

2021

2D ANIMATION TECHNIQUES

Full Marks: 60

Time: Two hours

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

- A. Multiple Choice Questions 1 x 10=10
1. The types of tween performed on a symbol instance that incorporate changes in position, scale, size, color effects, and filters -
 - a. Motion
 - b. Classic
 - c. Shape
 - d. Frame by frame
 2. Kircher is known for the invention of the –
 - a. Phenakistoscope
 - b. Film roll
 - c. Magic lantern
 - d. Kinetoscope
 3. The photographer important for his pioneering work in photographic studies of motion–
 - a. Thomas A. Edison
 - b. E. Muybridge
 - c. George Meilies
 - d. None of these
 4. In order to make the symbol of the walk animation progressive, we have to use the option –
 - a. loop
 - b. play once
 - c. tween

- d. frame by frame
- 5. The wheels of the vehicle are made to rotate by using the auto rotation in the—
 - a. Timeline
 - b. Properties
 - c. Library
 - d. Transformation tool
- 6. The process of rigging in the Adobe Flash is similar to the —
 - a. 3D animation
 - b. Classical style
 - c. Cut out
 - d. Stop motion
- 7. The visible button is kept in the frame of—
 - a. Down
 - b. Up
 - c. Over
 - d. Hit
- 8. Positioning of characters in each scene for maximum emotional content and clear readability of actions—
 - a. Line of Action
 - b. Storytelling
 - c. Staging
 - d. Camera shot
- 9. The passing position of the animation movement is also called the -
 - a. Key pose
 - b. Extreme
 - c. Breakdown
 - d. In-betweens
- 10. The person who start using Flash as an animation tool -
 - a. J. Krifacluci
 - b. N. Paley
 - c. E. Cohl

d. C. Jones

B Fill up the blank

1 x 10=10

11. The _____ principle is used in animating the hands movement in the animation.
12. Animation is a method in which figures are _____ to appear as moving images.
13. In the 110 columns of the temple , the figure of _____ is painted in a progressively change position.
14. As a rule only _____ drawings are used for a sec. in the Limited Animation.
15. PAL is the video _____ which is popular in most of the European and Asian countries.
16. P M Roget's theory to the phenomenon of retaining image is the_____.
17. The _____ indicates the current frame on the stage
18. _____ helps in viewing the different drawings in the timeline.
19. The word Animation comes from the Latin verb _____.
- 20 _____ can make your daily workflow easier, less time-consuming and, in most cases, become your most indispensable tool.

C. Very Short Question

2 x 6=12

1. What is a frame rate and why does it matter?
2. How is the shape tween useful?
3. What is the movie clip and where can it be use?
4. How the QuickTime movie does helps in understanding the animation output?
5. What is the Motion guide and how can you apply it?
6. How does the edit multiple frame option function?

D Short Question

4 x 7=28

1. How do we control the graphic symbol in animation? Give an example.
2. What are the different types of symbols and their uses?
3. What principles can be implemented in animating a double pendulum? Explain in details.
4. Discuss in details about the rigging and animation part in the Adobe Flash software.
5. Why the change of pivot point and distribute to layers is important in

animation? Give an example.

6. What are the different types of buttons? Write the Action script 2.0 steps to make a functional button.
7. Why is the 12 principles important in animation? Justify your answer with an example.