



BRAINWARE UNIVERSITY

Term End Examination 2022

Programme – B.A.(MW)-Hons-2018/B.Sc.(MM)-Hons-2019/B.Sc.(AM)-Hons-2020

Course Name – 2D VFX and Motion Graphics

Course Code - BMW502A/BMMC502

(Semester V)

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) Choose which effect is used to adjust an image's position in an imaginary 3D space, add depth or create an adjustable z-axis?
 - a) Perspective effects
 - b) Style effects
 - c) Render effects
 - d) None of the above
- (ii) Select what is Perspective Shift in VFX?
 - a) In VFX terminology, a perspective shift means that the camera reveals different parts or areas of an object as the camera moves.
 - b) Distance between camera to object
 - c) Camera Movement
 - d) None of the above
- (iii) Explain, what would happen if the capture speed is set to 50% of motion sketch as in the given diagram?
 - a) Adobe After Effects would play back the motion twice as fast as the sketching speed
 - b) It would play back the motion half as fast as sketching speed
 - c) It would play back the motion at the same speed as sketching speed
 - d) It would not accept this value
- (iv) Recognize the rule which defines to place a subject's eyes at the top intersection one-third of the way down the frame.
 - a) Rule of Third
 - b) Symmetry
 - c) Leading Lines
 - d) None of these
- (v) Justify why is headroom important?
 - a) excessive headroom can make the image seem awkward
 - b) too little headroom can make the viewer feel claustrophobic.
 - c) Both A and B
 - d) None of these
- (vi) Identify the NTSC timecode format in which two frame counts are skipped per minute is called
 - a) FPS
 - b) Drop Frame Timecode
 - c) Visual Effects
 - d) None of these
- (vii) Identify which Codec is optimized for playback across the internet?

- a) H.264
c) 29.97 FPS
- b) HD.268
d) None of these.
- (viii) Select the name of the property to increase or decrease the footage size?
a) Zoom
c) Scale
- b) Rolling Frame
d) Ctrl+T
- (ix) Indicate Which compression method should you use when rendering an Adobe After Effects project for playback from a CD-ROM?
a) Sorenson
c) Animation
- b) Intel Raw
d) Component Video
- (x) Select which key is used to go forward 1 frame?
a) Page Up or Command+Left Arrow
c) Page Down or Command+Right Arrow
- b) Shift+Page Down or Command+Shift+Right Arrow
d) Shift+Page Up or Command+Shift+Left Arrow
- (xi) Identify which file format does Adobe After Effects automatically convert empty area in to an alpha channel?
a) BMP
c) GIF
- b) A1
d) None of these
- (xii) Predict What does the term "nesting" mean in After Effects?
a) The process of importing multiple images sequence as footage
c) The process of saving the composition for the future use
- b) The process for animating a still image
d) The process of adding composition to another composition
- (xiii) Explain What is a Null Object?
a) An object with properties to house expressions
c) A visible layer that can be parented to any layer in the composition
- b) Essentially a solid, but with a white background
d) An invisible layer that has all the properties of a visible layer so that it can be a parent to any layer in the composition
- (xiv) Choose Which of these can help you achieve a glitch effect?
a) Displacement Map
c) Posterize Time
- b) All of here
d) Twitch
- (xv) Select Activate Pan Behind tool in After Effects?
a) W
c) Y
- b) T
d) H

Group-B

(Short Answer Type Questions)

3 x 5=15

2. Explain 2D camera tracking. (3)
3. Write the concept about Compositing in Visual Effects (3)
4. Explain CGI foundation? (3)
5. Write when would you use the mask tracker? (3)
6. Illustrate the Composition Flowchart in Adobe After Effects. (3)

OR

Illustrate a short note on Nested Composition. (3)

Group-C

(Long Answer Type Questions)

5 x 6=30

7. Describe the camera settings in Adobe After Effects? (5)
8. Describe how do you modify the transparency of a layer in a composition? (5)
9. Explain about Keying. (5)
10. Explain the purpose of rotoscoping? (5)
11. Summarize how to remove green screen in After Effects? (5)

12. Explain three ways to preview your work in After Effects (5)

OR

Determine what are some similarities and differences between text layers and other types of layers in After Effects? (5)
