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Library
Brainware University
398, Ramkrishnapur Road, Barasat
Kolkata, West Bengal-700125

BRAINWARE UNIVERSITY

Term End Examination 2025-2026

Programme – M.Sc.(MSJ)-2025

Course Name – Cinematography and Sound

Course Code - MSJ27504B (T)

(Semester II)

Full Marks : 40

Time : 2:0 Hours

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question)

1 x 10=10

1. Choose the correct alternative from the following :

- (i) Classify the department primarily responsible for image capture.
 - a) Camera
 - b) Lighting
 - c) Grip
 - d) DIT
- (ii) Identify the department that manages on-set digital image data.
 - a) Camera
 - b) Lighting
 - c) Grip
 - d) DIT
- (iii) Infer what happens when sound travels through denser media.
 - a) Speed decreases
 - b) Speed increases
 - c) Sound stops
 - d) Pitch disappears
- (iv) Analyze the factor that determines the pitch of a sound wave.
 - a) Amplitude
 - b) Frequency
 - c) Medium
 - d) Loudness
- (v) Explain the purpose of three-point lighting.
 - a) Camera stability
 - b) Subject illumination and depth
 - c) Colour correction
 - d) Sound balance
- (vi) Choose the composition rule that divides the frame into nine equal sections.
 - a) Symmetry
 - b) Leading lines
 - c) Rule of Thirds
 - d) Central framing
- (vii) Categorize microphones based on their method of operation.
 - a) Wired and wireless
 - b) Dynamic and condenser
 - c) Mono and stereo
 - d) Analog and digital
- (viii) Explain the primary purpose of synchronized sound in cinema.
 - a) Visual clarity
 - b) Audio-visual alignment
 - c) Camera movement
 - d) Lighting balance
- (ix) Rephrase the term "talkies."

- a) Silent cinema
- b) Experimental films
- c) Films with synchronized dialogue
- d) Documentary films
- (x) Evaluate the impact of poor sync sound on audience perception.
- a) Enhanced immersion
- b) Viewer distraction
- c) Improved pacing
- d) Strong continuity

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Outline the core functions of the Grip department during a film production. (3)
3. Contrast the concepts of frequency and wavelength in sound wave analysis. (3)
4. Make use of patterns in photography to explain how they contribute to a frame's aesthetic appeal. (3)
5. Justify the necessity of maintaining a strict correlation between cinematography and sound theory in modern productions. (3)
6. Analyze how room acoustics effect the quality of a sound recording. (3)

OR

Dissect the role of a Digital Audio Workstation (DAW) in the production of high-quality audio outputs. (3)

Group-C

(Long Answer Type Questions)

5 x 3=15

7. Compare and contrast the propagation of sound waves through different travel mediums (solids, liquids, and gases) and explain how the physical properties of each medium influence the speed and clarity of audio. (5)
8. Assess the importance of the transition from Silent films to Talkies and evaluate how this shift influenced the development of audio and video as a combined medium. (5)
9. Elaborate on the technical theory behind phantom power and predict what would happen to the performance of different microphone types if it were incorrectly applied. (5)

OR

Combine the concepts of bit-depth and sample rate to construct a high-quality audio transmission standard for professional digital distribution. (5)

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