3D ANIMATION

Full Marks – 70

Pass Marks – 28

Time – Three hours

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

PART – A

1. Multiple choice questions :   1×5=5

    (a) What is the phenomenon that allows the eye to retain an image of a seen image for a fraction of a second even after the image has changed ?

        (i) Vision memory

        (ii) Persistence of vision

        (iii) After imaging

        (iv) None of the above

(b) What does CGI stand for ?

(i) Computer Generated Image

(ii) Computer General Interface

(iii) Computer Generated Interface

(iv) Computer Generated Imagery

(c) What was the name of the Thomas Edison animation viewing machine called ?

(i) Kenetoscope

(ii) Kinetoscope

(iii) Kalaedricope

(iv) Zoetrope

(d) Live action can be combined with stop-motion animation using a technique called _____ ?

(i) Mixing

(ii) Blending

(iii) Compositing

(iv) Double exposure

(e) A simple, everyday object such as a kitchen knife could be used as the subject in which type of animation ?

(i) Puppet animation

(ii) Object animation

(iii) Cut-out animation

(iv) Claymation.

2. Answer the following questions : 10×2=20

(a) What is Animation ?

(b) What is frame rate ?

(c) What are thumb nails ?

(d) Define body language.

(e) Define the term breakdown and in-between.

(f) What is secondary action in animation ?

(g) What is the purpose of dope sheet ?

(h) What do you mean by the term posture ?

(i) What is line of action ?

(j) What is anticipation ?

PART – B

3. Answer any *three* of the following questions :

   (a) Explain in brief about the computer generated animation. Write a note on any two softwares used in 3D animation.　　　　6+4=10

   (b) Explain about follow through and overlapping action with proper example and diagram.　10

   (c) What is anticipation ? Explain its importance in animation.　　　　5+5=10

   (d) Explain about the tangents of graph editor and their functions in 3D animation.　　　10

   (e) What is Silhouette ? What are the characteristics of a good silhouette ? Explain with diagram.　　　　6+4=10

4. Answer any *one* of the following questions :

   (a) Draw the appropriate poses with proper line of action for the following :　　3×5=15

      (i) Excitement

      (ii) Devastated

      (iii) Concern

   (b) Draw and explain the key poses of a Jump cycle.　　　　10+5=15