

2020
Computer Science – Honours – Practical
Eighth Paper
Full Marks – 100

Marks distribution:

Group-A: Experiment	40 Marks
Group-B: Experiment	30 Marks
Group-C: Viva	30 Marks

Group-A (Answer any one question)

40 Marks

1. Write an object oriented program in C++ to add two Time objects
2. Write an object oriented program in C++ to Multiply two Matrix objects
3. Write an object oriented program in C++ to implement stack operations
4. Write an object oriented program in C++ to implement Single inheritance

Group-B (Answer any one question)

30 Marks

5. Write a shell script to print Fibonacci series up to a given number.
6. Write a shell script to check a given number is Prime or not.
7. Write a shell script to perform bubble sort.
8. Write a shell script to print the following pattern for N lines.

```
* * * *
 * * *
  * *
   *
```

Group-C (Answer any five questions)

5x6=30

- 1. What are features of Object oriented programming?*
- 2. What are features of constructor?*
- 3. Describe any two types of inheritance?*
- 4. What are the differences between overloading and overriding?*
- 5. Explain CAT Command.*
- 6. Explain GREP Command.*
- 7. Explain ECHO Command.*
- 8. How to write for loop in bash shell? Example*