Mid-West University Examinations Management Office

Birendranagar, Surkhet

End Semester (Alternative/Physical) Examinations -2078

Bachelor level/ B.Sc CSIT /4th SemesterFull Marks : 60Time: 3hrsPass Marks : 30Subject : Computer Graphics (COM444)Full Marks : 60

Candidates are required to give their answer in their own words as far as practicable. The figures in the margin indicate full marks.

[6×10=60]

Attempt ALL questions

 b) Clarify the applications of computer graphics in various sector. [5] 2. a) Describe the 2-D transformation for translation about arbitrary point. [5] b) Define the term resolution, pixel, aspect ratio. [5] 3. a) Write about the graphical languages. [5] b) Differentiate between interactive and passive graphics. [5] b) Differentiate between interactive and passive graphics. [5] c) OR Show the DDA line drawing algorithm with example. [10] 4. Discuss about graphic tablets. Describe projection. Discuss about the parallel and prespective projection. [10] 5. a) How many storage is require in frame buffer when the system with 24 bits and its scree resolution is 1024 x 768. Consider a RGB raster system is to be designed using 8 inch by 10 inch screen with a resolution of 100 pixels per inch in each direction. If we want to store 6 bits per pixel in the frame buffer. How much storage do we need for the frame buffer? [5] b) Write the matrix for 2D and 3D rotation. [5] What are the popular types of graphic file format? Explain in detail. Different between computer graphics and image processing. [10] 	1. a) Differentiate between raster scam amd vector scan display.	[5]
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