

**AG & SG SIDDHARTHA COLLEGE OF ARTS AND SCIENCES - VUYYYURU.**  
**An Autonomous college within the jurisdiction of Krishna University A.P, India.**  
**(With Effect from Academic Year 2018-'19)**

<b>COMPUTER SCIENCE</b>	<b>CSC-101C</b>	<b>2018-19</b>	<b>B.Sc.(MPCs, MCCs.)</b>	
<b>SEMESTER – I</b>	<b>PAPER – I</b>	<b>Max. Marks 70</b>	<b>Pass Marks 28</b>	<b>Total Hrs 60</b>

**Syllabus:**                    **Computer Fundamentals & Photoshop**   **NO. Of. Hours: 4**   **Credits: 3**

**UNIT-I: 12Hrs**

Introduction to computers, characteristics and limitations of computer, Block diagram of computer, types of computers, uses of computers, computer generations. Number systems: binary, hexa and octal numbering system.

**UNIT-II: 12Hrs**

Input and output devices: Keyboard and mouse, inputting data in other ways, Types of Software: system software, Application software, commercial, open source, domain and freeware software, Memories: primary, secondary and cache memory. Windows basics: desktop, start menu, icons.

**Unit –III: 15Hrs**

Introduction to Adobe Photoshop, Getting started with Photoshop, creating and saving a document in Photoshop, page layout and back ground, Photoshop program window-title bar, menu bar ,option bar ,image window ,image title bar ,status bar, ruler ,paletts, tool box ,screen modes ,saving files ,reverting files ,closing files.

**Unit –IV: 10Hrs**

**Images:** working with images, image size and resolution, image editing, colour modes and adjustments, Zooming & Panning an Image, Rulers, Guides & Grids- Cropping & Straightening an Image, image backgrounds, making selections.

**Working with tool box:** working with pen tool, save and load selection-working with erasers-working with text and brushes-Colour manipulations: colour modes- Levels Curves - Seeing Colour accurately - Patch tool – Cropping-Reading your palettes - Dust and scratches- Advanced Retouching- smoothing skin.

**Unit-V: 11Hrs**

**Layers:** Working with layers- layer styles- opacity-adjustment layers

**Filters:** The filter menu, Working with filters- Editing your photo shoot, presentation –how to create adds , artistic filter, blur filter, brush store filter, distort filters, noice filters, pixelate filters, light effects, difference clouds, sharpen filters, printing.

**Reference Books:**

1. Fundamentals of Computers by Reema Thareja from Oxford University Press
2. Adobe Photoshop Class Room in a Book by Adobe Creative Team.
3. Photoshop: Beginner's Guide for Photoshop - Digital Photography, Photo Editing, Colour Grading & Graphic...19 February 2016 by David Maxwell

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<b>SEMESTER – I</b>	<b>PAPER – I</b>	<b>Max. Marks 70</b>	<b>PassMarks 28</b>

**Model Paper Computer Fundamentals & Photoshop NO Of Hours: 4 Credits:3**

**Section- A**

**Answer FOUR Questions. Each Question carries FIVE Marks.**

**4\*5=20M**

1. Explain Characteristics and limitations of Computer?
2. Explain desktop, start menu, icons?
3. Describe Cache Memory?
4. Explain saving, retrieving and closing files in Photoshop?
5. Write a short note on Pen tool?
6. Explain working with Layers?

**Section- B**

**Answer FIVE the Questions. Each Question carries TEN Marks.**

**5\*10=50M**

7. Explain Block Diagram of Computer?
8. Explain Types of Computers?
9. Explain about Input Devices?
10. Explain about Computer Memory?
11. Explain title-bar, menu-bar, option- bar and image window in Photoshop?
12. Explain Rulers, Guide and Grid-Cropping options for an Image?
13. Explain Colour modes – Levels and Curves?
14. Explain different Filters Photoshop?

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COMPUTER SCIENCE	CSC-101	2018-'19	B.Sc.(MPCs., MCCs.)
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SEMESTER – I

PAPER – I

Max. Marks 70

Guidelines for paper setting '**COMPUTER FUNDAMENTALS & PHOTOSHOP**'

Unit wise weightage of Marks

	Section-A (Short answer questions)	Section-B (essay questions)
Unit-1	2	2
Unit-2	1	2
Unit-3	1	2
Unit-4	1	1
Unit-5	1	1

- Each Short answer question carries 5 marks in Section –A
- Each Essay question carries 10 marks in Section –B
- The Question papers setters are requested to cover all the topics in the syllabus stipulated as per the weightage given by us

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**SEMESTER – I      PAPER – I      Max. Marks : 50      Pass Marks 25**

**No. of Hours per week: 2      External: 25      Internal: 25      Credits: 2**

**Lab List      *Photo Shop Lab***

1. Create your Visiting card
2. Create Cover page for any text book
3. Create a Paper add for advertising of any commercial agency
4. Design a Passport photo
5. Create a Pamphlet for any program to be conducted by an organization
6. Create Broacher for you college
7. Create Titles for any forthcoming film
8. Custom shapes creation
9. Create a Web template for your college
10. Convert colour photo to black and white photo
11. Enhance and reduce the given Image size
12. Background changes
13. Design Box package cover
14. Design Texture and patterns
15. Filter effects & Eraser effects

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<b>COMPUTER SCIENCE</b>	<b>CCSC-103C</b>	<b>2018-19</b>	<b>B.Com.(C.A)</b>
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**SEMESTER – I PAPER – I Max. Marks 70 Pass Marks 28 TotalHrs 60**

**Syllabus: Computer Fundamentals & Photoshop NO. Of. Hours: 5 Credits:3**

**UNIT-I: 12Hrs**

Introduction to computers, characteristics and limitations of computer, Block diagram of computer, types of computers, uses of computers, computer generations. Number systems: binary, hexa and octal numbering system.

**UNIT-II: 12Hrs**

Input and output devices: Keyboard and mouse, inputting data in other ways, Types of Software: system software, Application software, commercial, open source, domain and freeware software, Memories: primary, secondary and cache memory. Windows basics: desktop, start menu, icons.

**Unit –III: 15Hrs**

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**Unit –IV: 10Hrs**

**Images:** working with images, image size and resolution, image editing, colour modes and adjustments, Zooming & Panning an Image, Rulers, Guides & Grids- Cropping & Straightening an Image, image backgrounds, making selections.

**Working with tool box:** working with pen tool, save and load selection-working with erasers-working with text and brushes-Colour manipulations: colour modes- Levels Curves - Seeing Colour accurately - Patch tool – Cropping-Reading your palettes - Dust and scratches- Advanced Retouching- smoothing skin.

**Unit-V: 11Hrs**

**Layers:** Working with layers- layer styles- opacity-adjustment layers

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<b>SEMESTER – I</b>	<b>PAPER – I</b>	<b>Max. Marks 70</b>	<b>Pass Marks 28</b>

**Model Paper Computer Fundamentals & Photoshop NO Of Hours: 5 Credits:3**

**Section- A**

**Answer FOUR Questions. Each Question carries FIVE Marks.**

**4\*5=20M**

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**Section- B**

**Answer FIVE the Questions. Each Question carries TEN Marks.**

**5\*10=50M**

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SEMESTER – I

PAPER – I

Max. Marks 70

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