

Roll No.

74054

M. Sc. Chemistry 2nd Sem.

(For Affiliated Colleges)

Examination – May, 2016

COMPUTER FOR CHEMISTRY (QUALIFYING)

Paper : CH-405

Time : Three Hours]

[Maximum Marks : 80

Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard, will be entertained after examination.

Note: Attempt any five questions. All questions carry equal marks.

1. (a) Draw block diagram of a computer and give functions of various units. 12
(b) Discuss Batch processing system. 4
2. Give various output device of a computer and discuss in detail. 16
3. (a) Discuss:
(i) RAM, 8
(ii) Cache Memory. 4
(b) Discuss Virtual Memory. 4

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4. (a) Explain Internet and Intranet. 12
(b) Discuss Multiprocessor. 4
5. Give computer applications to scientific, business, research, sports, medicine, health and teaching. 16
6. (a) Discuss flow chart. 4
(b) Program testing and execution. 4
(c) Discuss constants and variables in Fortran Language. 8
7. (a) To find area of a circle using Fortran Language (also use format). 8
(b) To find sum of given four numbers using Fortran Language. 8
8. (a) Write a Fortran Program to find largest of three numbers using if statement. 8
(b) Write a program in fortran to find sum of two given matrix. 8
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