH DINESH	12
9	JADHAV AKSHATA SUNIL	12
10	JIBHAKATE VAIDEHI SUNIL	10
11	JUNANKAR GAYATRI PRAVIN	12
12	KHIANI VISHAKA MANGHANLAL	16
13	KIRPAN AKANKSHA KUMESHWAR	15
14	KOCHE PRIYANSH BABURAO	11
15	KUMBHRE YASH RAMESHWAR	12
16	KUMRE PUSHPAK SUDESH	AA
17	LANJEWAR SAKSHI MOTIRAM	AA
18	MAKODE HARSHU CHANDU	AA
19	NAGARDHANKAR SARVESH LILADHAR	12
20	PATIL RUDHALI RAMESH	10
21	RANGARI HARSHAL BHOJRAJ	6
22	RAO KIRAN SHANTA	17
23	SAMARTH SHRUTI SUNIL	12
24	SANGITRAO VIPUL DIPAK	16
25	SONTAKKE NUPUL MAHENDRA	12
26	TAKALKHEDE DISHA SUNIL	7
27	TAMBUSKAR RUSHIKESH SATISHRAO	7
28	THAKRE KRUTIKA NIRAJ	10
29	UPRADE SAUMYA FULSING	10
30	WAKDE SANCHIT CHANDRASHEKHAR	AA

  
 Prof . S. M. Ghatole  
 Professor & Head  
 Department of Electronics,  
 Shri Shivaji Science Collage,  
 Congress Nagar, Nagpur.

**Bachelor of Science (B.Sc.) Semester-IV Examination**  
**Session 2022-23**  
**Electronics (Paper-I)**  
**Unit Test -II**

**Time: One Hour]**

**[Maximum Marks: 20**

**Date:24-01-2023**

**Note:**

- (1) All questions are compulsory and carry equal marks.
- (2) Draw neat sketches wherever necessary.

**Attempt any four. (20)**

- 1) Explain Am transmitters with the block diagram.
- 2) Explain super-heterodyne receiver with the block diagram.
- 3) Differentiate between AM and FM receiver.
- 4) What are transmission lines? What are the different types of transmission lines?
- 5) What are standing waves? How are they produced? What does a high SWR indicate in terms of impedance match?

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

**Department of Electronics**

Class: B. Sc. (Semester-IV) Subject: Electronics (Paper- II)

Session: - 2022 - 2023

**Unit Test - I**

Name of the Teacher: Ms. Saylee Bende

Date: 17/12/2022


Batch: M3 (PEM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	BALAPURE PARI GAJANAN	AA
2	BANSOD NIKHIL MILIND	10
3	BEDEKAR TUSHAR VAIBHAV	12
4	BHIWGADE SHRINAY YOGESH	AA
5	DHADSE VAISHNAVI VIJAY	12
6	DHAKATE SAKSHI PRAMOD	14
7	JADHAV AASTHA SANJU	12
8	JOSHI ARTI SUBHASH	11
9	KHAPRE MUSKAN PRAKASH	AA
10	KUKDE ABHINAV BHUPENDRA	AA
11	LODHIKAR ANJALI NANESHWAR	AA
12	MESHRAM NISHANT DUSHYANT	10
13	MESHRAM ROSHNI SHRIHARI	8
14	MISAR KHUSHI MANOJ	7
15	MISHRA MAHEK PRAMOD	12
16	PATEL LOKESH SHRINIWAS	10
17	PATHAK MUSKAN VINAY	14
18	SATHWANE SHUBHAM RAJENDRA	12
19	SHARMA SNEHA RANJAYKUMAR	12
20	SIRSAT VIKRANT DEVENDRA	AA
21	SONPIMPALE YASH ARVIND	AA
22	UKINKAR PIYUSH MANOHARRAO	10
23	WAGH SARANG VILAS	8
24	ZADE GAURI MUKESH	7
25	JAYSWAL ABHISHEK SANJEEV	9

Batch: M10 (ECsM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	AMNERKAR ASHUTOSH DHARMENDRA	8
2	BARAI YOGESHREE DINESH	AA
3	BARAMATE KHUSHI SHASHIKANT	AA
4	BARAPATRE ANIKET PURUSHOTTAM	10
5	DANGE PRATIKSHA BABAN	12
6	DESHBHRATAR PARMITA SIDDHARTH	AA
7	DOKWAL SHREYA NARENDRA	17

8	GUMGAONKAR PRATHMESH DINESH	10
9	JADHAV AKSHATA SUNIL	12
10	JIBHAKATE VAIDEHI SUNIL	11
11	JUNANKAR GAYATRI PRAVIN	13
12	KHIANI VISHAKA MANGHANLAL	18
13	KIRPAN AKANKSHA KUMESHWAR	16
14	KOCHE PRIYANSH BABURAO	11
15	KUMBHRE YASH RAMESHWAR	12
16	KUMRE PUSHPAK SUDESH	10
17	LANJEWAR SAKSHI MOTIRAM	8
18	MAKODE HARSHU CHANDU	9
19	NAGARDHANKAR SARVESH LILADHAR	12
20	PATIL RUDHALI RAMESH	10
21	RANGARI HARSHAL BHOJRAJ	AA
22	RAO KIRAN SHANTA	16
23	SAMARTH SHRUTI SUNIL	11
24	SANGITRAO VIPUL DIPAK	15
25	SONTAKKE NUPUL MAHENDRA	11
26	TAKALKHEDE DISHA SUNIL	8
27	TAMBUSKAR RUSHIKESH SATISHRAO	AA
28	THAKRE KRUTIKA NIRAJ	AA
29	UPRADE SAUMYA FULSING	AA
30	WAKDE SANCHIT CHANDRASHEKHAR	10

  
 Prof. S. M. Ghatole  
 Professor & Head  
 Department of Electronics,  
 Shri Shivaji Science College,  
 Congress Nagar, Nagpur.

**Bachelor of Science (B.Sc.) Semester-IV Examination**  
**Session 2022-23**  
**Electronics (Paper-II)**  
**Unit Test -I**

**Time: One Hour]**

**[Maximum Marks: 20**

**Date:17-12-2022**

**Note:**

- (1) All questions are compulsory and carry equal marks.
- (2) Draw neat sketches wherever necessary.

