

POKHARA UNIVERSITY

Level: Bachelor
Programme: BCA
Course: E-Business

Semester: Fall

Year : 2018
Full Marks: 100
Pass Marks: 45
Time: 3 hrs.

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt all the questions.

- | | | |
|----|---|-----|
| 1. | a) Define e-commerce and e-business? What are the scope of electronic commerce? | 8 |
| | b) What is B2B and B2C model and what are its characteristics, advantages and disadvantages. | 7 |
| 2. | a) Define software agents and what are the values of software agents in a networked world. | 7 |
| | b) Explain the price discovery mechanisms of brokerage model. | 8 |
| 3. | a) Define e-payment system and what are the risk factors in e-payment systems? | 8 |
| | b) Explain e-business risk management issues. | 7 |
| 4. | a) Define customer life cycle and what are the three phases of CRM. | 7 |
| | b) What are e-SCM? Explain the objectives of SCM. | 8 |
| 5. | a) What is digital token-based e-payment system? Differentiate between traditional marketing and e-marketing. | 8 |
| | b) What is Knowledge Management and e-SKM? Explain the McKinsey 7S framework? | 7 |
| 6. | a) What is e-branding? Explain different types of marketing strategies. | 7 |
| | b) What are the guidelines to prepare the good website and maintaining a website? | 8 |
| 7. | Write short notes on any two: | 2×5 |
| | a) Purchase v/s Procurement | |
| | b) Sell-side and Buy-Side | |
| | c) Intellectual and property right | |

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Attempt all the questions.

1. a) Differentiate between E-commerce and E-business. What are the features of E-commerce? 8
- b) What are the types of E-business model based on the relationship of Transaction parties. 7
2. a) What are software agents? Describe the mobile and collaborative agents. 8
- b) Define e-procurement. Explain the sell-side and market side solution of procurement. 7
3. a) Define following terms: E-Marketing, e-advertisement, e-branding. Do you agree they are interrelated to each other? Justify with examples. 8
- b) Briefly explain various brand leveraging strategies. 7
4. a) Define digital-token-based e-payment system and what are the classification of new payment systems. 8
- b) Define threats? What are the criteria to secure the information system from security risks? 7
5. a) Today's business success factor is good CRM. Justify the statement and also illustrate how this can further be advanced through e-CRM. 8
- b) What do you mean by e-SCM? Define various components of e-supply chain management. 7
6. a) Define E-strategy. Briefly explain the McKinsey 7S framework with necessary diagram. 8
- b) Define Vickery Auction. What are the types of Aggregator? Explain. 7
7. Write short notes on any two: 2×5
 - a) Knowledge as a key Business Asset
 - b) Intellectual Property Right, Copy Right, Trade Mark
 - c) Procurement and Purchasing

POKHARA UNIVERSITY

Level: Bachelor
Programme: BCA
Course: E-Business

Semester: Fall

Year : 2020
Full Marks: 100
Pass Marks: 45
Time : 3hrs

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt all the questions.

- | | | |
|----|--|-----|
| 1. | a) Define electronic commerce. Differentiate between traditional commerce and e-commerce. | 7 |
| | b) Discuss B2B, B2C and C2B models with examples. | 8 |
| 2. | a) Define auction process. What are the types of auction? Explain each in detail. | 7 |
| | b) What is software agent? Explain the detail overview of different agent's types. | 8 |
| 3. | a) Write notes on the following | 4×2 |
| | i. Network securities and Firewall | |
| | ii. EDI | |
| | iii. Digital Signature | |
| | iv. Credit card vs Debit card | |
| | b) Define purchase and procurement. Explain the sell-side and buy-side solution of procurement. | 7 |
| 4. | a) What is meant by E-marketing? Explain how it is playing a vital role in the success of electronic business. Explain different E-marketing segmentation using customer's behavior. | 8 |
| | b) Differentiate between online marketing and traditional marketing. | 7 |
| 5. | a) Do you agree "e-payment system is more complicated but effective and efficient method of payment"? Classify and explain different types of new payment systems. | 8 |
| | b) What are the securities challenges and the protection measures available to any electronic business? | 7 |
| 6. | a) What is e-CRM? Explain managing customer value orientation and life cycle. | 7 |
| | b) What is knowledge management? Explain McKinsey 7s | 8 |

framework for developing E-strategy?

7. Write short notes on any two:

- a) Procurement vs Purchase
 - b) e-SCM
 - c) Intellectual property right

POKHARA UNIVERSITY

Level: Bachelor
Programme: BCA
Course: E-Business

Semester: Fall

Year : 2021
Full Marks: 100
Pass Marks: 45
Time : 3hrs.

