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 : 70   **Time : 3:0 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 which codec is optimized for playback across the internet.

   a) H.264   b) HD.268
   c) 29.97 FPS   d) None of these.

(ii)   Choose which effect is used to adjust an image's position in an imaginary 3D space, add depthvor create an adjustable z-axis?

   a) Perspective effects   b) Style effects
   c) Render effects   d) None of the above

(iii)   Select what is Perspective Shift in VFX?

   a) In VFX terminology, a perspective shift   b)
      means that the camera reveals different
      parts or areas of an object as the camera   Distance between camera to object
      moves.
   c) Camera Movement   d) None of the above

(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   b) too little headroom can make the viewer
      seem awkward   feel claustrophobic.
   c) Both A and B   d) None of these

(vi)   Select the name of the property to increase or decrease the footage size?

   a) Zoom   b) Rolling Frame
   c) Scale   d) Ctrl+T

(vii)   Indicate Which compression method should you when rendering an Adobe After Effects project for playback from a CD-ROM?

   a) Sorenson   b) Intel Raw
   c) Animation   d) Component Video

(viii) Identify which file format does Adobe After Effects automatically convert empty area in to an alpha channel?

   a) BMP
   b) A1
   c) GIF
   d) None of these

(ix) Explain What is a Null Object?

   a) An object with properties to house expressions
   b) Essentially a solid, but with a white background
   c) A visible layer that can be parented to any layer in the composition
   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

(x) Choose Which of these can help you achieve a glitch effect?

   a) Displacement Map
   b) All of here
   c) Posterize Time
   d) Twitch

(xi) Explain What would happen if the capture speed is set to 50% of motion sketch as in the given diagram?

   a) After Effects would play back the motion twice as fast as the sketching speed(N)
   b) It would play back the motion half as fast as sketching speed(N)
   c) It would play back the motion at the same speed as sketching speed(Y)
   d) It would not accept this value(N)

(xii) Select Activate Pan Behind tool in After Effects?

   a) W
   b) T
   c) Y
   d) H

(xiii) Select which key use go forward 1 frame?

   a) Page Up or Command+Left Arrow
   b) Shift+Page Down or Command+Shift+Right Arrow
   c) Page Down or Command+Right Arrow
   d) Shift+Page Up or Command+Shift+Left Arrow

(xiv) Predict what does the term "nesting" mean in After Effects?

   a) The process of importing multiple images sequence as footage
   b) The process for animating a still image
   c) The process of saving the composition for the future use
   d) The process of adding composition to another composition

(xv) Identify The NTSC time code format in which 2 frame counts are skipped per minute is called

   a) FPS
   b) Drop Frame Time code
   c) Visual Effects
   d) None of these

Group-B
(Short Answer Type Questions)   3 x 5=15

2. Illustrate the Composition Flowchart in Adobe After Effects.   (3)
3. Explain 2D camera tracking.   (3)
4. Write the concept about Compositing in Visual Effects   (3)
5. Illustrate a short note on Nested Composition.   (3)
6. Explain CGI foundation?   (3)

OR

   Write when would you use the mask tracker?   (3)

Group-C
(Long Answer Type Questions)   5 x 8=40

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 the cloth FX. (5)
13. Explain rig removal? (5)
14. 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 (5)
of layers in After Effects?

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