**Attempt the following: (20 Marks)**

(A) What is digital Instrumentation system ? Draw and explain the block diagram of it. State the characteristics of it. (2+6+2)

**OR**

(B) Define dedicated, versatile and stand alone instrumentation systems. What is calibration ? List the different calibration standards. (6+4)

2. (A) Explain the classification of transducer with suitable examples. Enlist the photo transducers and explain its principle of operation. (6+4)

**OR**

(B) Enlist the characteristics of transducer and explain it. (10)

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

**Department of Electronics**

Class: B. Sc. (Semester-IV) Subject: Electronics (Paper-II)

Session: - 2022 - 2023

**Unit Test - II**

Name of the Teacher: Ms. Saylee Bende

Date: 16/01/2023

Batch: M3 (PEM)


<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	BALAPURE PARI GAJANAN	11
2	BANSOD NIKHIL MILIND	6
3	BEDEKAR TUSHAR VAIBHAV	7
4	BHIWGADE SHRINAY YOGESH	AA
5	DHADSE VAISHNAVI VIJAY	13
6	DHAKATE SAKSHI PRAMOD	15
7	JADHAV AASTHA SANJU	12
8	JOSHI ARTI SUBHASH	12
9	KHAPRE MUSKAN PRAKASH	11
10	KUKDE ABHINAV BHUPENDRA	10
11	LODHIKAR ANJALI NANESHWAR	8
12	MESHRAM NISHANT DUSHYANT	AA
13	MESHRAM ROSHNI SHRIHARI	AA
14	MISAR KHUSHI MANOJ	AA
15	MISHRA MAHEK PRAMOD	11
16	PATEL LOKESH SHRINIWAS	12
17	PATHAK MUSKAN VINAY	14
18	SATHWANE SHUBHAM RAJENDRA	11
19	SHARMA SNEHA RANJAYKUMAR	10
20	SIRSAT VIKRANT DEVENDRA	AA
21	SONPIMPALE YASH ARVIND	11
22	UKINKAR PIYUSH MANOHARRAO	12
23	WAGH SARANG VILAS	8
24	ZADE GAURI MUKESH	7
25	JAYSWAL ABHISHEK SANJEEV	8

Batch: M10 (ECsM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	AMNERKAR ASHUTOSH DHARMENDRA	AA
2	BARAI YOGESHREE DINESH	AA
3	BARAMATE KHUSHI SHASHIKANT	AA
4	BARAPATRE ANIKET PURUSHOTTAM	5
5	DANGE PRATIKSHA BABAN	6
6	DESHBHRATAR PARMITA SIDDHARTH	AA
7	DOKWAL SHREYA NARENDRA	18



8	GUMGAONKAR PRATHMESH DINESH	12
9	JADHAV AKSHATA SUNIL	14
10	JIBHAKATE VAIDEHI SUNIL	11
11	JUNANKAR GAYATRI PRAVIN	12
12	KHIANI VISHAKA MANGHANLAL	17
13	KIRPAN AKANKSHA KUMESHWAR	16
14	KOCHE PRIYANSH BABURAO	10
15	KUMBHRE YASH RAMESHWAR	12
16	KUMRE PUSHPAK SUDESH	7
17	LANJEWAR SAKSHI MOTIRAM	8
18	MAKODE HARSHU CHANDU	7
19	NAGARDHANKAR SARVESH LILADHAR	12
20	PATIL RUDHALI RAMESH	10
21	RANGARI HARSHAL BHOJRAJ	AA
22	RAO KIRAN SHANTA	16
23	SAMARTH SHRUTI SUNIL	11
24	SANGITRAO VIPUL DIPAK	15
25	SONTAKKE NUPUL MAHENDRA	12
26	TAKALKHEDE DISHA SUNIL	AA
27	TAMBUSKAR RUSHIKESH SATISHRAO	AA
28	THAKRE KRUTIKA NIRAJ	10
29	UPRADE SAUMYA FULSING	7
30	WAKDE SANCHIT CHANDRASHEKHAR	6

  
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**Bachelor of Science (B.Sc.) Semester-IV Examination**  
**Session 2022-23**  
**Electronics (Paper-II)**  
**Unit Test -II**

**Time: One Hour]**

**[Maximum Marks: 20**

**Date:16-01-2023**

**Note:**

- (1) All questions are compulsory and carry equal marks.
- (2) Draw neat sketches wherever necessary.

**Attempt the following (20 Marks)**

1. (A) Describe PC based instrumentation system. Draw the block diagram of Virtual instrumentation system and explain it. 5+5

**OR**

(B) Draw the block diagram of Electronic system and explain it. What is analog and digital electronic system ? Describe the characteristics of measuring instrument. 6+2+2

2. (A) Explain the measurement of temperature using IC LM 35. Explain (i) Active and Passive

(ii) Primary and secondary transducers with suitable examples. 6+4

**OR**

(B) Describe the principle of operation and working of thermistor for the measurement of temperature. Explain the concept of sensor and actuator. 6+4

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

**Department of Electronics**

Class: B. Sc. (Semester-V) Subject: Electronics (Paper- I)

Session: - 2022 - 2023

**Unit Test - I**

Name of the Teacher: Prof. S. M. Ghatole

Date: 30/08/2022


Batch: M3 (PEM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	ALONE YASH ANIL	10
2	BANGDE ANSH PURUSHOTTAM	11
3	BASOPURKAR SARAS PRAKASH	AA
4	BODKHE PRATIKSHA DILIP	12
5	BOMLE TANMAY VIJAY	10
6	BOTHLIKAR MUNISH SADASHIV	8
7	CHATAP DIPTI NILKANTH	7
8	DATAR MITALI SUNIL	12
9	DINESHWAR PUNAM BHOLRAM	12
10	DESHMUKH SOHAM PRASHANT	14
11	DESHPANDE MIUKTA RAVINDRA	12
12	DURGE RUPALI RAJU	15
13	GADGE ANIKET PARSHURAM	12
14	GEETHEY PRATHA RAJESH	13
15	KALE NISHANT UMRAO	12
16	KIRNAKE NALINI DEEPAK	14
17	MADAVI PIYUSH PUNDLIK	12
18	MAHAKALKAR RAHUL VINODRAO	AA
19	MANDVE SAMEER CHANDU	8
20	MISHRA PRASHANT RAMKIRTAN	8
21	NAYAK RUPALI RAVINDRA	7
22	POHARE SHUBHAM SHASHIKANT	12
23	RAUT SHRADDHA VISHWAS	10
24	SHEIKH SIMRAN FATEMA	12
25	TINGURIA ADARSH ATUL	10
26	VYAS JIGAR VIRBHADRANATH	12
27	WANKHEDE DIKSHA SANAJY	13

