FOURTH SEMESTER EXAMINATION 2021-22
Class - B.C.A.
Subject - Computer Graphics & Multimedia

Time : 2.30 Hrs.   **Max. Marks : 80**
Total No. of Printed Page : 06   **Mini. Marks : 28**

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Note: Question paper is divided into three sections. Attempt question of all three section as per direction. Distribution of Marks is given in each section.

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[k.M & ^v* Section - 'A'

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Attempt all questions.

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Very short answer question (word limit 30 words.)

bdkbZ & I / Unit -I

1. कम्प्यूटर ग्राफिक्स के विभिन्न उपयोगों को लिखिए।

    List the various applications of computer graphics.

2. Computer graphics में Video display devices को समझाइये।

    Explain Video display devices in computer graphics.

3. 3 input devices को समझाइये।

    Explain 3 input devices.

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इकाई & II / Unit -II

4. ट्रांसलेशन, रोटेशन एवं स्केलिंग को परिभाषित कीजिये।

   Define Translation, Rotation and scaling.

5. Point clipping algorithm को समझाइये।

   Explain point clipping algorithm.

6. Reflection तथा Shear को समझाइये।

   Explain Reflection and shear.

इकाई & III / Unit -III

7. Isometric projection को समझाइये।

   Explain Isometric Projection.

8. Polygon surface को समझाइये।

   Explain Polygon surface.

9. 3D geometric transformation में rotation तथा scaling of को समझाइये।

   Explain rotation and scaling in 3D geometric transformation.

इकाई & IV / Unit -IV

10. मल्टीमीडिया सिस्टम में उपयोग होने वाले हार्डवेयर के नाम लिखिए।

    Write the name of hardware used in multimedia system.

11. Adobe Photoshop के toolbox को समझाइये।

    Explain toolbox of Adobe Photoshop.

12. Adobe Photoshop के rulers, guides तथा grides को समझाइये।

    Explain rulers, guides and grides of Adobe Photoshop.

bdkbZ & V / Unit -V

13. Corel Draw में artistic media tool को समझाइये ।

    Explain artistic media tools of Corel Draw.

14. Corel Draw में उपयोग होने वाले Templets को समझाइये ।

    Explain templets used in Corel Draw.

15. Corel Draw में छाया का उपयोग कैसे करते हैं ?

    How to use shadow in Corel Draw ?

[k.M & ^c* Section - 'B'

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Short answer question (words limit 60 words)   **5x6=30**

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Attempt all questions.

bdkbZ & I / Unit -I

16. Line drawing algorithm को समझाइये ।

    Explain line drawing algorithm.

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    Flood fill algorithm को समझाइये ।

    Explain flood fill algorithm.

bdkbZ & II / Unit -II

17. 2D geometric transformation में matrix representation के महत्व को समझाइये।

Explain the importance of matrix representation in 2D geometric transformation.

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Polygon clipping algorithm को समझाइये।

Explain polygon clipping algrorithm.

bdkbZ & III / Unit -III

18. Polygon surface तथा Polygon table को समझाइये।

Explain polygon surface and polygon table.

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Bezier curve तथा surfaces को समझाइये।

Explain bezier curve and surface.

bdkbZ & IV / Unit -IV

19. Adobe photoshop के menus and panels के बारे में लिखिए।

Write about menues and panels about Adobe Photoshop.

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निम्न को समझाइये :

(a) Red Eye tool

(b) Clone stamp tool.

Explain followings :

(a) Red Eye tool

(b) Clone stamp tool.

bdkbZ & V / Unit -V

20. Corel Draw में OCR text को किस प्रकार import तथा edit किया जाता है ?

How to import and edit a OCR text in Corel Draw.

vFkok@OR

Corel Draw में Clipart तथा Special characters को समझाइये ।

Explain the Clipart and special character in corelDraw.

[k.M & ^l * Section - 'C'

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Long answer question: **2x15=30**

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Attempt any two questions from the following:-

bdkbZ & I / Unit -I

21. Computer graphics fundamentals को समझाइये । Computer graphics के उपयोग को भी लिखिए।

Explain computer graphics fundamentals. Also explain the application of computer graphics.

bdkbZ & II / Unit -II

22. निम्न को समझाइये :

(a) होमोजीनियस को–आर्डिनेटर

(b) कम्पोजिट ट्रांसफार्मेशन

Explain following :

(a) Homogeneous Co-ordinator

(b) Composite Transformation

bdkbZ & III / Unit -III

23. 3D viewing में parallel projection को समझाइये ।

Explain parallel projection in 3D viewing.

bdkbZ & IV / Unit -IV

24. Photoshop software के बारे में विस्तार से समझाइये ।

Explain about photoshop software in detail.

bdkbZ & V / Unit -V

25. Corel Draw के brush tool interactive tool तथा Power clip feature को समझाइये ।

Explain brush tool, interective tool and power clip feature of corelDraw.

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