

END SEMESTER/ RETEST EXAMINATION, 2020**AMT-606****6th Semester****Compositing and Visual Effect****Full Marks: 70****Pass Marks: 28****Time: Three Hours****Instructions:**

- ❖ The figures in the margin indicate full marks for the questions.
- ❖ Illustrate your answer with suitable sketches and examples wherever necessary.

PART - A

- Q1. Fill in the blanks: 1x10=10
- a. The terminology used for exporting file in after effect is called _____.
 - b. Pen tool is used to create _____.
 - c. In order to provide necessary safety for actors or replicate a complex movement of objects of a scene, _____ are used during the shooting.
 - d. Camera tracking or match moving allows digital artists to insert objects, for instance CG elements, into _____ footage plates that have a moving camera.
 - e. The file extension for, Adobe After effects project is _____
 - f. PNG stands for _____
 - g. _____ is a path you want your object and picture to drop or move
 - h. There are _____ basic types of Particles emitter.
 - i. Maya has two kinds of rigid bodies, they are _____
 - j. Chroma keying technique is applied to remove _____ from the video footage.
- Q2. Write True or False. 1x10=10
- a. In dynamics, Newton is a field that push off the objects away.
 - b. Short to hardware render preview is Space Bar.
 - c. Industrial Light & Magic is an Indian motion picture visual effects company.
 - d. The purpose of Masking is to extract a certain area of a sequence.
 - e. The purpose of Tracking is to track an element of a scene and add any other external elements.
 - f. Keying is the digital technology that allows to separate elements faster and easier.
 - g. The green keying technique allows only to replace the background of an image.
 - h. A Nail constraint nails a single active rigid body to a position in the workspace.
 - i. A Barrier constraint creates an infinite barrier plane beyond which the center of mass of the rigid body will not move.
 - j. A spring constraint simulates an elastic cord.
- Q3. Choose the correct answer 5x1=5
- a. Pre-composition is
 - i. Masking
 - ii. Parenting
 - iii. Animation
 - iv. None of the above



- b. RGB is the
 - i. Secondary colours
 - ii. Solid Colours
 - iii. Primary Colours
 - iv. None of the above.
- c. Visual Effects falls in the ____ stage in the production pipeline.
 - i. Pre-Production
 - ii. Production
 - iii. Post-Production
 - iv. None of the above.
- d. Null Object helps in ____
 - i. Applying effects
 - ii. Masking
 - iii. Parenting
 - iv. All of the above
- e. CMYK is related to
 - i. Colour
 - ii. Rotoscopy
 - iii. Footage.
 - iv. None of the above

PART – B

Answer any 5 (Five) from the following

- Q1. a) What is Keying? 2
- b) Discuss why is Green or Blue colour used in Chroma shoot? 7
- Q2. a) What is Compositing? 2
- b) Differentiate between Compositing and Visual Effect. 7
- Q3. a) What is Set Extension? 2
- b) Describe the process of Set Extension technique. 7
- Q4. What is Parallax? Describe the concept and the importance of parallax in compositing. 9
- Q5. What is Colour Correction? Why is colour correction necessary during post-production? Discuss. 9
- Q6. What is Passes Compilation? Describe the process of Passes Compilation in after effect. 9
- Q7. Write short note on **any three** the following: (3x3=9)
 - i) Depth of Field
 - ii) Constraints
 - iii) Particle Emitter
 - iv) Instance
 - v) Particle Collide

