

Add on Diploma Course in Computer Maintenance Part II Semester 3rd

2018-19, 2019-20 and 2020-21 Sessions

Paper A

External Marks: 45

Minimum Pass Marks: 35%

Internal Assessment : 15

Maximum Time: 3 Hrs.

Lectures to be delivered: 60 Periods

A) Instructions for paper-setter

The question paper will consist of three sections A, B & C. Sections A & B will have four questions from the respective sections of the syllabus and will carry 40% marks each. Section C will have 6-12 short answer type questions which will cover the entire syllabus uniformly and will carry 20% marks in all.

B) Instructions for candidates

Candidates are required to attempt two questions each from sections A & B of the question paper and the entire section C.

SECTION-A

Assembling a Personal Computer: Preparation of the Case, Configuration of the Motherboard, Installation of the Processor, Installation of the Memory, Prepare Drives for Installation, Installation of the Floppy Disk Drive, Installation of the Other Drives, Installation of the Motherboard, Connecting Cables to the Motherboard, Installation of the Expansion Cards, Perform the “Smoke Test”, Installation of the Software, Finishing Touches, BIOS /CMOS Setup Program, Various setup Options.

Computer Software: Knowledge of different types of programming language, Packages v/s programs, Necessity of software packages, Application v/s system software, Main software packages available for general use.

SECTION-B

Operating System Installation and Configuration: - Introduction to operating systems, Services and components of operating systems, types of operating systems

Installing Windows: Pre-installation Checks; Setup Methods; The Setup Process; Re-starting the Computer and Finishing the Installation, Setup Failure and Recovery; Windows setup, Files and folders, Windows Installation walk –through.

Windows 2000 Setup: - Hardware Requirements; Disk Partitions; File System Choices; Running the Setup Program; Stages of Setup; Windows 2000 root Files; The Recover Console

Reference Books:

1. Inside the PC, Peter Norton, PHI
2. Upgrading and Repairing PC, Scott Mueller, PHI
3. Complete PC upgrade and maintenance guide, Mark Minasi, BPB

PAPER-B: PRACTICAL BASED ON PAPER A

Max. Marks: 40

Min. Pass Marks: 35%

Max. Time: 1 Hrs

Practical units to be conducted: 40-50 Hrs

The Laboratory course will comprise of exercises from Paper A

The breakup of marks for the practical will be as under:

Lab Record	15 Marks
Viva Voce	15 Marks
Practical work	10 Marks

Add on Diploma Course in Computer Maintenance Part II Semester 4th

2018-19, 2019-20 and 2020-21 Sessions

Paper A

External Marks: 45

Minimum Pass Marks: 35%

Internal Assessment : 15

Maximum Time: 3 Hrs.

Lectures to be delivered: 60 Periods

A) Instructions for paper-setter

The question paper will consist of three sections A, B & C. Sections A & B will have four questions from the respective sections of the syllabus and will carry 40% marks each. Section C will have 6-12 short answer type questions which will cover the entire syllabus uniformly and will carry 20% marks in all.

B) Instructions for candidates

Candidates are required to attempt two question each from sections A & B of the question paper and the entire section C.

SECTION-A

UNIX operating system: Basic features of UNIX operating system, editors and commands of UNIX, Comparison with other operating systems, Installing UNIX

VIRUSES, ANTI VIRUSES AND UTILITIES

Introduction to viruses, Types of Viruses, How viruses spread, Virus detection programs, Virus prevention & removal, Anti virus vaccines, Use of disk manager (DM), NDD etc.

SECTION -B

CONFIGURATION

Configuring Drivers.-Configuring DOS Drivers; Configuring Windows 9X Drivers; Requirements [or Plug and Play; The Device Manager Configuring Printing: Windows 9X Printing; Windows NT/2000Printing

The Windows Registry And Other OS Configuration Files :-Overview of OS configuration files - DOS (AUTOEXEC.BAT, CONFIG.SYS); Windows 98, Windows NT SYSTEM .DAT, USER.DAT) **Windows 2000** (BOOT.INI)

Editing the Registry: - Registry entry structure; Avoiding Registry backup pitfalls; modifying entries with REGEDIT and REGEDIT 32

System configuration Issues: - Upgrading Windows 9x and NT to Windows 2000, Dual-booting Windows 2000 with Windows 98 or NT

Reference Books:

1. Inside the PC, Peter Norton, PHI
2. Upgrading and Repairing PC, Scott Mueller, PHI
3. Complete PC upgrade and maintenance guide, Mark Minasi, BPB

PAPER-B: PRACTICAL BASED ON PAPER-A

Max. Marks: 40

Min. Pass Marks: 35%

Max. Time: 1 Hrs

Practical units to be conducted: 40-50 Hrs

The Laboratory course will comprise of exercises from Paper A

The breakup of marks for the practical will be as under:

Lab Record	15 Marks
Viva Voce	15 Marks
Practical work	10 Marks