

**PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)**

**BSc DEGREE EXAMINATION DECEMBER 2017  
(Third Semester)**

Branch **VISUAL COMMUNICATION (ELECTRONIC MEDIA)**

**AUDIOGRAPHY**

Time : Three Hours

Maximum : 75 Marks

**SECTION-A (20 Marks)**

Answer ALL questions

ALL questions carry EQUAL marks (10 x 2 = 20)

- 1 The generally accepted standard range of audible frequencies is  
a) 20 to 20,000 Hz                      b) 200 to 20,000 Hz  
c) 100 to 10,000 Hz                      d) 10 to 21,000 Hz
- 2 Give examples for (i) Compressed Audio format (ii) Compressed Video format.
- 3 The speed at which sound travels from its source is directly influenced by the factors affecting the medium, such as altitude, humidity and \_\_\_\_\_ for gases like air.  
a) Temperature b) Height c) Speed of air d) Moisture
- 4 Expansion of MIDI is \_\_\_\_\_ .
- 5 What are analog and digital microphones.
- 6 What is voice dubbing.
- 7 What is ambience?
- 8 Describe radio drama as a format.
- 9 What is reverberation?
- 10 Write the process of equalization.

**SECTION - B (25 Marks)**

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 5 = 25)

- 11 a Explain the wave length, speed and measuring of sound.  
OR  
b Describe the needs of room acoustics.
- 12 a Write about the different types of microphones and its uses.  
OR  
b Explain the structure of sound mixing consoles.
- 13 a Describe the on-stage recoding techniques and equipments.  
OR  
b Write short notes on audio recording and its needs.
- 14 a Describe the indoor recording techniques and studio settings.  
OR  
b What are radio commercials?
- 15 a Describe the tape to tape recoding methods.  
OR  
b Explain the digital audio recording techniques.

**SECTION - C (30 Marks)**

Answer any THREE Questions

ALL Questions Carry EQUAL Marks (3 x 10 = 30)

- 16 Discuss about the perception of sound and the acoustic needs inside a studio.
- 17 Explain about microphone & line level inputs, types of cable and connectors and MIDI for audio recoding.
- 18 Describe the off stage recording equipments and its placements.
- 19 Explain the different types of audio programs broadcast in radio.
- 20 Explain about audio mixing console, Echo, special effect units, equalizers and compressors.