Candidates are required to give their answers in their own words as far as practicable.

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Attempt all the questions.

1. a) Advancement in internet transform today's business model. Justify the statement. 7
- b) What is brokerage model? Differentiate between B2C and B2B e-business model with characteristics. 8
2. a) What are software agents? What are different types of agents? 7
- b) Define terms e-marketing. What are the functions of e-marketing? 8
3. a) What is EDI? Discuss the requirements and risk factors of Electronic Payment System. 8
- b) Define information system security? Explain the firewall concept of network security. 7
4. a) Explain Mckinsey 7s framework for developing E-strategy? 8
- b) What is E-CRM toolkit? Define three phases of CRM. 7
5. a) Define procurement service provider (PSP)? Write about sell-side and buy-side market solution. 8
- b) Write about social media and content marketing with their relative advantages and disadvantages. 7
6. a) What is secure electronic transaction? Discuss different types of cyber crimes? 8
- b) What are the advantages and disadvantages of credit cards as e-payment? 7

7. Write short notes on any two:

- a) Vickary auction
- b) Digital signature
- c) Micropayment system

POKHARA UNIVERSITY

Level: Bachelor
Programme: BCA
Course: E-Business

Semester: Fall

Year : 2022
Full Marks: 100
Pass Marks: 45
Time : 3hrs.

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt all the questions.

1. a) What is E-commerce? Differentiate between traditional commerce and e-Commerce. 7
- b) Explain e-business model based on the relationship of transaction parties. 8
2. a) What do mean by price discovery model? Briefly, explain the types of Brokerage model. 8
- b) What do you understand by viral marketing? Explain different types of marketing strategies. 7
3. a) How do you explain types of software agents through its' panoramic overview? Write advantages of smart and hybrid software agent. 8
- b) What are the steps involved in online payment system? Explain. 7
4. a) Define E-Procurement. Explain Seller-side and market side solution of procurement. 8
- b) What are the guidelines to prepare the good websites and maintaining a website? 7
5. a) Managing Internet Security is a big challenge of today's business. Are you satisfied with this statement? Points out the various business risk due to security and suggests the possible minimization technique of risk. 8
- b) Define customer life cycle and what are the three phases of CRM. 7
6. a) What do you mean by e-SCM? Define various components of e-Supply Chain Management. 8
- b) What are business touch points? How do they provide competitive advantage in business? Give examples. 7

7. Write short notes on any two:
- a) Internet, Extranet and Intranet
 - b) Cross border legal issues
 - c) Knowledge as a key Business Asset

POKHARA UNIVERSITY

Level: Bachelor
Programme: BCA
Course: E-Business

Semester: Fall

Year : 2023
Full Marks: 100
Pass Marks: 45
Time : 3 hrs.

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt all the questions.

1. a) Define E-Business and E-Commerce. Explain the features and advantages of E-Commerce. 8
- b) List out and explain the E-Business Models based on Relationship of Transaction Parties. 7
2. a) Define Brokerage Model. Explain the ways for Price Discovery in Brokerage Model. 7
- b) Define Intranet and Extranet. List out and explain different types of Software agents. 8
3. a) Differentiate between Traditional Marketing and E-Marketing. Explain various means of E-Advertisement. 7
- b) Define E-Branding. Explain the components and advantages of E-Branding. 8
4. a) Define E-Payment System. Explain different types of E-Payments System. 8
- b) Define Information Security. List out the Threats in Internet and how do you minimize vulnerabilities in Internet and Web. 7
5. a) Define E-CRM with its toolkit. 7
- b) Define e-Supply chain. List out its elements and explain e-Supply chain Architecture. 8
6. a) Define Knowledge Management. Explain the McKinsey's 7S Framework. 8
- b) Define Cybercrime and Cyber Law. Explain different kinds of Intellectual Property Right. 7
7. Write short notes on: (Any two) 2×5
 - a) E-Procurement Vs E-Purchase
 - b) World Wide Web
 - c) Knowledge as Key Business Asset

GRANDEE INTERNATIONAL COLLEGE

Level: Bachelor

Final Assessment

Year:2018

Programme: BCA VII

Full Marks: 100

Course: Linux

Pass Marks: 50

Time : 3hrs.

* Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt all the questions.

