

# 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