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BRAINWARE UNIVERSITY

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Term End Examination 2024-2025

Programme – B.Sc.(MSJ)-Hons-2023/B.Sc.(MSJ)-Hons-2024

Course Name – Basics of Videography

Course Code - BMJ20002

(Semester II)

Full Marks : 60

Time : 2:30 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 15=15

1. Choose the correct alternative from the following :

- (i) Discuss the concept of depth of field(DoF) in videography.
 - a) Adjusting the camera's zoom level
 - b) Controlling the range of distances in focus within a shot
 - c) Enhancing audio quality
 - d) Adding special effects
- (ii) Classify importance of lighting in videography.
 - a) To adjust aperture settings
 - b) To ensure proper focus
 - c) To enhance color grading
 - d) To illuminate the scene and set the mood
- (iii) Recognize the camera movement that adjusts the angle of the camera head to capture a higher or lower perspective.
 - a) Pan
 - b) Tilt
 - c) Dolly
 - d) Crane
- (iv) Identify the most effective shot for showcasing the intricate details of a character's facial expressions during an emotional dialogue scene.
 - a) ELS
 - b) Close Up Shot
 - c) Two shot
 - d) Establishing shot
- (v) Identify the advantage bounce lighting offers over direct lighting in cinematography.
 - a) It creates harsher shadows and more dramatic contrasts.
 - b) It provides a softer, more natural-looking illumination.
 - c) It consumes less electricity and is more energy-efficient.
 - d) It requires fewer light sources, reducing equipment costs.

- (vi) What is the term for the visual composition technique where elements in the frame are arranged along diagonal lines? Choose the correct option.
- a) Rule of thirds
 - b) Golden ratio
 - c) Symmetry
 - d) Leading lines
- (vii) Discover which statement accurately describes the concept of pixel binning?
- a) Pixel binning involves combining adjacent pixels to increase sensitivity to light.
 - b) Pixel binning reduces image noise by averaging pixel values across multiple frames.
 - c) Pixel binning improves color accuracy by aligning color channels within each pixel.
 - d) Pixel binning increases the effective resolution of an image sensor by interpolating pixel
- (viii) Which statement accurately describes the relationship between megapixels and image quality? Judge.
- a) Higher megapixel count always results in higher image quality.
 - b) Megapixels are irrelevant to image quality; other factors are more important.
 - c) Megapixels directly correlate with image resolution but not necessarily image quality.
 - d) Lower megapixel count often results in better image quality due to reduced noise
- (ix) Which video recording format is known for its high quality and is often used in professional settings? Discover.
- a) MPEG
 - b) WMV
 - c) RAW
 - d) GIF
- (x) What is the main disadvantage of recording in REDCODE RAW format compared to compressed formats? Predict.
- a) Larger file size
 - b) Lower image quality
 - c) Limited compatibility
 - d) Slower rendering
- (xi) What is a common challenge when using telephoto lenses in low-light conditions? Predict.
- a) Increased depth of field
 - b) Vignetting
 - c) Image stabilization issues
 - d) Reduced magnification
- (xii) Classify the lens type which is more suitable for capturing panoramic landscapes and architecture-
- a) Tele photo
 - b) Fish eye
 - c) Macro
 - d) Wide angle
- (xiii) What is the primary function of the viewfinder in electronic cinematography? Identify.
- a) To adjust the focus of the lens
 - b) To frame the shot and compose the image
 - c) To control the exposure settings of the camera
 - d) To review captured footage during playback
- (xiv) How does narrative differ between painting and cinematography?
- a) Paintings are static and lack narrative elements, while cinematography relies heavily on storytelling.
 - b) Both mediums prioritize linear storytelling with a clear beginning, middle, and end.
 - c) Paintings can suggest narratives through symbolism and composition, similar to how cinematography uses sequencing of images.
 - d) Cinematography allows for more abstract storytelling compared to the concrete narratives found in paintings.
- (xv) What is the primary goal of color correction in electronic cinematography? Choose the correct option.
- a) To enhance the natural colors of the scene
 - b) To add artificial colors for creative effect
 - c) To correct any color inconsistencies and achieve visual consistency
 - d) To remove all colors from the scene for a monochromatic effect

Group-B

(Short Answer Type Questions)

3 x 5=15

2. How do cinematographers collaborate with other departments, such as production design and costume design, to achieve cohesive visual storytelling? Explain. (3)
3. Compare and contrast the visual effects that are produced by different camera movements, such as panning, tilting, and tracking. (3)
4. How does a handheld camera stabilizer, such as a glide cam/Gimbal, help filmmakers achieve smoother footage? Illustrate. (3)
5. Construct the different frame rates in videography. (3)
6. Analyze the shot composition styles in the AD film "Google Reunion". Provide specific examples from key scenes to support your analysis. (3)

OR

Evaluate the effectiveness of "Google Search: Reunion" cinematography from the perspective of a cinematographer. Discuss the setting in which the film takes place. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Explain the significance of pixel density and image detail when transitioning from HD to higher-resolution formats like 4K and Ultra HD. (5)
8. Explain how to achieve a soft lighting effect using diffusion techniques. (5)
9. Explain the principles behind the use of neutral density (ND) filters in cinematography and their significance in achieving proper exposure in bright lighting conditions. (5)
10. How does cinematography influence the audience's perception of space and perspective within a film? Illustrate. (5)
11. Predict how the choice of camera angle can manipulate the audience's emotional response to a character's actions in a pivotal scene. (5)
12. Explain the significance of different aspect ratios in videography and how these aspect ratios affect the visual composition and presentation of a film or video. (5)

OR

Explain the importance of pre-production in videography projects, including aspects such as storyboarding, location scouting, and shot lists. (5)
