



BRAINWARE UNIVERSITY

Term End Examination 2023-2024 Programme - B.Sc.(AM)-Hons-2023 Course Name - Digital Photography and Image Editing Course Code - BAM10103

(Semester I)

Brainware University 398, Ramkrishmunur Road, Barasa Kolkata, West Bengal-700125

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)

- Choose the correct alternative from the following:
 - (i) Select the correct statement regarding the historical development of cameras:
 - a) The first photograph was captured using a digital camera.
 - c) The DSLR camera was invented before the SLR camera.
- b) The daguerreotype process was an early form of analog photography.
- d) The term "megapixel" originated in the analog era.
- (ii) Write the term for the lens element that is typically used in telephoto lenses to minimize the physical length of the lens while maintaining the focal length
 - a) Concave Lens

b) Convex Lens

c) Aspherical Lens

- d) Fluorite Lens
- (iii) Use the correct term for the mechanism that allows you to adjust the focal length in zoom lenses to zoom in and out.
 - a) Aperture

b) Shutter Speed

c) Zoom Mechanism

- d) Image Stabilization
- (iv) Write the term for a lens type that creates a wide, distorted perspective, often used for artistic and creative effects.
 - a) Prime Lens

b) Telephoto Lens

c) Wide-Angle Lens

- d) Fisheye Lens
- (v) Use the term for the mechanism that allows you to control the plane of focus and perspective, often used in architectural and product photography.
 - a) Aperture Ring

b) Focusing Ring

c) Zoom Mechanism

- d) Tilt-Shift Mechanism
- (vi) Write the term for the lens component responsible for controlling the amount of light entering the camera and affecting the depth of field.
 - a) Lens Element

b) Focusing Ring

c) Aperture

- d) Image Stabilization
- (vii) Name the camera type known for its use of a mirror to reflect the image into the viewfinder:

b) Mirrorless a) DSLR c) Analog d) TLR (viii) Identify the key advantage of a DSLR camera over an SLR camera: b) Ability to shoot analog film a) Mirrorless design for compactness c) Live view and video recording capabilities d) Utilization of large film formats (ix) Select the correct statement about Mirrorless (ML) cameras a) They always have an optical viewfinder. b) They lack interchangeable lenses. c) Mirrorless cameras are typically larger and d) They use digital displays for composing heavier than DSLR cameras. (x) Name the key component in a digital camera responsible for converting light into an electrical signal (Tandi a) Shutter b) Lens Viletavini ' 7-6). Sensor d) Viewfinder . 8 PY 353 (xi) Select the term that best describes the arrangement and organization of elements within a photograph. a) Exposure b) Composition c) Aperture d) Shutter speed (xii) Identify the grid used in the Rule of Thirds, which divides the image into nine equal parts. a) 2x2 b) 4x4 c) 3x3 d) 5x5 (xiii) Select the photography genre where capturing candid moments in public spaces is common, requiring strong compositional skills. a) Portrait Photograph b) Wildlife Photography c) Street Photography d) Food Photography (xiv) Identify the compositional technique commonly used in landscape photography to create a sense of depth. a) Rule of Thirds b) Leading Lines c) Symmetry d) Silhouette (xv) select the technique used to convey a sense of motion and dynamic composition a) Silhouette b) Bokeh c) Panning d) Macro Photography Group-B (Short Answer Type Questions) 3 x 5=15 2. Relate the use of White Balance Settings to Different Lighting Conditions 3. Define ISO Sensitivity in Photography. (3) 4. Describe the principle of Depth of Field in photography. (3) 5. Classify different types of Camera Lenses (3) 6. Evaluate the use of leading Lines in Composition (3) (3) Explain the role of Color Theory in portrait photography and how it influences mood (3)Group-C (Long Answer Type Questions) 5 x 6=30 7. Describe the difference between Full-Frame and Crop-Sensor cameras 8. List the common camera formats and their respective Aspect Ratios. (5)9. Relate the concept of Lens Bokeh to Aperture Settings and explain how different aperture (5)blades can influence the Appearance of Bokeh in your photographs. (5)

Demonstrate how to use leading lines in composition to create a Dynamic and Engaging Photograph.
Outline the concept of Negative Space in Photography and Explain how it can be applied to emphasize the main subject in Street Photography.
Differentiate between the use of patterns and Symmetry in composition OR
Write on the concept of Golden Hour in landscape photography and explain how this natural lighting phenomenon impacts the Aesthetics of Landscape images