

**Babasaheb Bhimrao Ambedkar Bihar University, Muzaffarpur**  
**Directorate of Distance Education**  
**PROFESSIONAL/TECHNICAL 4<sup>TH</sup> SEMESTER**  
**BCA/4<sup>th</sup> Semester/13-16: Bachelor of Computer Applications**  
**Paper-BCA19: Numerical Methodology: ASSIGNMENT QUESTIONS (Full Marks -30)**  
**ANSWER ALL QUESTIONS**

- Q. 1. What is Divided Difference? Write the properties, the divided difference are symmetrical in their arguments.
- Q. 2. Discuss about Picard's Method of Successive Approximation. Also give an example.

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**Paper-BCA20: Computer Graphics and Multimedia: ASSIGNMENT QUESTIONS (Full Marks -30)**  
**ANSWER ALL QUESTIONS**

- Q. 1. What are the uses of computer graphics? Also write the classification of use of computer graphics.
- Q. 2. Write and explain how to modify the line clipping algorithm to clip polygons.

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**Paper-BCA21: Operating System & Unix: ASSIGNMENT QUESTIONS (Full Marks -30)**  
**ANSWER ALL QUESTIONS**

- Q. 1. What are various file systems supported in UNIX? Discuss any three of them.
- Q. 2. What is the significance of an Operating System? Explain in detail file system in Unix Operating System.

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**Paper-BCA22: Software Engineering Principles: MODEL QUESTIONS (Full Marks -70)**  
**ANSWER ANY FIVE QUESTIONS**

- Q. 1. What do you mean by software process? What is the difference between a methodology and a process? Explain using suitable example.
- Q. 2. What are the major advantages of first constructing a working prototype before developing the actual product?

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