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(July)

MASS COMMUNICATION AND
VIDEO PRODUCTION

(Honours)

(**Audiography : Design and Production**)

(MVH-401)

Marks : 38

Time : 2 hours

*The figures in the margin indicate full marks
for the questions*

1. Write short notes on any *five* of the following : 2×5=10
 - (a) Decibel and Hertz
 - (b) Natural Frequency and Force Vibration
 - (c) Echoic and Anechoic Chamber
 - (d) Magnetic Induction and Electrical Capacitance

- (e) Compressors and Limiters
- (f) Jingle and Spot
- (g) Wild Track and Dubbing

2. With the help of a diagram, explain some of the unique characteristics of sound waves. What are the technical aspects that a sound recordist needs to take care of in a production? What is an electromagnetic wave? 4+2+1=7

Or

Explain how voice is produced in a human body. What are pitch, quality, tone and timbre? What are the different types of acoustic room modes? 3+2+2=7

3. What is the difference between a dynamic microphone and a condenser microphone? With the help of a diagram, explain the different types of polar patterns in a microphone. What are the different types of connectors that you would find in a microphone? 2+4+1=7

Or

Briefly explain the different aspects of acoustics. How does reverberation time help us to classify a studio? What are the different types of materials available to acoustically treat a room? 1+4+2=7

(3)

4. What is the difference between multitrack recording and ping-pong recording? Briefly explain the procedure for executing a multitrack recording for Radio Drama. State the difference between VUM (Voltage Unit Meter) and PPM (Peak Programme Meter).

3+2+2=7

Or

What is digital audio? Mention some of its advantages. What are sampling and quantization? What are equalizers and its different types?

2+3+2=7

5. Explain the role of dialogues, music and sound effects in a radio production. Prepare a 30-second PSA on 'say no to plastic bottles'.

3+4=7

Or

What is podcasting? What are the different types of radio programming that can be included in podcasting? Mention the steps to set up a podcast channel.

2+3+2=7
