PRESIDENCY UNIVERSITY
BENGALURU

SCHOOL OF INFORMATION SCIENCE
END TERM EXAMINATION - JAN 2023

Semester : Semester III - 2021

Course Code : CSA1011

Course Name : Sem III - CSA1011 - Introduction to 3D Animation

Program : BCV

Date : 12-JAN-2023

Time : 9.30AM - 12.30PM

Max Marks : 100

Weightage : 50%

Instructions:
(i) Read all questions carefully and answer accordingly.
(ii) Question paper consists of 3 parts.
(iii) Scientific and non-programmable calculator are permitted.

PART A

ANSWER ALL THE FOLLOWING QUESTIONS   **10 X 2 = 20M**

1. What do you meant by 3D Animation? List any two examples.

(CO1) [Knowledge]

2. What do you meant by Path Animation?

(CO1) [Knowledge]

3. Define the terms : 2D and 3D Animation.

(CO1) [Knowledge]

4. How will you apply anticipation in 3D Animation? List any two examples.

(CO1) [Knowledge]

5. List any four 3D animation type with examples.

(CO3) [Knowledge]

6. Explain how will you duplicate the 3D Objects Cube and Sphere.

(CO2) [Knowledge]

7. What do you meant by Visual Effects in 3D Animation?

(CO4) [Knowledge]

8. Define the concept of Rendering with an example.

(CO4) [Knowledge]

9. What do you meant by Forward Contact Point in Walk Cycle?

(CO5) [Knowledge]

10. Explain the various basic walk cycle stages with relevant diagrams.

(CO5) [Knowledge]

PART B

ANSWER ALL THE FOLLOWING QUESTIONS   **5 X 10 = 50M**

11. Explian the following in detail : Arc , Secondary action , Timing with relevant examples.

(CO1) [Comprehension]

12. Explain the concept of 3D Animation Pipeline with relevant diagrams.

(CO2) [Comprehension]

13. How will you duplicate the 3D Objects using Blender? Explain it with relevant examples.

(CO2) [Comprehension]

14. Narrate the Production process steps while developing a 3D Animation model in detail.

(CO3) [Comprehension]

15. Discuss the concept of Run Cycle. Explain in detail with relevant examples and diagrams.

(CO4) [Comprehension]

PART C

ANSWER ALL THE FOLLOWING QUESTIONS   **2 X 15 = 30M**

16. (i) List the Principles of Animation with relevant examples with diagrams.
    (ii) How will you plan your 3D Animation Model. Explain the planning procedure with relevant examples.

(CO1,CO2) [Application]

17. (i) With neat digrams , Explain in detail about the various Principles of Animation.   **(8M)**
    (ii) Narrate the procedure in Planning your 3D Animation Model with relevant examples.   **(7M)**

(CO4) [Application]

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