Batch: M10 (ECsM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	BACHALE HIMANSHU JAGESHWAR	AA
2	BANSOD ROHAN RAMBHAU	AA
3	BHENDE SAMIDHA ABHAY	12
4	CHAUDHARI SHARVARI SANJAY	14
5	DURGE RISHIKA JAGDISH	15

6	FASATE ABHISHEK NARENDRA	10
7	GHAGRE HARSHAL YUVRAJ	12
8	GHUGAL KALYANI PANDHARI	10
9	GURAO TEJAS VINOD	12
10	KHANAPURKAR MRUNALINI MOHAN	14
11	KOLHE SAKSHI KANCHAN	11
12	KORDE TANISHQ ARVIND	12
13	KULMETHE JAYASHRI VISHNU	8
14	LANJEWAR JYOTI RAMESH	7
15	LOKHANDE AVANTIKA GURUDAS	8
16	MASKE TANMAY PRADIPRAO	9
17	MENDHE ANIKET JAGDISH	11
18	MESHARAM ANCHAL JIYALAL	9
19	MISHRA NIKITA GAYAPRASAD	7
20	NANDANWAR YOGESH WAMAN	12
21	NEWARE ATHARVA RAMESHRAO	11
22	PADMAWAR SAMRUDHI SANJAY	12
23	PARISE PRATHMESH JITENDRA	13
24	PARDHI JANHAVI PRABHAKR	11
25	PIMPARKAR DNYANESH JAYANT	10
26	POUNIKAR PRANAYA SURESH	5
27	RATHOD VISHAL RAMLAL	6
28	ROKADE ARPIT GANESH	7
29	SHIVANKAR DHANASHRI ANANDRAO	8
30	SUTSONKAR KALYANI SANTOSH	12
31	THAKUR SIYA AMARSINGH	12
32	UPASE KETKI SHIVDAS	13
33	WARKHADE PRANAY SOFAN	9
34	ZOMBADE BHUSHAN KISAN	10

  
 Prof . S. M. Ghatole  
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 Department of Electronics,  
 Shri Shivaji Sciencia College,  
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**Bachelor of Science (B.Sc.) Semester-V Examination**  
**Session 2022-23**  
**Electronics (Paper-I)**  
**Unit Test -I**

**Time: One Hour]**

**[Maximum Marks: 20**

**Date:30-08-2022**

**Note:**

- (1) All questions are compulsory and carry equal marks.
- (2) Draw neat sketches wherever necessary.

**Attempt any four (20 Marks)**

- 1) Draw and explain the block diagram of fibre optic communication system.
- 2) Define acceptance cone/ angle, critical angle and numerical aperture.
- 3) Differentiate between LED and LASER diode source.
- 4) What is the working principle and characteristics of LASER and LED.
- 5) Explain Attenuation, absorption, scattering loss, bending loss and dispersion loss.

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

**Department of Electronics**

Class: B. Sc. (Semester-V) Subject: Electronics (Paper- I)

Session: - 2022 - 2023

**Unit Test - II**

Name of the Teacher: Mrs. S. A. Sagdeo

Date: 30/09/2022


Batch: M3 (PEM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	ALONE YASH ANIL	AA
2	BANGDE ANSH PURUSHOTTAM	10
3	BASOPURKAR SARAS PRAKASH	11
4	BODKHE PRATIKSHA DILIP	12
5	BOMLE TANMAY VIJAY	AA
6	BOTHLIKAR MUNISH SADASHIV	AA
7	CHATAP DIPTI NILKANTH	9
8	DATAR MITALI SUNIL	10
9	DINESHWAR PUNAM BHOLRAM	12
10	DESHMUKH SOHAM PRASHANT	12
11	DESHPANDE MIUKTA RAVINDRA	14
12	DURGE RUPALI RAJU	12
13	GADGE ANIKET PARSHURAM	10
14	GEETHEY PRATHA RAJESH	12
15	KALE NISHANT UMRAO	11
16	KIRNAKE NALINI DEEPAK	12
17	MADAVI PIYUSH PUNDLIK	AA
18	MAHAKALKAR RAHUL VINODRAO	10
19	MANDVE SAMEER CHANDU	8
20	MISHRA PRASHANT RAMKIRTAN	6
21	NAYAK RUPALI RAVINDRA	7
22	POHARE SHUBHAM SHASHIKANT	5
23	RAUT SHRADDHA VISHWAS	6
24	SHEIKH SIMRAN FATEMA	10
25	TINGURIA ADARSH ATUL	7
26	VYAS JIGAR VIRBHADRANATH	8
27	WANKHEDE DIKSHA SANAJY	12

Batch: M10 (ECsM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	BACHALE HIMANSHU JAGESHWAR	AA
2	BANSOD ROHAN RAMBHAU	AA
3	BHENDE SAMIDHA ABHAY	11
4	CHAUDHARI SHARVARI SANJAY	12
5	DURGE RISHIKA JAGDISH	

