



**DAB-003-2034004**      Seat No. \_\_\_\_\_

**B. C. A. (Sem. IV) (CBCS) (W.E.F. 2019)**

**Examination**

**April - 2022**

**CS - 22 : Operating System Concept with UNIX/LINUX**

**Faculty Code : 003**

**Subject Code : 2034004**

Time :  $2\frac{1}{2}$  Hours]

[Total Marks : 70

- 1    (a) Objective type questions : 4
- (1) What is OS ?
- (2) Full form of NOS.
- (3) Full form of RTOS.
- (4) Full form of PCB.
- (b) Explain Batch Operating System. 2
- (c) Explain Process State Transition Diagram. 3
- (d) Explain Round Robin with Example. 5
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- 2    (a) Objective type questions : 4
- (1) Full form of PID.
- (2) Full form of FCFS.
- (3) Full form MDR.
- (4) List Process Scheduling Policies.
- (b) Explain Time Sharing Operating System. 2
- (c) Explain Types of Memory Allocation? 3
- (d) Explain Virtual Memory. 5

<b>3</b>	(a) Objective type questions :	<b>4</b>
	(1) UNIX was develop in _____.	
	(2) Full form of EGREP.	
	(3) WC command count _____, _____ and _____.	
	(4) List the command of Tools for sorting.	
	(b) Explain UNIX Architecture.	<b>2</b>
	(c) Explain GREP command.	<b>3</b>
	(d) Explain Redirection with example.	<b>5</b>
 <b>4</b>	 (a) Objective type questions :	 <b>4</b>
	(1) Which command is used to display beginning of file ?	
	(2) Which command is used to changing group without changing the owner of file ?	
	(3) Which command is used to display present working directory ?	
	(4) Which command is used to save and quit the file ?	
	(b) Explain types of Shell.	<b>2</b>
	(c) List the comparing file command, explain any one in details.	<b>3</b>
	(d) Explain types of Files in UNIX.	<b>5</b>
 <b>5</b>	 (a) Objective type questions :	 <b>4</b>
	(1) Linux was Created by _____.	
	(2) Echo \$! returns _____.	
	(3) Full form of POST.	
	(4) Full form of GRUB.	
	(b) Explain Open Source and Freeware.	<b>2</b>
	(c) What is variable ? Explain shell variable.	<b>3</b>
	(d) Explain Linux Booting Loader.	<b>5</b>

- 6** (a) Objective type questions : **4**
- (1) Full form of MBR.
  - (2) Full form of LILO.
  - (3) Full form of BIOS.
  - (4) Full form of GUI.
- (b) Explain concept of GNU and GPL. **2**
- (c) List the types of Loop ? Explain any one with example. **3**
- (d) Write a shell script to check whether a number is Armstrong or not. **5**
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- 7** (a) Objective type questions : **4**
- (1) Full Form of KDE.
  - (2) Full Form of GNOME.
  - (3) To Configure X, which Program should be launched ?
  - (4) Which command used to initialize an X session ?
- (b) Write down steps for installing software in Ubuntu. **2**
- (c) Explain Layered Structure of X Window System. **3**
- (d) Explain GNOME desktop environments. **5**
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- 8** (a) Objective type questions : **4**
- (1) Write syntax to install a package in Linux.
  - (2) Which utility is used to control the arrangement and appearance of windows ?
  - (3) What is acronym for widget ?
  - (4) Which command is used to delete a file ?
- (b) Write down steps for uninstalling software in Ubuntu. **2**
- (c) What is purpose of window manager ? **3**
- (d) Explain KDE desktop environments. **5**

- 9** (a) Objective type questions : **4**
- (1) Full form of SWAT.
  - (2) Full form of DNS.
  - (3) Full form of FTP.
  - (4) The UFW is an acronym for \_\_\_\_\_.
- (b) Optimizing LDAP services. **2**
- (c) Write the step for create new user in Ubuntu. **3**
- (d) How to work with apache server in Linux ? **5**
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- 10** (a) Objective type questions : **4**
- (1) SUDO stands for \_\_\_\_\_.
  - (2) Full form of LDAP.
  - (3) Samba was released in \_\_\_\_\_.
  - (4) Which package is used to install FTP server on Ubuntu ?
- (b) Install and configuring WINE. **2**
- (c) How can user Configure Firewall in Ubuntu ? **3**
- (d) How to install SAMBA server and manage. **5**
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