

**SECOND SEMESTER (CUCBCSS—UG) DEGREE EXAMINATION
APRIL 2021**

B.T.F.P.

TFP 2C 03—INTRODUCTION TO SOUND DESIGN

(2014 Admissions)

Time : Three Hours

Maximum : 80 Marks

Part A

All ten to be answered.

1 mark each.

1 to 10 Multiple choice questions :

1. Expand HDMI :

- (a) High Database Multiple Interface.
- (b) High Discipline Multimedia Interface.
- (c) High Definition Multimedia Interface.
- (d) High Definite Multiple Interface.

2. Which one is not a sound design software ?

- (a) Studio one.
- (b) Audacity.
- (c) Sound Forge.
- (d) Final Cut Pro.

3. The technique or method to absorb undesirable sounds by soft and porous surface is called :

- (a) Acoustic protection.
- (b) Unacoustic protection.
- (c) Audible protection.
- (d) Decibel protection.

4. Who among these is not a sound editor ?

- (a) Donald Sylvester.
- (b) ResulPookkutty.
- (c) BhanuAthayya.
- (d) Ian Tapp.

5. Which movie won Academy Award for Best Sound in 2020 ?

- (a) Joker.
- (b) Sound of Metal.
- (c) 1917.
- (d) Godzilla Vs. Kong.

6. Which of the following is not a type of Microphone ?
- (a) Shotgun. (b) Laveliere.
(c) Cardioids. (d) Fresnel.
7. Device which used to turn spoken words into digital signals is termed as :
- (a) Microphone. (b) Speaker.
(c) Headphone. (d) Voice recognition machine.
8. _____ is a microphone that is sensitive to sound that are coming primarily from one direction.
- (a) Unidirectional Mics. (b) Bi Directional Mics.
(c) Omnidirectional Mics. (d) None of the Above.
9. Computer software which is required to match the sound uttered by user with a vocabulary of sound signals stored in a computer is
- (a) Speech recognition. (b) Solaris.
(c) Sound track. (d) Netware.
10. Which one is not a loudspeaker ?
- (a) Ceiling speakers. (b) Subwoofers.
(c) Sound bars. (d) Studio one.

(10 × 1 = 10 marks)

Part B

11 to 20 Short Answer questions. (Max.30 words)

Eight to be answered. 2 marks each.

11. What is Acoustic ?
12. Explain Hearing range.
13. Define Speed of Sound.
14. What is the frequency symbol ?
15. What is sound effect ?
16. Define Pitch.
17. What is coaxial digital ?

18. What is Ribbon Microphones ?
19. What is a Device record sound ?
20. Explain Dual-system recording.

(8 × 2 = 16 marks)

Part C

21 to 30 one paragraph questions. (Max 60 words)

Six to be answered. 4 marks each.

21. Differentiate between Ultra sound and Infrasound ?
22. What is the law of frequency ?
23. What is ambient sound ?
24. What is Unidirectional Microphones ?
25. What are the three main parts of a speaker ?
26. Categorize the audio file formats.
27. Explain the role of a boom operator.
28. What is a wild track in film ?
29. What is audio mixing ?
30. What is the Amplitude of Sound ?

(6 × 4 = 24 marks)

Part D

31 to 34 Essay questions (Max.300 Words)

Two to be answered. 15 marks each.

31. Draft an essay on characteristics of Sound Waves.
32. Critically analyze any of your favorite movie and evaluate how sound helped to tell the visual story ?
33. Introduce any *two* sound design software along with its tools.
34. Draft an essay on the fundamentals of live sound recording.

(2 × 15 = 30 marks)