6	FASATE ABHISHEK NARENDRA	12
7	GHAGRE HARSHAL YUVRAJ	12
8	GHUGAL KALYANI PANDHARI	10
9	GURAO TEJAS VINOD	14
10	KHANAPURKAR MRUNALINI MOHAN	14
11	KOLHE SAKSHI KANCHAN	6
12	KORDE TANISHQ ARVIND	7
13	KULMETHE JAYASHRI VISHNU	11
14	LANJEWAR JYOTI RAMESH	11
15	LOKHANDE AVANTIKA GURUDAS	8
16	MASKE TANMAY PRADIPRAO	7
17	MENDHE ANIKET JAGDISH	7
18	MESHARAM ANCHAL JIYALAL	5
19	MISHRA NIKITA GAYAPRASAD	11
20	NANDANWAR YOGESH WAMAN	11
21	NEWARE ATHARVA RAMESHRAO	10
22	PADMAWAR SAMRUDHI SANJAY	10
23	PARISE PRATHMESH JITENDRA	AA
24	PARDHI JANHAVI PRABHAKR	11
25	PIMPARKAR DNYANESH JAYANT	AA
26	POUNIKAR PRANAYA SURESH	12
27	RATHOD VISHAL RAMLAL	14
28	ROKADE ARPIT GANESH	7
29	SHIVANKAR DHANASHRI ANANDRAO	6
30	SUTSONKAR KALYANI SANTOSH	14
31	THAKUR SIYA AMARSINGH	12
32	UPASE KETKI SHIVDAS	12
33	WARKHADE PRANAY SOFAN	13
34	ZOMBADE BHUSHAN KISAN	11

  
 Prof . S. M. Ghatole  
 Professor & Head  
 Department of Electronics,  
 Shri Shivaji Scienca College,  
 Congress Nagar, Nagpur.

**Bachelor of Science (B.Sc.) Semester-V Examination**  
**Session 2022-23**  
**Electronics (Paper-I)**  
**Unit Test -II**

**Time: One Hour]**

**[Maximum Marks: 20**

**Date:30-09-2022**

**Note:**

- (1) All questions are compulsory and carry equal marks.
- (2) Draw neat sketches wherever necessary.

**Attempt any four (20 Marks)**

- 1) State and Prove Sampling theorem in time domain.
- 2) Explain in detail, Delta modulation with suitable diagram. Write advantages and disadvantages of Delta modulation.
- 3) Draw and explain block diagram of PCM generator and PCM receiver.
- 4) Write advantages, disadvantages and drawbacks of PSK, ASK and FSK.
- 5) Explain synchronous and asynchronous transmission.

\*\*\*



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

**Department of Electronics**

Class: B. Sc. (Semester-V) Subject: Electronics (Paper-II)

Session: - 2022 - 2023

**Unit Test - I**

Name of the Teacher: Mrs. S. A. Sagdeo

Date: 03/09/2022


Batch: M3 (PEM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	ALONE YASH ANIL	11
2	BANGDE ANSH PURUSHOTTAM	7
3	BASOPURKAR SARAS PRAKASH	8
4	BODKHE PRATIKSHA DILIP	9
5	BOMLE TANMAY VIJAY	11
6	BOTHLIKAR MUNISH SADASHIV	12
7	CHATAP DIPTI NILKANTH	6
8	DATAR MITALI SUNIL	7
9	DINESHWAR PUNAM BHOLRAM	12
10	DESHMUKH SOHAM PRASHANT	11
11	DESHPANDE MIUKTA RAVINDRA	10
12	DURGE RUPALI RAJU	8
13	GADGE ANIKET PARSHURAM	5
14	GEETHEY PRATHA RAJESH	8
15	KALE NISHANT UMRAO	12
16	KIRNAKE NALINI DEEPAK	12
17	MADAVI PIYUSH PUNDLIK	14
18	MAHAKALKAR RAHUL VINODRAO	5
19	MANDVE SAMEER CHANDU	6
20	MISHRA PRASHANT RAMKIRTAN	AA
21	NAYAK RUPALI RAVINDRA	7
22	POHARE SHUBHAM SHASHIKANT	9
23	RAUT SHRADDHA VISHWAS	11
24	SHEIKH SIMRAN FATEMA	10
25	TINGURIA ADARSH ATUL	AA
26	VYAS JIGAR VIRBHADRANATH	10
27	WANKHEDE DIKSHA SANAJY	AA

Batch: M10 (ECsM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	BACHALE HIMANSHU JAGESHWAR	AA
2	BANSOD ROHAN RAMBHAU	AA
3	BHENDE SAMIDHA ABHAY	12
4	CHAUDHARI SHARVARI SANJAY	15
5	DURGE RISHIKA JAGDISH	16

6	FASATE ABHISHEK NARENDRA	10
7	GHAGRE HARSHAL YUVRAJ	12
8	GHUGAL KALYANI PANDHARI	11
9	GURAO TEJAS VINOD	6
10	KHANAPURKAR MRUNALINI MOHAN	7
11	KOLHE SAKSHI KANCHAN	9
12	KORDE TANISHQ ARVIND	12
13	KULMETHE JAYASHRI VISHNU	12
14	LANJEWAR JYOTI RAMESH	13
15	LOKHANDE AVANTIKA GURUDAS	12
16	MASKE TANMAY PRADIPRAO	11
17	MENDHE ANIKET JAGDISH	AA
18	MESHAM ANCHAL JIYALAL	AA
19	MISHRA NIKITA GAYAPRASAD	6
20	NANDANWAR YOGESH WAMAN	7
21	NEWARE ATHARVA RAMESHRAO	11
22	PADMAWAR SAMRUDHI SANJAY	12
23	PARISE PRATHMESH JITENDRA	10
24	PARDHI JANHAVI PRABHAKR	AA
25	PIMPARKAR DNYANESH JAYANT	AA
26	POUNIKAR PRANAYA SURESH	6
27	RATHOD VISHAL RAMLAL	8
28	ROKADE ARPIT GANESH	12
29	SHIVANKAR DHANASHRI ANANDRAO	12
30	SUTSONKAR KALYANI SANTOSH	15
31	THAKUR SIYA AMARSINGH	11
32	UPASE KETKI SHIVDAS	12
33	WARKHADE PRANAY SOFAN	AA
34	ZOMBADE BHUSHAN KISAN	AA

  
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**Bachelor of Science (B.Sc.) Semester-V Examination**  
**Session 2022-23**  
**Electronics (Paper-II)**  
**Unit Test -I**

**Time: One Hour]**

**[Maximum Marks: 20**

**Date:03-09-2022**

**Note:**

- (1) All questions are compulsory and carry equal marks.
- (2) Draw neat sketches wherever necessary.

