

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

Affiliated to University of Rajasthan, Jaipur

I CIA BCA V Semester Test, Dec. - 2021

Computer Graphics

Max. Marks: 30

Duration: 1 Hour

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 ($7.5 \times 2 = 15$ marks)

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

Section A

- (1) Describe RGB colour Model with suitable diagram.
- (2) Describe raster and random scan display.
- (3) Discuss Plasma Panel and LCD monitors 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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E-Commerce Application Development

Max. Marks: 30

Duration: 1 Hour

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 ($7.5 \times 2 = 15$ marks)

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

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.

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Software Engineering

Max. Marks: 30

Duration: 1 Hour

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 ($7.5 \times 2 = 15$ marks)

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

Section A

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

Section B

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

OR

What is SDLC? Describe all the phases of SDLC in Software Engineering. 15

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Dot Net Technologies

Max. Marks: 30

Duration: 1 Hour

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 ($7.5 \times 2 = 15$ marks)

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

Section A

1. Explain the .Net Framework with diagram.
2. Define CLR.
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 namespaces and how to define namespace in C#.

OR

Write a program in C# which accepts a number from the user between 1 to 12 and display corresponding month name.