

SEAT No. \_\_\_\_\_

No. of Printed Pages: 01

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**SARDAR PATEL UNIVERSITY**  
**SYBBA (ITM) (3 Years) Examination, Semester – III (CBCS) (NC)**  
**Fundamentals of Operating Systems**  
**UM03DBBI26**

Date: Wednesday January 13, 2021

Time: 10:00 am to 12:00 pm

Total Marks: 60

**NOTE: Attempt ANY FOUR questions. Each question carries equal marks.**

- Q – 1 Define: Operating System. Explain various types of Operating Systems in detail. [15]
- Q – 2 Explain User Interface in detail. [15]
- Q – 3 Explain following Operating Systems in detail [15]  
a) DOS b) UNIX c) Macintosh
- Q – 4 [A] Explain following in detail. [10]  
a) Windows 2000 Server b) Windows Server 2008
- [B] Write a note in brief: Android [05]
- Q – 5 What is Active Directory? Explain the purpose and features of Active Directory in detail. [15]
- Q – 6 [A] Explain fault tolerance and load balancing in detail. [10]
- [B] Explain Workgroup in brief. [05]
- Q – 7 [A] Define: Linux Operating System. Explain various features of Linux Operating System in detail. [10]
- [B] Write a note on: Linux distributions. [05]
- Q – 8 [A] Explain following commands in brief: [10]  
a) mkdir b) date c) login d) ls e) man
- [B] Explain strength and weaknesses of Linux in brief. [05]