Attempt the following (20 Marks)

1. (A) Draw and explain functional block diagram of 8085. 10

**OR**

(B) Explain instruction cycle of 8085. Explain execution cycle of MOV A, B instruction. 6+4

2. (A) Explain the following instruction with one suitable example :

- (i) MOV A, M
- (ii) LXI D, 16 bit data
- (iii) CMA
- (iv) LHLD addr
- (v) RAR. 10

**OR**

(B) Assume that HL pair holds 2000 H. What will be the contents of HL pair after the execution of following instructions independently :

- (i) INX H (ii) DCX H
- (iii) INR H (iv) DCR L

Explain various addressing modes of 8085 with suitable example. 4+6

\*\*\*

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

**Department of Electronics**

Class: B. Sc. (Semester-V) Subject: Electronics (Paper-II)

Session: - 2022 - 2023

**Unit Test - II**

Name of the Teacher: Prof. S. M. Ghatole

Date: 04/10/2022


Batch: M3 (PEM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	ALONE YASH ANIL	7
2	BANGDE ANSH PURUSHOTTAM	4
3	BASOPURKAR SARAS PRAKASH	6
4	BODKHE PRATIKSHA DILIP	9
5	BOMLE TANMAY VIJAY	11
6	BOTHLIKAR MUNISH SADASHIV	12
7	CHATAP DIPTI NILKANTH	5
8	DATAR MITALI SUNIL	7
9	DINESHWAR PUNAM BHOLRAM	12
10	DESHMUKH SOHAM PRASHANT	11
11	DESHPANDE MIUKTA RAVINDRA	12
12	DURGE RUPALI RAJU	14
13	GADGE ANIKET PARSHURAM	AA
14	GEETHEY PRATHA RAJESH	AA
15	KALE NISHANT UMRAO	6
16	KIRNAKE NALINI DEEPAK	7
17	MADAVI PIYUSH PUNDLIK	12
18	MAHAKALKAR RAHUL VINODRAO	11
19	MANDVE SAMEER CHANDU	10
20	MISHRA PRASHANT RAMKIRTAN	AA
21	NAYAK RUPALI RAVINDRA	AA
22	POHARE SHUBHAM SHASHIKANT	12
23	RAUT SHRADDHA VISHWAS	11
24	SHEIKH SIMRAN FATEMA	12
25	TINGURIA ADARSH ATUL	10
26	VYAS JIGAR VIRBHADRANATH	12
27	WANKHEDE DIKSHA SANAJY	13

Batch: M10 (ECsM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	BACHALE HIMANSHU JAGESHWAR	AA
2	BANSOD ROHAN RAMBHAU	AA
3	BHENDE SAMIDHA ABHAY	11
4	CHAUDHARI SHARVARI SANJAY	15
5	DURGE RISHIKA JAGDISH	12

6	FASATE ABHISHEK NARENDRA	11
7	GHAGRE HARSHAL YUVRAJ	11
8	GHUGAL KALYANI PANDHARI	10
9	GURAO TEJAS VINOD	12
10	KHANAPURKAR MRUNALINI MOHAN	14
11	KOLHE SAKSHI KANCHAN	11
12	KORDE TANISHQ ARVIND	12
13	KULMETHE JAYASHRI VISHNU	12
14	LANJEWAR JYOTI RAMESH	11
15	LOKHANDE AVANTIKA GURUDAS	AA
16	MASKE TANMAY PRADIPRAO	AA
17	MENDHE ANIKET JAGDISH	10
18	MESHAM ANCHAL JIYALAL	5
19	MISHRA NIKITA GAYAPRASAD	7
20	NANDANWAR YOGESH WAMAN	11
21	NEWARE ATHARVA RAMESHRAO	12
22	PADMAWAR SAMRUDHI SANJAY	10
23	PARISE PRATHMESH JITENDRA	9
24	PARDHI JANHAVI PRABHAKR	AA
25	PIMPARKAR DNYANESH JAYANT	AA
26	POUNIKAR PRANAYA SURESH	10
27	RATHOD VISHAL RAMLAL	11
28	ROKADE ARPIT GANESH	12
29	SHIVANKAR DHANASHRI ANANDRAO	AA
30	SUTSONKAR KALYANI SANTOSH	15
31	THAKUR SIYA AMARSINGH	12
32	UPASE KETKI SHIVDAS	11
33	WARKHADE PRANAY SOFAN	10
34	ZOMBADE BHUSHAN KISAN	AA

  
 Prof . S. M. Ghatole  
 Professor & Head  
 Department of Electronics,  
 Shri Shivaji Science College,  
 Congress Nagar, Nagpur.

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

**Session 2022-23**

**Electronics (Paper-II)**

**Unit Test -II**

**Time: One Hour]**

**[Maximum Marks: 20**

**Date:04-10-2022**

**Note:**

- (1) All questions are compulsory and carry equal marks.
- (2) Draw neat sketches wherever necessary.

**Attempt (20 Marks)**

1. (A) List various conditional and unconditional jump instructions of 8085. Write an ALP to find out the smaller of two 8-bit numbers stored in memory location 2100 H and 2101 H. Store the result in 2102 H. (6+4)

**OR**

(B) Explain stack and subroutine operations of 8085. Explain the execution of PUSH and POP instruction with suitable example. (6+4)

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

**Department of Electronics**

Class: B. Sc. (Semester-VI) Subject: Electronics (Paper- I)

