



BRAINWARE UNIVERSITY

Term End Examination 2024-2025
Programme – B.Sc.(AM)-Hons-2022
Course Name – 2D VFX
Course Code - BMMC502
(Semester V)

Library
Brainware University
308, Ramkrishna Road, Barasat

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) Select the film that marked a significant milestone in VFX with its groundbreaking use of computer generated imagery.
 - a) Tron (1982)
 - b) Star Wars (1977)
 - c) Jurassic Park (1993)
 - d) The Matrix (1999)
- (ii) Identify the process of combining multiple layers of images or video into a single, cohesive scene.
 - a) Rotoscoping
 - b) Keying
 - c) Compositing
 - d) Tracking
- (iii) Locate the technique used to remove the background from an image or video, that often used in green or blue screen.
 - a) Rotoscoping
 - b) Keying
 - c) Matte Painting
 - d) 3D Modeling
- (iv) Select the method used to track the movement of objects in a video to apply effects accurately.
 - a) Tracking
 - b) Keying
 - c) Rotoscoping
 - d) Compositing
- (v) Identify the type of effect used for creating explosions on set.
 - a) VFX
 - b) CGI
 - c) SFX
 - d) Animation
- (vi) Locate the effect typically used to create realistic weather conditions like rain or snow on set.
 - a) VFX
 - b) SFX

- c) Animation
(vii) Select the process that involves adding visual elements in post-production.
a) SFX
c) VFX
(viii) Identify the primary tool used for creating shapes.
a) Pen Tool
c) Brush Tool
(ix) Identify the primary software that utilizes a layer-based composition system.
a) Adobe After Effects
c) Blackmagic Fusion
(x) Locate the setting to adjust the order of layers in a layer-based composition.
a) Composition Settings
c) Layer Menu
(xi) Select the correct sequence for preparing a clean plate.
a) Masking > Cleanup > Tracking > Compositing
c) Tracking > Masking > Cleanup > Compositing
(xii) Choose the type of visual effect that is created entirely using computer software without live-action footage.
a) Practical Effects
c) Matte Painting
(xiii) Choose the software primarily used for advanced color grading and visual effects compositing.
a) Adobe Premiere Pro
c) DaVinci Resolve
(xiv) Choose the primary tool used for color correction in After Effects.
a) Color Balance
c) Levels
(xv) Choose the composition type that is most commonly used in After Effects for basic projects.
a) Layer-based composition
c) 3D composition
d) Matte Painting
b) Animation
d) Stunts
b) Shape Layer
d) Ellipse Tool
b) Nuke
d) Houdini
b) Timeline Panel
d) Project Panel
b) Cleanup > Masking > Tracking > Compositing
d) Compositing > Cleanup > Masking > Tracking
b) CGI
d) Rotoscoping
b) Nuke
d) After Effects
b) Lumetri Color
d) Hue/Saturation
b) Node-based composition
d) Non-linear composition

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Define 2D composition in the context of Adobe After Effects. (3)
3. Demonstrate the process of creating a simple animation using keyframes. (3)
4. Illustrate the steps to apply motion tracking to an object in a video. (3)
5. Explain the difference between green screen and blue screen in chroma keying. (3)
6. Analyze the challenges faced during chroma keying and how to overcome them in post-production. (3)

OR

- Analyze the challenges of wire and rig removal in high-motion scenes. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Define the concept of layer-based composition in Adobe After Effects. (5)

8. Describe the difference between layer-based and node-based composition. (5)
9. Analyze the importance of pre-compositions in organizing complex projects in After Effects. (5)
10. Construct a scenario where using a precomp simplifies your workflow in After Effects. (5)
11. Analyze the benefits of using adjustment layers in a composition. (5)
12. Construct a simple 2D VFX sequence showing an explosion in After Effects, and describe the key steps involved. (5)

OR

Write about the importance of color correction in blending 2D VFX elements with live-action footage. (5)
