

# **PG-DITISS – Session 3 & 4**

## **Linux Installation, Boot Process & Package Management – 45 MCQs**

**Q1. Linux installation mainly involves:**

- A. Kernel compilation
- B. Installing OS on system
- C. User creation
- D. Network setup

**Q2. Anaconda installer is used in which Linux family?**

- A. Debian
- B. Arch
- C. Red Hat
- D. Slackware

**Q3. Anaconda supports which installation modes?**

- A. GUI only
- B. Text only
- C. GUI and Text
- D. Silent only

**Q4. Hands-free installation is also known as:**

- A. Manual install
- B. Kickstart install
- C. Live install
- D. Rescue install

**Q5. Kickstart file is used for:**

- A. Boot repair
- B. Automated installation
- C. User creation
- D. Package removal

**Q6. Linux booting starts with:**

- A. Kernel
- B. GRUB
- C. BIOS/UEFI
- D. init

**Q7. GRUB is responsible for:**

- A. Loading kernel
- B. Starting services
- C. Managing users
- D. Installing packages

**Q8. GRUB configuration files are stored in:**

- A. /etc/grub
- B. /boot/grub
- C. /usr/grub
- D. /root/grub

**Q9. Kernel images are stored in:**

- A. /lib
- B. /boot
- C. /etc
- D. /usr

**Q10. Initial RAM disk is called:**

- A. swap
- B. initrd/initramfs
- C. rootfs
- D. bootfs

**Q11. initramfs is used to:**

- A. Load required drivers
- B. Create users
- C. Install packages
- D. Configure network

**Q12. After kernel loading, which process starts first?**

- A. systemd/init
- B. login
- C. bash
- D. cron

**Q13. Traditional runlevel 0 means:**

- A. Reboot
- B. Shutdown
- C. Single user
- D. Multi user

**Q14. Traditional runlevel 3 indicates:**

- A. GUI mode
- B. Text multi-user
- C. Shutdown
- D. Reboot

**Q15. Traditional runlevel 5 indicates:**

- A. Single user
- B. Text mode
- C. Graphical mode
- D. Rescue

**Q16. Command to check current runlevel:**

- A. who
- B. runlevel
- C. uptime
- D. ps

**Q17. systemd replaced which component?**

- A. GRUB
- B. Kernel
- C. init
- D. BIOS

**Q18. Swap space is mainly used for:**

- A. Backup
- B. Virtual memory

- C. Booting
- D. Storage

**Q19. RPM stands for:**

- A. RedHat Package Manager
- B. Remote Package Module
- C. Rapid Package Manager
- D. Root Package Manager

**Q20. RPM is used in:**

- A. Debian
- B. Ubuntu
- C. Red Hat
- D. Arch

**Q21. Command to install RPM package:**

- A. rpm -qa
- B. rpm -e
- C. rpm -ivh
- D. rpm -q

**Q22. DEB packages are used in:**

- A. Red Hat
- B. CentOS
- C. Debian
- D. Fedora

**Q23. Package manager for DEB:**

- A. yum
- B. rpm
- C. apt
- D. zypper

**Q24. YUM stands for:**

- A. Yellowdog Updater Modified
- B. Young Unix Manager
- C. Your Update Manager
- D. Yellow Unix Module

**Q25. YUM is mainly used for:**

- A. User management
- B. Package management
- C. Boot loader
- D. Disk format

**Q26. Repository contains:**

- A. Logs
- B. Users
- C. Software packages
- D. Boot files

**Q27. YUM repository files are stored in:**

- A. /etc/yum.repos.d
- B. /etc/repos
- C. /boot/repos

D. /var/repos

**Q28. Improper GRUB configuration may cause:**

- A. Slow system
- B. Boot failure
- C. Login error
- D. Network issue

**Q29. Boot loader loads kernel into:**

- A. Disk
- B. Cache
- C. RAM
- D. Swap

**Q30. Live installation allows:**

- A. Permanent install only
- B. Testing without install
- C. Automated install
- D. Repair only

**Q31. Anaconda supports disk partitioning like:**

- A. MBR only
- B. GPT only
- C. MBR and GPT
- D. None

**Q32. Which file system is common in Linux?**

- A. NTFS
- B. FAT32
- C. ext4
- D. exFAT

**Q33. Kernel panic occurs due to:**

- A. Wrong user
- B. Boot issues
- C. Missing drivers
- D. All of these

**Q34. initramfs failure leads to:**

- A. Slow boot
- B. Kernel panic
- C. Login error
- D. GUI error

**Q35. GRUB allows selecting:**

- A. Users
- B. Operating systems
- C. Packages
- D. Runlevels

**Q36. Which command updates GRUB config?**

- A. update-grub
- B. grub-install
- C. grub-repair
- D. grub-update

**Q37. Kickstart file extension is usually:**

- A. .cfg
- B. .ks
- C. .conf
- D. .txt

**Q38. Hands-free install is preferred in:**

- A. Home PCs
- B. Enterprise setup
- C. Single user
- D. Testing only

**Q39. Package dependency resolution is handled by:**

- A. rpm
- B. dpkg
- C. yum/apt
- D. tar

**Q40. Which directory stores boot loader files?**

- A. /etc
- B. /boot
- C. /lib
- D. /usr

**Q41. systemd uses which unit files?**

- A. .conf
- B. .service
- C. .unit
- D. .boot

**Q42. Runlevel 6 represents:**

- A. Shutdown
- B. Reboot
- C. Rescue
- D. GUI

**Q43. Which mode is used for system maintenance?**

- A. Runlevel 1
- B. Runlevel 3
- C. Runlevel 5
- D. Runlevel 6

**Q44. GRUB2 is successor of:**

- A. LILO
- B. GRUB Legacy
- C. systemd
- D. init

## **Answer Key**

Q1—B, Q2—C, Q3—C, Q4—B, Q5—B, Q6—C, Q7—A, Q8—B, Q9—B, Q10—B, Q11—A, Q12—A, Q13—B, Q14—B, Q15—C, Q16—B, Q17—C, Q18—B, Q19—A, Q20—C, Q21—C, Q22—C, Q23—C, Q24—A, Q25—B, Q26—C, Q27—A, Q28—B, Q29—C, Q30—B, Q31—C, Q32—C, Q33—D, Q34—B, Q35—B, Q36—A, Q37—B, Q38—B, Q39—C, Q40—B, Q41—B, Q42—B, Q43—A, Q44—B