Session: - 2022 - 2023

**Unit Test - I**

Name of the Teacher: Dr. J. K. Keche

Date: 17/12/2022


Batch: M3 (PEM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	ALONE YASH ANIL	9
2	BANGDE ANSH PURUSHOTTAM	AA
3	BASOPURKAR SARAS PRAKASH	10
4	BODKHE PRATIKSHA DILIP	12
5	BOMLE TANMAY VIJAY	8
6	BOTHLIKAR MUNISH SADASHIV	11
7	CHATAP DIPTI NILKANTH	13
8	DATAR MITALI SUNIL	10
9	DINESHWAR PUNAM BHOLRAM	12
10	DESHMUKH SOHAM PRASHANT	10
11	DESHPANDE MIUKTA RAVINDRA	12
12	DURGE RUPALI RAJU	10
13	GADGE ANIKET PARSHURAM	13
14	GEETHEY PRATHA RAJESH	13
15	KALE NISHANT UMRAO	14
16	KIRNAKE NALINI DEEPAK	7
17	MADAVI PIYUSH PUNDLIK	AA
18	MAHAKALKAR RAHUL VINODRAO	10
19	MANDVE SAMEER CHANDU	8
20	MISHRA PRASHANT RAMKIRTAN	10
21	NAYAK RUPALI RAVINDRA	8
22	POHARE SHUBHAM SHASHIKANT	10
23	RAUT SHRADDHA VISHWAS	12
24	SHEIKH SIMRAN FATEMA	10
25	TINGURIA ADARSH ATUL	11
26	VYAS JIGAR VIRBHADRANATH	14
27	WANKHEDE DIKSHA SANAJY	12

Batch: M10 (ECsM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	BACHALE HIMANSHU JAGESHWAR	11
2	BANSOD ROHAN RAMBHAU	12
3	BHENDE SAMIDHA ABHAY	10
4	CHAUDHARI SHARVARI SANJAY	14
5	DURGE RISHIKA JAGDISH	10

6	FASATE ABHISHEK NARENDRA	8
7	GHAGRE HARSHAL YUVRAJ	7
8	GHUGAL KALYANI PANDHARI	14
9	GURAO TEJAS VINOD	12
10	KHANAPURKAR MRUNALINI MOHAN	10
11	KOLHE SAKSHI KANCHAN	AA
12	KORDE TANISHQ ARVIND	10
13	KULMETHE JAYASHRI VISHNU	11
14	LANJEWAR JYOTI RAMESH	13
15	LOKHANDE AVANTIKA GURUDAS	8
16	MASKE TANMAY PRADIPRAO	10
17	MENDHE ANIKET JAGDISH	13
18	MESHAM ANCHAL JIYALAL	10
19	MISHRA NIKITA GAYAPRASAD	AA
20	NANDANWAR YOGESH WAMAN	AA
21	NEWARE ATHARVA RAMESHRAO	11
22	PADMAWAR SAMRUDHI SANJAY	12
23	PARISE PRATHMESH JITENDRA	14
24	PARDHI JANHAVI PRABHAKR	10
25	PIMPARKAR DNYANESH JAYANT	12
26	POUNIKAR PRANAYA SURESH	15
27	RATHOD VISHAL RAMLAL	10
28	ROKADE ARPIT GANESH	12
29	SHIVANKAR DHANASHRI ANANDRAO	11
30	SUTSONKAR KALYANI SANTOSH	14
31	THAKUR SIYA AMARSINGH	10
32	UPASE KETKI SHIVDAS	13
33	WARKHADE PRANAY SOFAN	9
34	ZOMBADE BHUSHAN KISAN	AA

  
 Prof . S. M. Ghatole  
 Professor & Head  
 Department of Electronics,  
 Shri Shivaji Science College,  
 Congress Nagar, Nagpur.



**Bachelor of Science (B.Sc.) Semester-VI Examination**  
**Session 2022-23**  
**Electronics (Paper-I Topic: Programming in 'C' Unit No. 1)**  
**Unit Test -I**

**Time: One Hour]**

**[Maximum Marks: 20**

**Date:17-12-2022**

**Note:**

- (1) All questions are compulsory and carry equal marks.
- (2) Draw neat and labelled diagram wherever necessary.

**Attempt the following 20 Marks)**

1. (A) Enlist various types of C operators. Differentiate between pre and post increment of a variable and explain with suitable example. State the difference between logical and bitwise operators with suitable examples in each case. [10]  
**OR**  
(B) Answer the following: [10]
  - (i) What is Keyword? State its importance enlist any five keywords in 'C'.
  - (ii) Write a program in 'C' to convert given temperature from Fahrenheit to Celsius.
2. Attempt any five. [10]
  - a) What is C token?
  - b) List the rules for naming variables giving example.
  - c) Explain how a variable can be declared with suitable example.
  - d) Explain conditional operator with its format.
  - e) State the merits of 'C' language.
  - f) Explain the purpose of following: printf( ), scanf( ).

\* \* \* \* \*

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

**Department of Electronics**

Class: B. Sc. (Semester-VI) Subject: Electronics (Paper-I)

Session: - 2022 - 2023

**Unit Test - II**

Name of the Teacher: Dr. J. K. Keche

Date: 04/02/2023


Batch: M3 (PEM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	ALONE YASH ANIL	10
2	BANGDE ANSH PURUSHOTTAM	AA
3	BASOPURKAR SARAS PRAKASH	AA
4	BODKHE PRATIKSHA DILIP	13
5	BOMLE TANMAY VIJAY	10
6	BOTHLIKAR MUNISH SADASHIV	11
7	CHATAP DIPTI NILKANTH	14
8	DATAR MITALI SUNIL	15
9	DINESHWAR PUNAM BHOLRAM	11
10	DESHMUKH SOHAM PRASHANT	10
11	DESHPANDE MIUKTA RAVINDRA	13
12	DURGE RUPALI RAJU	15
13	GADGE ANIKET PARSHURAM	AA
14	GEETHEY PRATHA RAJESH	14
15	KALE NISHANT UMRAO	14
16	KIRNAKE NALINI DEEPAK	10
17	MADAVI PIYUSH PUNDLIK	AA
18	MAHAKALKAR RAHUL VINODRAO	11
19	MANDVE SAMEER CHANDU	AA
20	MISHRA PRASHANT RAMKIRTAN	10
21	NAYAK RUPALI RAVINDRA	7
22	POHARE SHUBHAM SHASHIKANT	11
23	RAUT SHRADDHA VISHWAS	10
24	SHEIKH SIMRAN FATEMA	10
25	TINGURIA ADARSH ATUL	8
26	VYAS JIGAR VIRBHADRANATH	13
27	WANKHEDE DIKSHA SANAJY	AA

Batch: M10 (ECsM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	BACHALE HIMANSHU JAGESHWAR	12
2	BANSOD ROHAN RAMBHAU	10
3	BHENDE SAMIDHA ABHAY	14
4	CHAUDHARI SHARVARI SANJAY	16
5	DURGE RISHIKA JAGDISH	16

