**BHARTIYA INSTIYUTE OF ENGINEERING & TECHNOLOGY-SIKAR**

CLASS VI SEM

SUB: ATOS (6CS6.1A)

QUESTION BANK

UNIT-1

Q1. Q1. Explain following:

1. Monolithic (b) microkernel OS structure

 Q2. Explain client-server model OS structure with its various advantages?

Q3. Explain message passing in detail?

Q4. What do you mean by threads? Explain various threading issues?

Q5. Explain RPC in detail with example?

Q6. Explain RMI in detail with example?

UNIT-2

Q1. What are the various file allocation methods? Explain in detail?

Q2. What do you mean by virtual file system? Explain?

Q3. Write short notes on:

1. USB 2. IDE 3.SCSI

Q4. Explain RAID system levels in detail?

Q5. What do you mean by security problem? Explain various program threats?

Q6. Explain various directory implementation techniques?

UNIT-3

Q1. Differentiate between unix and linux?

Q2. Explain design principles and kernel structure of linux os?

Q3.Explain network file system of linux in detail?

Q4. Write down security system of linux system?

Q5. Write short note on process scheduling in linux os?

UNIT-4

Q1. Explain the FAT & NTFS in context with windows OS?

Q2. Explain the Kernel structure of windows OS?

Q3. Write short note on POSIX?

Q4. Write short note on process scheduling in windows?

Q5. Explain fault tolerance and volume management in window os?

UNIT-5

 Q1. Describe architecture of following: (1) BUS (2) CROSSBAR SWITCH

Q2. Explain Multistage Interconnection Network for multiprocessors?

Q3. Write down short notes: a.) security b) garbage collection

Q4. What do you mean by multimedia? Explain its types?

Q5. Explain File system layouts in windows OS?

Q6. Write down short note on following mobile os:

1. Palm mobile os
2. Symboian os

Q7. Explain various data compression techniques in detail?