

Vidya Vikas Mandal's  
Shree Damodar College of Commerce & Economics, Margao-Goa  
TY BCA Semester-V, Semester End Examination, November 2023  
Computer Animation (CAD-114)

Duration: 2 Hours

Max Marks: 60

**Instructions:** 1) *Figures to the right indicate Full Marks.*  
2) *All Questions are compulsory.*

**Q.1A. Fill in the blanks:**

(5x1=05)

- a) The part of a digital image that is transparent is a \_\_\_\_\_.
- b) \_\_\_\_\_ is the principle that every pose or action that a character makes should convey a clear intention.
- c) \_\_\_\_\_ can illustrate complex ideas visually.
- d) A \_\_\_\_\_ is any two-dimensional area with a recognizable boundary.
- e) \_\_\_\_\_ refers to the areas of the design that are left blank.

**Q.1B. Define the following terms:**

(5x1= 05)

- a) Keyframes
- b) Perspective Drawing
- c) CMYK
- d) Timing
- e) Digital Composition

**Q.2. Answer the following:**

- A) List the equipments needed for animation.
- B) Write a short note on : Appeal and Arc
- C) Explain the basic drawing techniques.

(2)  
(3)  
(5)

**Q.3. Answer the following**

- A) Describe Follow through and overlapping action principle.
- B) Differentiate between an image, photo and a picture.
- C) Explain any five color schemes of color theory.

(2)  
(3)  
(5)

**Q.4. Answer the following**

- A) Define Onion skinning.
- B) Illustrate **any three** Principles of Graphic Design
- C) Explain advantages and disadvantages of 2D animation.

(2)  
(3)  
(5)

**Q.5. Answer the following**

- A) Define Motion Capture.
- B) Describe different motion capture systems.
- C) Explain **any five** techniques to develop a character and background creation.

(2)  
(3)  
(5)

**Q.6. Answer the following**

A) Define Rotoscoping.

(2)

B) Briefly explain the tips required for Storyboarding.

(3)

C) Explain Stop Motion Animation and Cut – Out Animation.

(5)

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