6	FASATE ABHISHEK NARENDRA	11
7	GHAGRE HARSHAL YUVRAJ	10
8	GHUGAL KALYANI PANDHARI	17
9	GURAO TEJAS VINOD	14
10	KHANAPURKAR MRUNALINI MOHAN	13
11	KOLHE SAKSHI KANCHAN	11
12	KORDE TANISHQ ARVIND	10
13	KULMETHE JAYASHRI VISHNU	12
14	LANJEWAR JYOTI RAMESH	AA
15	LOKHANDE AVANTIKA GURUDAS	AA
16	MASKE TANMAY PRADIPRAO	11
17	MENDHE ANIKET JAGDISH	14
18	MESHRAM ANCHAL JIYALAL	9
19	MISHRA NIKITA GAYAPRASAD	10
20	NANDANWAR YOGESH WAMAN	7
21	NEWARE ATHARVA RAMESHRAO	12
22	PADMAWAR SAMRUDHI SANJAY	8
23	PARISE PRATHMESH JITENDRA	13
24	PARDHI JANHAVI PRABHAKR	7
25	PIMPARKAR DNYANESH JAYANT	11
26	POUNIKAR PRANAYA SURESH	13
27	RATHOD VISHAL RAMLAL	12
28	ROKADE ARPIT GANESH	13
29	SHIVANKAR DHANASHRI ANANDRAO	8
30	SUTSONKAR KALYANI SANTOSH	14
31	THAKUR SIYA AMARSINGH	6
32	UPASE KETKI SHIVDAS	14
33	WARKHADE PRANAY SOFAN	10
34	ZOMBADE BHUSHAN KISAN	8

  
 Prof . S. M. Ghatole  
 Professor & Head  
 Department of Electronics,  
 Shri Shivaji Scienca College,  
 Congress Nagar, Nagpur.

**Bachelor of Science (B.Sc.) Semester-VI Examination**  
**Session 2022-23**  
**Electronics (Paper-I Topic: Programming in 'C' Unit No. 2 & 3)**  
**Unit Test-II**

**Time: One Hour]**

**[Maximum Marks: 20**

**Date:04-02-2023**

**Note:**

- (1) All questions are compulsory and carry equal marks.
- (2) Draw neat and labelled diagram wherever necessary.

**Attempt the following (20Marks)**

1. (A) Answer the following: [5+5]
  - i) What are decision making and branching statements? Explain nested if ..... else statement with example.
  - ii) What is the use of continue statement in loops? Differentiate between while loop and do\_while loop.

**OR**

- (B) Answer the following: [5+5]
  - (i) Give the difference between while and do while loops. Explain the working of "switch" statement.
  - (ii) Write a program to find whether the given number is positive or negative.
2. Attempt any five. [10]
  - a) Give the general form of simple if statement.
  - b) Write generalized syntax of a function.
  - c) What is need of user defined functions?
  - d) What is the meaning of nesting of a loop?
  - e) Is it possible to initialize unions?
  - f) What is function of break statement?

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

**Department of Electronics**

Class: B. Sc. (Semester-VI) Subject: Electronics (Paper-II)

Session: - 2022 - 2023

**Unit Test - I**

Name of the Teacher: Mrs. Sonali Sagdeo

Date: 03/01/2023


Batch: M3 (PEM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	ALONE YASH ANIL	11
2	BANGDE ANSH PURUSHOTTAM	10
3	BASOPURKAR SARAS PRAKASH	12
4	BODKHE PRATIKSHA DILIP	13
5	BOMLE TANMAY VIJAY	AA
6	BOTHLIKAR MUNISH SADASHIV	AA
7	CHATAP DIPTI NILKANTH	11
8	DATAR MITALI SUNIL	15
9	DINESHWAR PUNAM BHOLRAM	12
10	DESHMUKH SOHAM PRASHANT	12
11	DESHPANDE MIUKTA RAVINDRA	13
12	DURGE RUPALI RAJU	15
13	GADGE ANIKET PARSHURAM	11
14	GEETHEY PRATHA RAJESH	11
15	KALE NISHANT UMRAO	13
16	KIRNAKE NALINI DEEPAK	8
17	MADAVI PIYUSH PUNDLIK	11
18	MAHAKALKAR RAHUL VINODRAO	10
19	MANDVE SAMEER CHANDU	AA
20	MISHRA PRASHANT RAMKIRTAN	AA
21	NAYAK RUPALI RAVINDRA	10
22	POHARE SHUBHAM SHASHIKANT	11
23	RAUT SHRADDHA VISHWAS	AA
24	SHEIKH SIMRAN FATEMA	10
25	TINGURIA ADARSH ATUL	7
26	VYAS JIGAR VIRBHADRANATH	12
27	WANKHEDE DIKSHA SANAJY	16

Batch: M10 (ECsM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	BACHALE HIMANSHU JAGESHWAR	AA
2	BANSOD ROHAN RAMBHAU	AA
3	BHENDE SAMIDHA ABHAY	AA
4	CHAUDHARI SHARVARI SANJAY	14

5	DURGE RISHIKA JAGDISH	16
6	FASATE ABHISHEK NARENDRA	11
7	GHAGRE HARSHAL YUVRAJ	12
8	GHUGAL KALYANI PANDHARI	10
9	GURAO TEJAS VINOD	12
10	KHANAPURKAR MRUNALINI MOHAN	15
11	KOLHE SAKSHI KANCHAN	11
12	KORDE TANISHQ ARVIND	14
13	KULMETHE JAYASHRI VISHNU	15
14	LANJEWAR JYOTI RAMESH	11
15	LOKHANDE AVANTIKA GURUDAS	AA
16	MASKE TANMAY PRADIPRAO	AA
17	MENDHE ANIKET JAGDISH	AA
18	MESHARAM ANCHAL JIYALAL	AA
19	MISHRA NIKITA GAYAPRASAD	11
20	NANDANWAR YOGESH WAMAN	12
21	NEWARE ATHARVA RAMESHRAO	12
22	PADMAWAR SAMRUDHI SANJAY	14
23	PARISE PRATHMESH JITENDRA	15
24	PARDHI JANHAVI PRABHAKR	12
25	PIMPARKAR DNYANESH JAYANT	6
26	POUNIKAR PRANAYA SURESH	7
27	RATHOD VISHAL RAMLAL	11
28	ROKADE ARPIT GANESH	13
29	SHIVANKAR DHANASHRI ANANDRAO	6
30	SUTSONKAR KALYANI SANTOSH	17
31	THAKUR SIYA AMARSINGH	11
32	UPASE KETKI SHIVDAS	12
33	WARKHADE PRANAY SOFAN	AA
34	ZOMBADE BHUSHAN KISAN	AA

  
 Prof. S. M. Ghatole  
 Professor & Head  
 Department of Electronics,  
 Shri Shivaji Science College,  
 Congress Nagar, Nagpur.

