

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

**Chapter 3-Analog Pulse Modulation**

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

Name of Paper: Electronic Communication Chapter 3: Analog Pulse Modulation

Data: 04 /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. According to Nyquist theorem, sampling frequency should be -----

*Mark only one oval.*

- equal to input signal frequency
- twice the input signal frequency
- less than input signal frequency
- none of these



4. 2. In \_\_\_\_\_ modulation technique, the position and width of pulse are constant.

*Mark only one oval.*

- PPM
- PWM
- PAM
- None of these

5. 3. In Pulse Amplitude Modulation (PAM), -----parameter of the pulse varies in accordance with the modulating signal.

*Mark only one oval.*

- Amplitude
- Frequency
- Phase
- None of these

6. 4. How many voltage levels are present in a PWM signal?

*Mark only one oval.*

- 1
- 2
- 3
- None of these



7. 5. In ----- modulation, the amplitude and width of pulse are constant.

Mark only one oval.

- PAM
- PPM
- PWM
- None of these

8. 6. In pulse amplitude modulation, -----

Mark only one oval.

- Amplitude of the pulse train is varied
- Width of the pulse train is varied
- Frequency of the pulse train is varied
- None of these

9. 7. In Pulse Width Modulation (PWM), ----- parameter of the pulse varies in accordance with the modulating signal.

Mark only one oval.

- Amplitude
- Position
- Width
- None of these

10. 8. Shannon's channel capacity is -----

Mark only one oval.

- $C = B \times \log_2(1 + S/N)$
- $C = B \times 2(1 + S/N)$
- $C = B \times \log_2(1 + N/S)$
- None of these



11. 9.----- modulation technique is most susceptible to noise.

Mark only one oval.

- PAM
- PWM
- PPM
- All of these

12. 10. ----- modulation technique is most commonly used in motor control applications.

Mark only one oval.

- PAM
- PWM
- PPM
- none of these

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# Vivekanand College, Kolhapur (Empowered Autonomous)

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

Online Unit Test-3 Marksheet

## Chapter 3: Analog Pulse Modulation

Sr.No	Timestamp	Student name	Marks (outoff 20)
1	04-12-2023 11:06	Shreya Shashikant Hirdekar	12
2	04-12-2023 11:08	Pradnya pradip patil	18
3	04-12-2023 11:08	Abhishek Sunil Bhadarage	12
4	04-12-2023 11:09	Sahil Nivruti Bamane	12
5	04-12-2023 11:09	Vaibhavi Jaysing Chougule	16
6	04-12-2023 11:09	Samarth Shrikant Patil	18
7	04-12-2023 11:10	Aditya Mahesh Altekar	18
8	04-12-2023 11:11	Aarati Prakash Mane	16
9	04-12-2023 11:12	Prathamesh bhagavan patil	18
10	04-12-2023 11:14	Sami Ali Tibin Ahmed	18
11	04-12-2023 11:14	Pratham pradeep sawant	14
12	04-12-2023 11:14	Gaurav Ajit Dadarne	14
13	04-12-2023 11:14	Ahmed qasim hasan	18
14	04-12-2023 11:14	Aditya Sharad mane	16
15	04-12-2023 11:15	Shravani Bhimarav Bavache	16
16	04-12-2023 11:15	Swapnil suresh patil	18
17	04-12-2023 11:16	Sanika Subhash Parpolkar	18
18	04-12-2023 11:16	Sai Chandrakant Chougule	18
19	04-12-2023 11:17	Aditya mansing patil	14
20	04-12-2023 11:18	Sanika Sanjay Kumbhar	18
21	04-12-2023 11:18	YASH TUKARAM ASANEKAR	14
22	04-12-2023 11:18	Poonam Narsu Patil	16
23	04-12-2023 11:18	Gayatri Gundu Kangralkar	16
24	04-12-2023 11:18	Sairaj Nandkumar Nimbalkar	14
25	04-12-2023 11:19	KIRTI SAMBHAJI PATIL	16
26	04-12-2023 11:20	Diksha Yuvaraj Kumbhar	18
27	04-12-2023 11:20	Anushka Sunil Shete	20
28	04-12-2023 11:22	Niraj Rajesh Warange	12
29	04-12-2023 11:22	Sanika Santosh Dhumale	20
30	04-12-2023 11:23	Sanika Ravindra Gurav	18
31	04-12-2023 11:25	RAVIRAJ BAJIRAO PATIL	12
32	04-12-2023 11:25	Sharvari Kuldeep Patil	20
33	04-12-2023 11:26	Ketan girishkumar tiwade	12
34	04-12-2023 11:28	Dhiraj babaso ghumai	14
35	04-12-2023 11:38	Vikrant rajendra surve	6
36	04-12-2023 11:39	Sammed Dhanyakumar Patil	10
37	04-12-2023 11:57	Vedant Prashant Mangaonkar	16
38	04-12-2023 12:28	Sanket Jaykumar Lambe	10

  
Sign of teacher  
Mr.P.R.Bagade



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