

**PARUL UNIVERSITY**  
**FACULTY OF ENGINEERING & TECHNOLOGY**  
**Diploma Engineering, Mid semester Examination**

**Semester: 4 th**  
**Subject Code: 03608253**  
**Subject Name: Consumer Electronics**

**Date: 19/01/2023**  
**Time: (1hr: 30min)**  
**Total Marks: 40**

**Instructions:**

1. Attempt all questions.
2. Make suitable assumptions wherever necessary.
3. Figures to the right indicate full marks.
4. English version is considered to be Authentic.

Q.1	Answer any six out of Ten. (2 Marks Each)	(12)	Co/Po Name	Blooms Taxonomy Words
	1. Define : Audiometry		CO1	Knowledge
	2. Define : Loudness		CO1	Knowledge
	3. Define : Reverberation		CO1	Knowledge
	4. Define : Audiometer		CO1	Knowledge
	5. Define : Fidelity		CO1	Knowledge
	6. Define : Audiogram		CO1	Knowledge
	7. Define : Pitch		CO1	Knowledge
	8. Define : Level		CO1	Knowledge
	9. Define : Frequency Response		CO1	Knowledge
	10. Define : Linearity		CO1	Knowledge
<b>Q.2</b>	A) Draw and explain working of Carbon microphone.	<b>(03)</b>	<b>CO3</b>	<b>Apply</b>
	<b>OR</b>			
	A) Draw and explain working of Moving Coil microphone.	<b>(03)</b>	<b>CO3</b>	<b>Apply</b>
	B) Explain Characteristics, Features & Application of Ribbon microphone.	<b>(03)</b>	<b>CO2</b>	<b>Understand</b>
	<b>OR</b>			
	B) Explain Sound recording principle & types	<b>(03)</b>	<b>CO2</b>	<b>Understand</b>
	C) Explain Characteristics , Features & Application of Carbon microphone	<b>(04)</b>	<b>CO2</b>	<b>Understand</b>
	<b>OR</b>			
	C) Explain Characteristics, Features & Application of Moving Coil microphone.	<b>(04)</b>	<b>CO2</b>	<b>Understand</b>
	D) Draw and explain working of Ribbon microphone.	<b>(04)</b>	<b>CO3</b>	<b>Apply</b>
<b>Q.3</b>	A) Explain Characteristics , Features & Application of Horn Type loudspeaker	<b>(03)</b>	<b>CO2</b>	<b>Understand</b>
	<b>OR</b>			
	A) Explain Characteristics , Features & Application of Electro dynamic loudspeaker	<b>(03)</b>	<b>CO2</b>	<b>Understand</b>
	B) Explain FM tuner	<b>(03)</b>	<b>CO2</b>	<b>Understand</b>
	<b>OR</b>			
	B) Explain Characteristics of loudspeaker.	<b>(03)</b>	<b>CO2</b>	<b>Understand</b>
	C) Draw and explain working of Horn Type loudspeaker.	<b>(04)</b>	<b>CO3</b>	<b>Apply</b>
	<b>OR</b>			
	C) Draw and explain working of Electro dynamic loudspeaker.	<b>(04)</b>	<b>CO3</b>	<b>Apply</b>
	D) Draw and Explain Public address system	<b>(04)</b>	<b>CO3</b>	<b>Apply</b>