**Bachelor of Science (B.Sc.) Semester-VI Examination**  
**Session 2022-23**  
**Electronics (Paper-II)**  
**Unit Test -I**

**Time: One Hour]**

**[Maximum Marks: 20**

**Date:03-01-2023**

**Note:**

- (1) All questions are compulsory and carry equal marks.
- (2) Draw neat sketches wherever necessary.

**Attempt the following (20Marks)**

1. (A) What is Microcontroller ? Differentiate between microprocessor and microcontroller. Explain the PSW register and the function of the each bits of it. 1+4+5

**OR**

(B) Explain the internal RAM organization of 8051 microcontroller. 10

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

**Department of Electronics**

Class: B. Sc. (Semester-VI) Subject: Electronics (Paper-II)

Session: - 2022 - 2023

**Unit Test - II**

Name of the Teacher: Mrs. Sonali Sagdeo

Date: 06/02/2023

Batch: M3 (PEM)


<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	ALONE YASH ANIL	AA
2	BANGDE ANSH PURUSHOTTAM	12
3	BASOPURKAR SARAS PRAKASH	12
4	BODKHE PRATIKSHA DILIP	13
5	BOMLE TANMAY VIJAY	AA
6	BOTHLIKAR MUNISH SADASHIV	AA
7	CHATAP DIPTI NILKANTH	11
8	DATAR MITALI SUNIL	14
9	DINESHWAR PUNAM BHOLRAM	AA
10	DESHMUKH SOHAM PRASHANT	12
11	DESHPANDE MIUKTA RAVINDRA	14
12	DURGE RUPALI RAJU	16
13	GADGE ANIKET PARSHURAM	11
14	GEETHEY PRATHA RAJESH	12
15	KALE NISHANT UMRAO	14
16	KIRNAKE NALINI DEEPAK	12
17	MADAVI PIYUSH PUNDLIK	AA
18	MAHAKALKAR RAHUL VINODRAO	AA
19	MANDVE SAMEER CHANDU	5
20	MISHRA PRASHANT RAMKIRTAN	6
21	NAYAK RUPALI RAVINDRA	6
22	POHARE SHUBHAM SHASHIKANT	11
23	RAUT SHRADDHA VISHWAS	12
24	SHEIKH SIMRAN FATEMA	5
25	TINGURIA ADARSH ATUL	6
26	VYAS JIGAR VIRBHADRANATH	11
27	WANKHEDE DIKSHA SANAJY	AA

Batch: M10 (ECsM)

<b>Sr. No.</b>	<b>Full Name of Student</b>	<b>Unit Test Marks (Out of 20)</b>
1	BACHALE HIMANSHU JAGESHWAR	AA
2	BANSOD ROHAN RAMBHAU	11
3	BHENDE SAMIDHA ABHAY	10
4	CHAUDHARI SHARVARI SANJAY	7
5	DURGE RISHIKA JAGDISH	14



6	FASATE ABHISHEK NARENDRA	11
7	GHAGRE HARSHAL YUVRAJ	12
8	GHUGAL KALYANI PANDHARI	11
9	GURAO TEJAS VINOD	14
10	KHANAPURKAR MRUNALINI MOHAN	13
11	KOLHE SAKSHI KANCHAN	AA
12	KORDE TANISHQ ARVIND	AA
13	KULMETHE JAYASHRI VISHNU	14
14	LANJEWAR JYOTI RAMESH	11
15	LOKHANDE AVANTIKA GURUDAS	12
16	MASKE TANMAY PRADIPRAO	10
17	MENDHE ANIKET JAGDISH	11
18	MESHARAM ANCHAL JIYALAL	AA
19	MISHRA NIKITA GAYAPRASAD	12
20	NANDANWAR YOGESH WAMAN	12
21	NEWARE ATHARVA RAMESHRAO	10
22	PADMAWAR SAMRUDHI SANJAY	11
23	PARISE PRATHMESH JITENDRA	14
24	PARDHI JANHAVI PRABHAKR	11
25	PIMPARKAR DNYANESH JAYANT	8
26	POUNIKAR PRANAYA SURESH	7
27	RATHOD VISHAL RAMLAL	6
28	ROKADE ARPIT GANESH	12
29	SHIVANKAR DHANASHRI ANANDRAO	AA
30	SUTSONKAR KALYANI SANTOSH	15
31	THAKUR SIYA AMARSINGH	11
32	UPASE KETKI SHIVDAS	AA
33	WARKHADE PRANAY SOFAN	AA
34	ZOMBADE BHUSHAN KISAN	8

  
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 Shri Shivaji Science College,  
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**Bachelor of Science (B.Sc.) Semester-VI Examination**  
**Session 2022-23**  
**Electronics (Paper-II)**  
**Unit Test -II**

**Time: One Hour]**

**[Maximum Marks: 20**

**Date:06-02-2023**

**Note:**

- (1) All questions are compulsory and carry equal marks.
- (2) Draw neat sketches wherever necessary.

**Attempt the following (20 Marks)**

(A) Explain various addressing modes of 8051 microcontroller with suitable examples. 10

**OR**

(B) State the function of following instructions and classify according to instruction set :

- (i) MOV@DPTR, A
- (ii) RRCA
- (iii) SWAP A
- (iv) MULAB
- (v) MOV R<sub>0</sub>, # 06 H 10

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