

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

Affiliated to University of Rajasthan, Jaipur

**I CIA BCA V Semester Test, Sep. - 2018**

**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**

- (1) Describe RGB Colour Model with suitable diagram.
- (2) Describe raster and random scan display.
- (3) Discuss Plasma Panel and LCD monitors in detail with their working.

**. Section B**

- (4) Explain major application areas of computer graphics.

**OR**

Explain the structure and working of CRT in detail.

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**Dot Net Technologies**

**Max. Marks: 30**

**Duration: 1 Hour**

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**Section A**

1. Given a brief Introduction to .Net Framework and also describe its main components.
2. Define Metadata.
3. Write a program in C# which accepts a number from the user and identify whether the number is even or odd.

**Section B**

4. Explain different type of looping statements in C# with suitable examples.

**OR**

What are namespaces? Explain with an example.

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**Software Engineering**

*preliminary*

**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**

1. What is Software? State the characteristics of software. 7.5
2. Explain Prototype Model along with its advantages and disadvantages. 7.5
3. Write short note on: (2.5 \* 3 = 7.5)
  - a) Software Components
  - b) Fourth Generation Techniques
  - c) Project Management

**Section B**

4. Explain Spiral Model along with its advantages and disadvantages. *Softw* 15

**OR**

Describe all the phases of SDLC in Software Engineering. 15

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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**

1. Define E-Commerce. Explain its objectives
2. Explain the scope of E-Commerce
3. Write down the disadvantages of E-Commerce.

**Section B**

4. What are the advantages of E-Commerce? Explain in detail.

**OR**

Differentiate between Traditional Commerce and E-Commerce.