Roll No. ☐☐☐☐☐☐☐☐☐☐☐☐☐

Total No. of Pages: 01
Total No. of Questions: 07

BCA (Sem.-4^{th)}
OPERATING SYSTEMS
Subject Code: BSBC-403
Paper ID: [B0242]

Time: 3 Hrs.   **Max. Marks: 60**

INSTRUCTIONS TO CANDIDATE:
1. *Section –A is compulsory. Each question carry Two marks.*
2. *Attempt any Four questions from Section-B. Each question carry Ten marks*

Section –A

(10x2=20)

Q.1 Write short notes on:

(a)   What is antivirus?

(b)   What is differentiate between Process and program?

(c)   Differentiate between virus and worm.

(d)   Define Bootstraping.

(e)   What do you mean by multi threading?

(f)   Differentiate between Logical versus Physical address space.

(g)   What is difference between application program and system programs.

(h)   Differentiate between Multiprogramming and Multitasking

(i)   Explain any one method to protect a file.

(j)   What is Multi User Operating System?

SECTION –B

(4x10=40)

Q.2   Explain in detail inter Process Communication.   (10)

Q.3   a) Write a short note on Paging and Segmentation.   (6)

        b) Discuss thrashing.   (4)

Q.4   Explain the working of I/O device management system.   (10)

Q.5   a) Write a short note on system threats and Encryption.   (5)

        b) Discuss the functionality of firewall.   (5)

Q.6   a) Briefly explain scheduling criteria in CPU.   (5)

        b) Write a note on scheduling Algorithms.   (5)

Q.7   a) What do you know about File and Access method of

        file management?   (6)

        b) What is remote file system?   (4)

:---END:---