



## BRAINWARE UNIVERSITY

Term End Examination 2024-2025

Programme – B.Sc.(AM)-Hons-2024

Course Name – Digital Photography and Image Editing

Course Code - BAM10101

( Semester I )

Library  
Brainware University  
392, Ramkrishnapur Road, Barasat  
Kolkata, West Bengal, 700122

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) Identify the component that adjusts light sensitivity in a camera.
    - a) ISO
    - b) Aperture
    - c) Shutter Speed
    - d) White Balance
  - (ii) Define what ISO stands for in photography.
    - a) International Standards Organization
    - b) Image Sensitivity Optimization
    - c) Image Signal Output
    - d) Image Sensor Operation
  - (iii) Name the type of lens typically used for close-up photography.
    - a) Macro
    - b) Telephoto
    - c) Wide-angle
    - d) Fisheye
  - (iv) Define the term "bokeh" in photography.
    - a) Motion Blur
    - b) Background Blur
    - c) Color Tint
    - d) Overexposure
  - (v) List three common uses of wide-angle lenses.
    - a) Landscape, Architecture, Street
    - b) Portrait, Sports, Events
    - c) Wildlife, Macro, Action
    - d) Studio, Low Light, Macro
  - (vi) Apply the rule of thirds to a portrait shot.
    - a) Position Subject in Center
    - b) Position Subject at Intersection
    - c) Use Background Symmetry
    - d) Position Subject on Right Edge
  - (vii) Choose option to capture motion blur in a low-light environment.
    - a) Use Slow Shutter Speed
    - b) Increase ISO
    - c) Use Flash
    - d) Reduce Aperture
  - (viii) Modify the shutter speed to capture a fast-moving object.
    - a) Increase Shutter Speed
    - b) Decrease Shutter Speed
    - c) Adjust Aperture
    - d) Increase ISO
  - (ix) Choose the correct option to operate camera for a stable shot.

- a) Hold with One Hand
- b) Use Both Hands and Tuck Elbows
- c) Use a Tripod
- d) Lean Against a Surface
- (x) Identify the factor in the exposure triangle that does NOT directly affect exposure.
- a) Shutter speed
- b) ISO
- c) Aperture
- d) White balance
- (xi) Illustrate the primary use of a polarizing filter in photography.
- a) Reducing reflections
- b) Increasing exposure
- c) Enhancing image sharpness
- d) Correcting white balance
- (xii) Choose the camera mode that allows full manual control over exposure settings.
- a) Auto
- b) Aperture Priority
- c) Shutter Priority
- d) Manual
- (xiii) Identify how changing the focal length affects the field of view.
- a) Increases Field of View
- b) Lean Against a Surface
- c) Adjust Noise
- d) Adjusts Exposure
- (xiv) Identify the effect of reducing aperture size (larger f-number).
- a) Increases depth of field
- b) Decreases depth of field
- c) Increases exposure
- d) Decreases exposure
- (xv) Select the file format that provides the highest image quality and flexibility in post-processing.
- a) PNG
- b) JPEG
- c) RAW
- d) TIFF

#### Group-B

(Short Answer Type Questions)

3 x 5=15

2. Describe the purpose of the aperture in a camera. (3)
3. Define ISO measure in photography. (3)
4. Name one advantage of using a prime lens. (3)
5. Define the rule of thirds. (3)
6. Analyze the role of depth of field in macro photography and how it affects the clarity of the subject and background. (3)

OR

Analyze how the "golden ratio" is applied in photography composition to create aesthetically pleasing images. (3)

#### Group-C

(Long Answer Type Questions)

5 x 6=30

7. Define the term "White Balance" in photography and explain its significance in creating accurate color representation. (5)
8. List and briefly explain the key features of an SLR camera compared to a mirrorless camera. (5)
9. Explain the role of ISO in digital photography and its impact on image quality when shooting in low light conditions. (5)
10. Explain the purpose of using filters in photography, and what are some common types of filters. (5)
11. Discuss the role of color theory in photography, especially in terms of how complementary colors can enhance an image's visual impact. (5)
12. Analyze the differences between shooting in RAW vs. JPEG and their implications for post-processing. (5)

OR

Describe the process of basic color correction in Adobe Lightroom and its impact on a photograph's final appearance. (5)

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