

**SRI VENKATESWARA UNIVERSITY, TIRUPATI**  
**B.A. / B.Sc. (Computer Applications)**  
**W.E.F. 2020-21**

**I Year - Semester- I**

## **Information Technology**

(Five units with each unit having 12 hours of class work)

### **Syllabus**

#### **Unit**

##### **I Introduction:**

Computer Definition - Characteristics and Limitations of Computer Hardware —Generations of Computer, Classification of Computers, Applications of Computer, Basic Components of PC, Computer Architecture - Primary and Secondary Memories- Input and Output Devices- Operating System- Function of Operating System- Types of Operating System- Languages and its Types

##### **II MS word:**

Word Processing – Features-Advantages and Applications- Parts of Word Window-Toolbar-Creating, Saving, Closing, Opening and Editing of a Document-Moving and Coping a Text-Formatting of Text and Paragraph- Bullets and Numbering-Find and Replace - Insertion of objects-Headers and Footers- Page Formatting- Auto Correct- Spelling and Grammar- Mail Merge- Macros

##### **III MS Excel:**

Features – Spread Sheet-Workbook – Cell-Parts of a window-Saving, Closing, Opening of a Work Book – Editing – Advantages – Formulas- Types of Function-Templates – Macros – Sorting- Charts – Filtering – Consolidation – Grouping- Pivot Table

#### **IV MS Power point:**

Introduction – Starting – Parts-Creating of Tables- Create Presentation – Templates-Auto Content Wizard-Slide Show-Editing of Presentation- Inserting Objects and charts

#### **V MS Access:**

Orientation to Microsoft Access - Create a Simple Access Database - Working with Table Data - Modify Table Data - Sort and Filter Records - Querying a Database - Create Basic Queries - Sort and Filter Data in a Query - Perform Calculations in a Query - Create Basic Access Forms - Work with Data on Access Forms - Create a Report - Add Controls to a Report - Format Reports

### **Learning Resources (Information Technology)**

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#### **References:**

- (1) P.Mohan computer fundamentals- HimalayaPublications.
- (2) R.K.Sharma and Shashi K Gupta, Computer Fundamentals - Kalyani Publications
- (3) Fundamentals of Computers ByBalagurusamy, Mcgraw Hill
- (4) Computer Fundamentals Anita Goel Pearson India
- (5) Introduction to Computers Peter Norton
- (6) Fundamentals of Computers Rajaraman V Adabala N
- (7) Office 2010 All-in-One For Dummies Peter Weverka
- (8) MS-Office S.S. Shrivastava
- (9) MS-OFFICE 2010 Training Guide Prof. Satish Jain, M. Geetha, KratikaBPB Publications

#### **Online Resources:**

<https://support.office.com/en-us/office-training-center>

<https://www.skillshare.com/browse/microsoft-office>

[https://www.tutorialspoint.com/computer\\_fundamentals/index.htm](https://www.tutorialspoint.com/computer_fundamentals/index.htm)

<https://www.javatpoint.com/computer-fundamentalstutorial>

<https://edu.gcfglobal.org/en/subjects/office/>

<https://www.microsoft.com/en-us/learning/training.aspx>

**Practical Component: @ 2 hours/week/batch**

- MS word creation of documents letters invitations etc, tables, mail merge, animations in word, formatting text
- MS Excel performing different formulas, creating charts, macros
- MS power point slide creation, creation of animation
- MS Access creation of database, forms and reports

**RECOMMENDED CO-CURRICULAR ACTIVITIES:**

(Co-curricular activities shall not promote copying from textbook or from others work and shall encourage self/independent and group learning)

**Measurable**

1. Assignments (in writing and doing forms on the aspects of syllabus content and outside the syllabus content. Shall be individual and challenging)
2. Student seminars (on topics of the syllabus and related aspects (individual activity))
3. Quiz (on topics where the content can be compiled by smaller aspects and data (Individuals or groups as teams))
4. Field studies (individual observations and recordings as per syllabus content and related areas (Individual or team activity))
5. Study projects (by very small groups of students on selected local real-time problems pertaining to syllabus or related areas. The individual participation and contribution of students shall be ensured (team activity))

**General**

1. Group Discussion
2. Visit to Software Technology parks / industries

## **RECOMMENDED CONTINUOUS ASSESSMENT METHODS:**

Some of the following suggested assessment methodologies could be adopted;

1. The oral and written examinations (Scheduled and surprise tests),
2. Closed-book and open-book tests,
3. Coding exercises,
4. Practical assignments and laboratory reports,
5. Observation of practical skills,
6. Individual and group project reports,
7. Efficient delivery using seminar presentations,
8. Viva voce interviews.
9. Computerized adaptive testing, literature surveys and evaluations,
10. Peers and self-assessment, outputs from individual and collaborative work

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**INFORMATION TECHNOLOGY**  
**MODEL QUESTION PAPER**

*Time: 3 Hours]*

*[Max. Marks : 75*

**Section-A** **[5X5=25]**

Answer any **FIVE** of the following questions.

(at least 4 problems must be given)

- 1 Contents of **Unit-I**
- 2 Contents of **Unit-II**
- 3 Contents of **Unit-III**
- 4 Contents of **Unit-IV**
- 5 Contents of **Unit-V**
- 6 Contents of **Unit-I to Unit V**
- 7 Contents of **Unit-I to Unit V**
- 8 Contents of **Unit-I to Unit V**

**Section-B** **[5X10=50]**

Answer **FIVE** questions

- 9 a Contents of **Unit-I**(Theory/Problem)  
**(OR)**
- 9 b Contents of **Unit-I**(Problem)
  
- 10 a Contents of **Unit-II**(Theory/Problem)  
**(OR)**
- 10 b Contents of **Unit-II**(Problem)
  
- 11 a Contents of **Unit-III**(Theory/Problem)  
**(OR)**
- 11 b Contents of **Unit-III**(Problem)
  
- 12 a Contents of **Unit-IV**(Theory/Problem)  
**(OR)**
- 12 b Contents of **Unit-IV**(Problem)
  
- 13 a Contents of **Unit-V**(Theory/Problem)  
**(OR)**
- 13 b Contents of **Unit-V**(Problem)