

Vivekanand College, Kolhapur
(Empowered Autonomous) B.Sc.-II
(Sem-III) -2023 Online Unit Test

**Chapter 2-Analog Modulation-
Demodulation**

Subject-Electronics Paper No-III Section-I Subject Code: DSC-1005C

Name of Paper: Electronic Communication Chapter 2: Analog Modulation-
Demodulation

Date: 03 /12/2023 Time:11.00 am to 11.30 am

Total Marks: 20

Instructions:

- 1.All Questions are compulsory.
- 2.Each Question carries 2 Marks.

* Indicates required question

1. Email *

2. Student name (First name_ Middle name_ Last name) *

3. 1. In Amplitude Modulation, modulation index is -----

Mark only one oval.

- V_m/V_c
- V_c/V_m
- F_m/F_c
- none of these



4. 2. In Amplitude Modulation, if the maximum modulating signal frequency is 10KHz then required bandwidth for AM modulated signal is -----.

Mark only one oval.

- 10KHz
 20KHz
 40KHz
 5KHz

5. 3. In amplitude modulation, the ----- of parameters of carrier is varied according to the strength of the information signal.

Mark only one oval.

- Amplitude
 Frequency
 Phase
 None of these

6. 4. In AM, when $E_m < E_c$, then this condition is known as -----

Mark only one oval.

- Under modulation
 Over Modulation
 Ideal condition
 None of these



7. 5. Demodulation is done at -----

Mark only one oval.

- Transmitter
- Receiver
- Between transmitter and radio receiver
- None of these

8. 6. In AM, when $E_m = E_c$, then this condition is known as -----

Mark only one oval.

- Under Modulation
- Over Modulation
- Ideal condition
- None of these

9. 7. Frequency band allowed for frequency modulation is -----

Mark only one oval.

- 540 KHz to 1600 KHz
- 88MHz to 108MHz
- 88KHz to 108KHz
- 840 MHz to 936 MHz



10. 8. In an AM wave, the majority of the power is in -----

Mark only one oval.

- Lower sideband
- Upper sideband
- Carrier
- None of these



11. 9. Slope detector is used for -----

Mark only one oval.

- Frequency Modulation
- Frequency Demodulation
- Amplitude Modulation
- Amplitude Demodulation

12. 10. In AM, an ideal modulation condition we have -----

Mark only one oval.

- $ma=1$
- $ma < 1$
- $ma > 1$
- none of these

This content is neither created nor endorsed by Google.

Google Forms




Vivekanand College, Kolhapur (Empowered Autonomous)

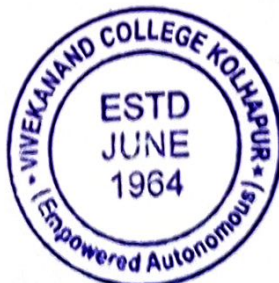
B.Sc.-II (Sem-III) -2023

Online Unit Test-2 Marksheet

Chapter 2: Analog Modulation-Demodulation

Sr.No	Timestamp	Student name	Marks (Out of 20)
1	03-12-2023 11:03	Sahil Nivruti Bamane	10
2	03-12-2023 11:05	Aditya Mansing Patil	10
3	03-12-2023 11:05	Samarth Shrikant Patil	18
4	03-12-2023 11:05	Aditya Mahesh Altekar	18
5	03-12-2023 11:05	Vaibhavi Jaysing Chougule	8
6	03-12-2023 11:06	Sami Ali Tibin Ahmed	20
7	03-12-2023 11:06	Aarati Mane	8
8	03-12-2023 11:06	Anushka Sunil Shete	20
9	03-12-2023 11:07	YASH TUKARAM ASANEKAR	10
10	03-12-2023 11:08	Sairaj Nandkumar Nimbalkar	10
11	03-12-2023 11:08	Swapnil suresh patil	18
12	03-12-2023 11:08	Pratham pradeep sawant	18
13	03-12-2023 11:08	Vikrant rajendra surve	6
14	03-12-2023 11:09	Sanika Santosh Dhumale	20
15	03-12-2023 11:09	Gaurav Ajit dadarne	12
16	03-12-2023 11:09	Aditya Sharad mane	18
17	03-12-2023 11:09	Abhishek Sunil Bhadarage	10
18	03-12-2023 11:13	Ketan girishkumar tiwade	18
19	03-12-2023 11:13	Pradnya pradip patil	18
20	03-12-2023 11:13	Shreya Shashikant Hirdekar	18
21	03-12-2023 11:16	Niraj Rajesh Warange	18
22	03-12-2023 11:17	Prathamesh bhagavan patil	20
23	03-12-2023 11:18	Dhiraj babaso ghumai	18
24	03-12-2023 11:19	Sharvari Kuldeep Patil	20
25	03-12-2023 11:19	Vedant Prashant Mangaonkar	14
26	03-12-2023 11:20	Sai Chandrakant Chougule	8
27	03-12-2023 11:21	Sanika Sanjay Kumbhar	8
28	03-12-2023 11:22	Diksha Yuvaraj Kumbhar	8
29	03-12-2023 11:24	KIRTI SAMBHAJI PATIL	18
30	03-12-2023 11:25	Sanika Subhash parpolkar	18
31	03-12-2023 11:25	Poonam Narsu Patil	18
32	03-12-2023 11:25	Gayatri Gundu Kangralkar	20
33	03-12-2023 11:26	Sanika Ravindra Gurav	16
34	03-12-2023 11:28	Shravani Bhimarav Bavache	14
35	03-12-2023 11:30	RAVIRAJ BAJIRAO PATIL	18
36	03-12-2023 11:37	Sanket Jaykumar Lambe	18
37	03-12-2023 11:37	Sammed Dhanyakumar Patil	18
38	03-12-2023 12:42	Ahmed qasim hasan	20


Sign of Teacher
Mr.P.R.Bagade




Dr. C. B. Patil
HEAD
DEPARTMENT OF ELECTRONICS
VIVEKANAND COLLEGE, KOLHAPUR
(EMPOWERED AUTONOMOUS)