1. What do you understand by Linux Kernel? Is it legal to edit it? Explain the term GUI? 8
2. How can you determine the total memory used by LINUX? Why Linux is considered as more secured than other operating systems? 7
3. What are daemons? Enlist some Linux networking and troubleshooting commands? 8
4. Explain the procedure of setting up of web server? How a web site can be hosted in LAN using Linux? 7
5. Give hardware requirement for installing Linux operating system. Also elaborate the steps for installing the Red-Hat Linux from DVD? 8
6. Explain the procedure of adding, removing and modifying user accounts in Linux with necessary commands and examples? 7
7. What do you mean by DNS and reverse DNS? Explain BIND software. 8
8. What do you mean by Linux Shell? What is ksh? What are the basic differences between BASH and DOS? 7
9. What is crontab and explain its functionality and explain the format of crontab? What do you understand by CLI? 8
10. Explain the file permissions in detail. 7
11. What do you mean by LILO? What is GNU GRUB? What is Linux swap partition and what does it do? 8
12. What do you mean by run level? Explain different run level with their function 7
7. write short notes on : (any two) 2x5
- a) File Security
 - b) ISP Simulation
 - c) NIS Server

POKHARA UNIVERSITY

Level: Bachelor
Programme: BCA
Course: Linux

Semester: Fall

Year : 2018
Full Marks: 100
Pass Marks: 45
Time: 3hrs.

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt all the questions.

1. a) "IT is running on cloud and cloud is running on Linux." Justify the statement. 7
- b) Write the purpose of following directories in Linux. 8
 - i) /home v) /dev
 - ii) /boot vi) /var
 - iii) /tmp vii) /proc
 - iv) /root viii) /etc
2. a) What is initrd? Explain the stages of Linux boot process. 7
- b) What is SUDO? Why not use root account all the time? Explain. 8
3. a) What are modules on Linux system? How do you use them? Explain. 7
- b) Explain the following user management commands with example of each.
useradd, usermod, groupadd, userdel 8
4. a) What do you mean by Shell Script? Write a shell script program to find the largest integer among given three integers. 7
- b) What do you mean by shadow password file? Explain how you can make your password more secure and stronger. 8
5. a) What do you mean by web server? Why are they needed? Explain. 7
- b) What do you mean by DHCP, DHCP server and DHCP client? How DHCP works? Explain. 8
6. a) Why is DNS important? Explain the process of DNS configuration in Linux. 7
- b) What do you mean by database server? Explain the configuration of database server in linux. 8
7. Write short notes on any two: 2×5
 - (a) Command shell
 - (b) File Permissions
 - (c) ISP Simulation

POKHARA UNIVERSITY

Level: Bachelor
Programme: BCA
Course: Linux

Semester: Fall

Year : 2019
Full Marks: 100
Pass Marks: 45
Time : 3hrs.

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt all the questions.

1. a) Explain the Linux with its architecture. What are the different Linux distribution? Explain any two. 3+5
- b) Define term 'culture of free software'? How Linux and UNIX is related? Explain. 2+5
2. a) Define and explain Shell? Differentiate between TCSH and KSH? 5+3
- b) What are the different Linux supporting files? Explain. Differentiate between ext2, ext3 and ext4 file system. 5+2
3. a) What is general partitioning scheme while installing Linux Operating System and what do you prefer or recommend? 8
- b) How can you monitor system performance in Linux? Explain with example 7
4. a) What are different run levels in Linux? Explain method to change these run levels. 8
- b) Write the function of following command with example.
 rpm -i, fdisk -l, at, iptables, alias, chgrp, chmod, man, pstree, nslookup 7
5. a) Write a program to check whether a given number is prime or not using shell scripts. 7
- b) How can you manage for scheduling a job in Linux, explain with example. 8
6. a) What is MYSQL? What are the packages and configuration of MYSQL? 7
- b) What is DHCP server? Define packages and configuration settings for both client and server sites. 8

7. Write short notes on any two:
- a) UNIX System
 - b) DHCP Message
 - c) Mounting and un-mounting

POKHARA UNIVERSITY

Level: Bachelor
Programme: BCA
Course: Linux

Semester: Spring

Year : 2018
Full Marks: 100
Pass Marks: 45
Time : 3hrs.

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt all the questions.

1. a) How does open source becomes famous? Write the advantages of Linux over other operating system. 8
- b) What is Grub? What is the configuration file for grub loader? Explain. 7
2. a) Write a shell script to find the largest among the four numbers. 8
- b) Give hardware requirement for installing Linux operating system. Also elaborate the steps for installing the Red-Hat Linux from digital optical disc storage? 7
3. a) What are roles and responsibilities of a Linux administrator in Linux system? 8
- b) Explain the procedure of adding, removing and modifying user accounts in Linux with necessary commands and examples? 7
4. a) What is Backup and Restore? Explain any two backup tools available in Linux? 8
- b) How can you maintain the security in Linux? Write down the security check list in Linux. 7
5. a) What is DHCP server? How can you configure DHCP server and client? 8
- b) Explain the procedure of setting up of web server? How a web site can be hosted in LAN using Linux? 7
6. a) What is MYSQL Database? Write the configuration file and setting for MYSQL Database. 8
- b) What is BIND Server? Define configuration settings for DNS server. 7
7. Write short notes on any two: 2×5
 - a) Run level in linux
 - b) Simulation of ISP
 - c) Kudzu Hardware Detection
 - d) DNS Server

POKHARA UNIVERSITY

Level: Bachelor **Semester:** Fall **Year :** 2020
Programme: BCA **Full Marks:** 100
Course: Linux **Pass Marks:** 45
 Time : 3hrs.

