No. 3784 dtd 14/8/19

To,

The Principals of all Affiliated Polytechnics

Sub.: **Revision of contents of syllabus of Computer Application Lab followed in 1st/2nd Semester Diploma Course effective from 2019-20 session onwards**
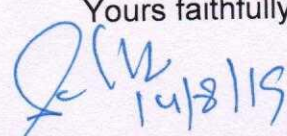
Sir/Madam,

In inviting a reference to the subject cited above, I am to say that , considering the inputs from various quarters including Govt. in SD&TE Department, the contents of syllabus of Computer Application Lab followed in 1st/2nd Semester Diploma Course has been revised a little bit. The revised contents of the Computer Application Lab followed in 1st / 2nd semester Diploma Course, as alternative to Communicative English Lab is enclosed herewith for reference.

You are therefore requested to take steps for immediate implementation of the said syllabus with effect from 2019-20 onwards.
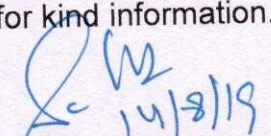
Yours faithfully

Encl: As above

14/8/19

Controller of Examination

Memo No. 3785 dt 14/8/19

Copy forwarded to the Additional Secretary, SD&TE Department for kind information.

14/8/19

Controller of Examination

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Pr.1b. COMPUTER APPLICATION LAB
(1st / 2nd sem Common)

Theory: 4 Periods per Week
Total Periods: 60 Periods

Sessional : 50 Marks
TOTAL MARKS : 50 Marks

1. BASIC COMPUTER OPERATION [04]
Identification of different components of Computer Switch on and Booting Process Shut down, Restart of computer

2. PERSONAL COMPUTER SYSTEM [12]
Study of device and power supply form factor of Personal Computer System
Identification of various Mother Board components
Identification of different ports, type of connectors, and their purpose, Cooling System of Processor and Case
Identification and Study of ROM, RAM, Adapter Cards, Expansion Slots, SATA connectors
Study of Adapters and Converters

3. COMPUTER LAB SAFETY AND STUDY OF LAB TOOLS [06]
Study of various types of LAB Safety measures (General Safety, Electrical Safety, Fire safety), Analysis of various Power Fluctuation Types (Blackout , Brownout, Noise, Spike, Power surge), Power Protection Devices (Surge suppressor, UPS, Standby power supply)
Procedures for proper disposal or recycling of hazardous computer components (Batteries, Monitors, Toner Kits, Cartridges, Chemical Solvents and Aerosol Cans)
Study of General Lab Tools (ESD tools, Hand tools, cable tools, Cleaning tools, Diagnostic tools), Disk Management Tools

7. OPERATINGSYSTEM [08]
Basic DOS commands (CLS, DIR, DATE, TIME, VERSION, MD, CD, RD, DEL, COPY, REN, USE OF WILD CARDS, PATH), Basic Windows OS operations, MOUSE OPERATIONS, Utilities and Accessories, Installation and configuration of OS

8. WORKING WITH MS-OFFICE [12]
Basic operations of Word Processing Package. (MS-Word),Basic operations of Electronic Spread Sheet Package. (MS-Excel), Basic operations of Presentation Package (MS- Power point) *(Create, Edit, Format, Save, Print/View in the above three packages)*

9. WORKING WITH INTERNET [06]
Getting acquainted with Internet connection, Browser, website
URL, webpage, http, WWW, net browsing
Creating E-Mail Id, sending and receiving E-mail Chatting

10. C PROGRAMMING [12]
1. Write a Program in C to find the greatest number among three numbers.
2. Write a Program in C to find the average of n numbers by using for loop.
3. Write a program in C to determine whether a number is prime or not?
4. Write a program in C to check whether a given number is palindrome or not?
5. Write a program in C to compute the sine series.
6. Write a program in C to accept row wise and column wise element in a two dimensional array and print them.
7. Write a program in C to find the vowels in a given string.
8. Write a program in C to find the factorial of a number, by using recursion.
9. Write a program in C to find the sum of Fibonacci series, by using function.
10. Write a program in C to accept a number from keyboard and print it in reverse order of entry, by using function.