

PSG COLLEGE OF ARTS & SCIENCE  
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2024  
(Fifth Semester)

Branch – VISUAL COMMUNICATION (ELECTRONIC MEDIA)

**CINEMATOGRAPHY**

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 "aspect ratio" refer to in cinematography?  
(i) The number of frames per second  
(ii) The focal length of the lens  
(iii) The height and width ratio of the film frame  
(iv) The density of the film stock
2. What is the film gauge size used in IMAX film cameras?  
(i) 35mm (ii) 65mm  
(iii) 70mm (iv) 16mm
3. What is 'chiaroscuro'?  
(i) a lens aberration (ii) a light and shade effect  
(iii) warped negative film (iv) warped negative film
4. Which aspect ratio is commonly used in widescreen filmmaking?  
(i) 4:3 (ii) 16:9 (iii) 2.35:1 (iv) 1.85:1
5. Define Hard light in cinematography.  
(i) Soft, diffused shadows with no defined edges  
(ii) Sharp, well-defined shadows with strong contrast  
(iii) A natural, even light distribution across the frame  
(iv) Light that bounces off walls and ceilings to fill the scene

**SECTION - B (15 Marks)**

Answer ALL Questions

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

- 6 a. Describe the concept of cinematic constructions in filmmaking.  
OR  
b. How did Technicolor impact the film industry, and what films popularized its use?
- 7 a. Explain the factors that should be considered when selecting the appropriate aspect ratio for movies.  
OR  
b. Show the key features of Steadicam used in cinematography.
- 8 a. Explain in detail about the importance of Immersive sound cinema.  
OR  
b. Examine how lens perspective will change the viewers mind.

Cont...

- 9 a. Outline the role and impact of depth of field in cinematography.  
OR  
b. Analyze the rack focus techniques to enhance storytelling in film.
- 10 a. Explain the low key and high key lighting techniques in filmmaking.  
OR  
b. Bring out the importance of lighting techniques in gobos and shadows.

**SECTION -C (30 Marks)**

Answer **ALL** questions

**ALL** questions carry **EQUAL** Marks

(5 x 6 = 30)

- 11 a. Discuss the significance of framing and composition in cinematography. How can different framing choices evoke specific emotions in the audience?  
OR  
b. Examine the relevance of five Cs of cinematography in filmmaking.
- 12 a. Differentiate the common aspect ratios, such as 16:9 and 2.35:1, and how do they affect the viewer's experience?  
OR  
b. Highlight the key differences between interlaced and progressive scanning in terms of image quality and motion representation.
- 13 a. Outline the advantages of using digital cinematography cameras compared to traditional film cameras in modern filmmaking.  
OR  
b. Examine the uses of viewfinders and monitors for framing and focusing in cinematography.
- 14 a. Enumerate the factors that a cinematographer should consider when deciding between spherical and anamorphic lenses for filmmaking.  
OR  
b. Analyze how t-stop and f-stop measurements differ in their implications for exposure and depth of field in cinematography.
- 15 a. Discuss the key composition techniques and the challenges posed by lighting constraints in cinematography.  
OR  
b. Select the various methods used by cinematographers to visually represent themes and character development in narrative.

Z-Z-Z

END