

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2024
(Third Semester)

Branch – VISUAL COMMUNICATION (ELECTRONIC MEDIA)

AUDIO PRODUCTION TECHNIQUES

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks (5 x 1 = 5)

- 1 What does the term "bit depth" refer to in digital audio?
(i) The number of audio channels (ii) The precision of each audio sample
(iii) The duration of an audio clip (iv) The sample rate
- 2 Which of the following is NOT a type of microphone polar pattern?
(i) Cardioid (ii) Triangular
(iii) Bidirectional (iv) Supercardioid
- 3 Which type of microphone is often used for miking guitar amplifiers due to its ability to handle high sound pressure levels?
(i) Condenser microphone (ii) Dynamic microphone
(iii) Lavalier microphone (iv) Ribbon microphone
- 4 What does "phantom power" provide to a microphone?
(i) Extra bass response (ii) Power for its operation
(iii) Wireless connectivity (iv) Noise reduction
- 5 What does the term "re-amping" refer to in audio production?
(i) Mixing a track for the second time
(ii) Adding reverb to a dry recording
(iii) Re-recording a song in a different studio
(iv) Sending a pre-recorded track through an amplifier or effects chain again

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks (5 x 3 = 15)

- 6 a Describe the typical signal flow in a recording studio, from the sound source to the final mixdown.
OR
b Narrate the role of a mixer in audio production, and how does it facilitate the blending of multiple audio sources?
- 7 a Bring out the importance of microphone selection and placement in audio production.
OR
b Explain the concept of "clipping" in audio production.
- 8 a Describe the purpose of compression and limiting in controlling dynamic range.
OR
b Classify the term "reverb" and how it can be used to create a sense of space in a mix.

Cont...

- 9 a Analyze the importance of room acoustics in audio production.
OR
b Explain the term "automation" in the context of audio mixing.
- 10 a State MIDI in the context of audio production.
OR
b Explain the term "dithering" in digital audio production and its significance in maintaining audio quality.

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Analyze in detail about the different audio file formats used in audio production.
OR
b Explicate the different types of microphones used in Audio studio.
- 12 a Depict and detail on the structure and layout of an audio studio with signal flow.
OR
b Analyze on the type of cable and connectors used in the audio studio with its features.
- 13 a Compare the advantages & disadvantages of wired and wireless in detail.
OR
b Determine the uses of following equipment's in audio studio
i) Pop filter ii) Handy sound recorder iii) Talkback system
- 14 a Evaluate on the advantages of using Artificial intelligence in audio production.
OR
b "Community radio solves rural area problems" – Justify.
- 15 a Classify the Ethics and Principle to be followed and kept in mind while creating a radio programme for community radio.
OR
b Elucidate the importance of Pod casting with its advantages and disadvantages.

Z-Z-Z

END