

**S. S. JAIN SUBODH P.G.(AUTONOMOUS) COLLEGE, JAIPUR**

Affiliated to University of Rajasthan, Jaipur

**II CIA B.C.A. V Semester Test, Nov. - 2017**

**Computer Graphics**

**Max. Marks: 30**

**Duration: 1 Hour**

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**Instructions to the Candidates**

Note:- **Section A** : Consists of three short answer type questions, each carrying 7.5 marks. The candidates are required to attempt any two (7.5x2= 15 marks)

**Section B** : Consists of one descriptive question of 15 marks with an internal choice.

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**Section A**

- Q.1 Explain Flood Fill Algorithm
- Q.2 What is Translation? Explain with suitable example.
- Q.3 Write short notes on:-
- a) Reflection
  - b) Scaling

**Section B**

- Q.4 Explain Bresenham's Line Drawing Algorithm in detail.

**OR**

Write DDA Line Drawing Algorithm with suitable diagram.

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**.Net Technologies**

**Max. Marks: 30**

**Duration: 1 Hour**

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**Section A**

Q.1 Explain following Server Controls:

- a) Drop Down List Control
- b) Image Button Control
- c) Image Control
- d) Link Button Control
- e) Text Box Control

**OR**

Write brief introduction of C# programming Language with its characteristics.

**Section B**

Q.4 Explain any three Client Side State Management Techniques.

**OR**

Explain the following:

- a) File Upload Control with Example
- b) Is Post Back Property

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**E-Commerce Application Development**

**Max. Marks: 30**

**Duration: 1 Hour**

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**Section B :** Consists of one descriptive question of 15 marks with an internal choice.

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**Section A**

- Q.1 Define E-Commerce Models.
- Q.2 Explain: (any two)
- a) E-Cash
  - b) E-Cheque
  - c) Smart Card
  - d) Debit Card
  - e) Credit Card
- Q.3 What do you mean by EDI? Explain its standards and issues in detail.

**Section B**

- Q.4 Explain Value Chain Model.

**OR**

Explain Compatatitive Advantages and Business Strategies.

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**Software Engineering**

**Max. Marks: 30**

**Duration: 1 Hour**

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**Section B** : Consists of one descriptive question of 15 marks with an internal choice.

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**Section A**

- Q.1 What do you mean by Project Planning? Explain its objectives.
- Q.2 Explain process based estimation technique.
- Q.3 What do you mean by Software Sizing?

**Section B**

- Q.4 Explain COCOMO Model.

**OR**

Explain problem based estimation technique with a suitable example.