



## BRAINWARE UNIVERSITY

Course – MAMW

Advanced Video Compositing and Special Effects - (MMW402A)

(Semester – 4)

**Time allotted:3 Hours**

**Full Marks : 70**

[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 Questions)

10 x 1 = 10

1. *Choose the correct alternative from the followings*

(i) What is the shortcut of Merge node in Nuke?

- |      |      |
|------|------|
| a. p | b. o |
| c. m | d. c |

(ii) What is the full form of DoF?

- |                   |                      |
|-------------------|----------------------|
| a. Depth of Focus | b. Depth of Field    |
| c. DeFocus        | d. None of the these |

(iii) What is the function of WRITE node?

- |                               |   |
|-------------------------------|---|
| a. Export footage             | b. Renders the result of all upstream nodes |
| c. Displays the render output | d. Loads images from disk                   |

(iv) To connect background which input will be used in Merge Node?

- |      |                      |
|------|----------------------|
| a. A | b. A and B           |
| c. B | d. None of the these |

- (v) What is the meaning of Pre-multiply?
- a. RGB is actually (mathematically) multiplied by the value of the alpha channel
  - b. R is actually (mathematically) multiplied by the value of the alpha channel
  - c. G is actually (mathematically) multiplied by the value of the alpha channel
  - d. B is actually (mathematically) multiplied by the value of the alpha channel
- (vi) What is the use for Keying tool?
- a. Green Screen Remove
  - b. Blue Screen Remove
  - c. Both A and B
  - d. RGB Screen Remove
- (vii) Which of the following define Tonal range?
- a. black point
  - b. white point
  - c. neutral value
  - d. all of the these
- (viii) What is the function of Value in HSV?
- a. darkness of the color
  - b. brightness of the color
  - c. both a and b
  - d. enhance the hue
- (ix) What is the function of READ node?
- a. Export footage
  - b. Renders the result of all upstream nodes
  - c. Displays the render output
  - d. Loads images from disk
- (x) Which of the following node consists IBK keyer?
- a. IBK color
  - b. IBK Gizmo
  - c. Both a and b
  - d. IBK Hue

**Group – B**

(Short Answer Type Questions)

3 x 5 = 15

Answer any *three* from the followings

2. What is auto FG & auto BG Factor? [5]
3. What is the "adjust-contrast" of pre-track filter node? [5]
4. What is the using of Pixel Analyzer? [5]
5. What is Dither Node? [5]
6. What are the functions of Flare node? [5]

**Group – C**

(Long Answer Type Questions)

3 x 15 = 45

Answer any *three* from the followings

7. (a) Describe Automatic and Keyframe tracking. [8]  
(b) Describe pre-track filter and show zoom window. [7]
8. (a) Explain Scope and Tonal Adjustment. [8]  
(b) What are the use of Grain and Pixel Analyzer? [7]
9. (a) Explain Degrain Tools and Degrain Types of Primatte node. [8]  
(b) What is Premultiply? [7]
10. (a) Describe Roto Paint tool in Nuke. [8]  
(b) Use of ScannedGrain and Ramp tool in compositing [7]
11. (a) Describe Keylight Tool in Nuke. [6]  
(b) Use of IBK Color tool in Nuke. [5]  
(c) What is Difference Tool? [4]