T.Y.B.SC. comp. Sci Sem -V dt.24/02/2025

:2.30 Hours]   [Marks:75]

Please check whether you have got the right question paper.

N.B: 1. All question are compulsory.
        2. Figures to the right indicate full marks.

Q.1   Attempt any four of the following: **20**

A Explain Translation in 3D.

B Explain Eulers rule with a suitable example

C Explain in detail 3D vector manipulation.

D Write a short note on Back Face Detection problem

E Write a short note on GPU architecture.

F Write a short note on Direct X.

Q.2   **Attempt any four of the following:**   **20**

A Write a short note on Depth Buffering

B Explain Swap Chains and page flipping.
C Write a short note on Primitive technology
D Explain Blending and Texturing in detail.
E Write a short note on linear interpolation.
F Write a short note on B splines.

Q.3   **Attempt any four of the following:**   **20**

A Write a short note on Augmented Reality

B Write a short note on concept of smart glasses
C Explain the concept of depth mapper
D Write a short note on Scripting tools.
E Write a short note on Animation window.
F Write a short note on Unity rendering engine.

Q.4   **Attempt any three of the following:**

A   Differentiate CPU and GPU.

B   Write a short note on Scaling in 2D.
C   Write a short note on Beizer Curves.
D   Explain Sine and Cosine Rule.
E   Write a short note on Mixed reality.
F   Explain Navigation and path finding in Unity.

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