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END SEMESTER EXAMINATION - 2019

Semester : 6th (New Course)

Subject Code : AMT-606/CVE

COMPOSITING AND VISUAL EFFECT

Full Marks – 70

Time – Three hours

The figures in the margin indicate full marks for the questions.

Instruction :

- Illustrate your answers with suitable sketches and examples wherever necessary.

PART – A

Marks – 25

Answer *all* the questions.

1. Fill in the blanks : 1×10=10

(a) SFX stands for _____.

(b) The short key to create a new composition in after-effect is _____.



[Turn over

(c) Composition is the arrangement of visual _____ in a work of art.

(d) Digital _____ is the digitally manipulated combination of at least two source images to produce an integrated result.

(e) In Chroma key compositing, the color used for the background is usually _____.

(f) _____ is a process of trailing an object or a group of objects in a footage.

(g) DOF stands for _____.

(h) The function of the _____ is to set parameters for audio, motion, visual effects and many other properties for any image or object by changing them over time.

(i) Slowing down the speed of your moving picture is known as _____.

(j) By using _____ option, you can not only change the appearance of image but also can blend or overlap two images on each other and make it appear as single image.

2. Write true or false : $1 \times 10 = 10$

(a) Red Chillies Entertainment is a visual effects company based in the city of Mumbai.

(b) Rotoscoping is the process of animation frame by frame.

(c) Motion blur occurs due to a long exposure.

(d) Chroma keying is the process of separating a foreground element from a background of a consistent solid color.

(e) The process of keying happens not only inside of a compositing application, but may not happen in real time.

(f) Rotoscoping is an animation technique that animators use to trace over animation picture footage.

(g) In dynamics hinge constraint keeps rigid bodies along a specified axis.

(h) An aim constraint constrains an object's orientation so that the object aims at other objects.



- (i) Short key to playback in after-effect is "Enter".
- (j) A gravity field simulates the earth's gravitational force.

3. Choose the correct answer : $1 \times 5 = 5$

- (a) Compositing falls in the _____ stage in the production pipeline.
- (i) production
- (ii) post-production
- (iii) pre-production
- (iv) None of the above

(b) Adjustment layer helps in _____.

- (i) applying effects
- (ii) masking
- (iii) parenting
- (iv) None of the above



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(c) HSV is related to

- (i) Colour
- (ii) Rotoscopy
- (iii) Picture footage
- (iv) None of the above

(d) Null object helps in

- (i) Masking
- (ii) Parenting
- (iii) Grouping
- (iv) Animation

(e) Red, green and blue are the

- (i) Secondary colours
- (ii) Solid colours
- (iii) Primary colours
- (iv) None of the above



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PART - B

Marks - 45

Answer any five questions from the following.

1. (a) What is visual effect ? 2
- (b) What are the categories of visual effect ?
Describe briefly. 7
2. (a) What is Chroma Keying ? 2
- (b) Describe the process of Chroma key
compositing of live action scene. 7
3. What is wire removal ? Describe the importance
of wire removal. 9
4. Describe the post-production process of compo-
siting CGI with live action footage. 9
5. What is Colour Correction ? What are the tools
available for Colour Correction in after-effects ? 9
6. (a) What do you mean by Foreground and
Background plate ? 3
- (b) Describe the importance of Matte painting. 6

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7. Write short notes on any three the following :
3×3=9

- (i) Fluid 2D Container
- (ii) Maya Dynamic Field
- (iii) Instancer
- (iv) Rigid Bodies
- (v) Fluid Effects



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