7. Write short notes on any two:

 - a) ISP simulation
 - b) Database server
 - c) Root login Vs super login

Candidates are required to give their answers in their own words as far as practicable.

The figures in the margin indicate full marks.

Attempt all the questions.

1. a) Why is Linux operating system popular? Differentiate between open source software and freeware. 7

b) What is a shell? Explain Linux file system. 8

2. a) What is MBR and GPT? Explain the boot process in Linux. 7

b) What is Kudzu? What are the module configurations commands? Explain with example of each. 8

3. a) Write the syntax for the file permission for the file system for a given filename “file.sh” for following conditions: 8

 - i. read write execute by owner
 - ii. read by all
 - iii. Execute by anybody
 - iv. read by owner, write by group, read by others

b) What do you mean by disk quota? Write the steps of setting user disk quotas. 7

4. a) Explain system task scheduling using crontab. How do you restore files from your backup data? Explain. 8

b) Define KSH. Write a shell script program to check a given number is prime number. 7

5. a) Explain the procedure of setting up of web server? How a web site can be hosted in Linux? 8

b) Why DHCP server is necessary? Explain about the configuration file. 7

6. a) Write the steps to start,stop and configure MYSQL server in Linux. 8

b) How can you configure DNS server in Linux system? Write down the configuration files. 7

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Attempt all the questions.

1. a) Why Linux operating system is so popular? Differentiate between open-source software and freeware software. 7
- b) Define the function of following commands with examples: 8
 - i. ifconfig
 - ii. du
 - iii. top
 - iv. chmod 741
 - v. cat
 - vi. nslookup
 - vii. touch
2. a) Explain Partitioning in Linux? Define main partitions required during Linux installation. 7
- b) What are the improvements offered by BASH shell. Write a shell script program to find the given number is palindrome. 8
3. a) What is a root user? Explain the methods to monitor system performance in Linux Environment. 8
- b) Explain the symbolic and absolute method for giving permission to a file. Change the permission of a file named GPT.sh
 - (1) write only by owner
 - (2) read and execute by other
 - (3) Execute by all
 - (4) read by owner, write by group, read by others7
4. a) How can you schedule jobs in Linux? Explain with an example. 7
- b) What is Kudzu? What are the module configurations commands write with example of each? 8
5. a) How do you configure the host name and ports of a web server? Write down the steps to install, configure and start the web server (e.g. apache2) in brief. 7

- b) What is the purpose of DHCP Server? Explain DORA Process in detail. 8
6. a) What is a MYSQL Database server? Explain the configuration file of MYSQL Database server in Linux. 8
- b) If you are a system engineer for Linux based networks, how would you set up a DNS server and which GNU/Linux based operating system would you choose? Elaborate your answer. 7
7. Write short notes on **any two:** 2×5
- a) ISP simulation
 - b) Vi text editor
 - c) Root login Vs super login

POKHARA UNIVERSITY

Level: Bachelor
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Course: Linux

Semester: Fall

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Attempt all the questions.

1. a) Explain free software movement. Discuss the culture of free software. 7
- b) Explain the role of shell. Which Linux text editor do you use and why? Explain. 8
2. a) What is MBR and GPT? Explain the boot process in Linux. 8
- b) What is Kudzu? What are the module configurations commands write with example of each? 7
3. a) What do you mean by run level? Explain different run level with their functions. 8
- b) How can you manage for scheduling a job in Linux, explain with example. 7
4. a) Explain the symbolic and absolute method for giving permission to a file. Change the permission of a file named Hello.sh 8
 - i. Write only by owner.
 - ii. Read and execute by other
 - iii. Execute by all,
 - iv. Read by owner, write by group, read by others.
- b) Write a BASH shell script program that calculates the sum of numbers from 1 to 10. 7
5. a) Explain the purpose of crontab in the context of scheduling tasks. Provide an example of a crontab entry to schedule a task to run every day at 2:30 PM. 8
- b) Explain the procedure of setting up of web server. How a web site can be hosted in Linux? 7
6. a) Why DHCP server is necessary? Explain about the configuration file used. 7

- b) What is a MYSQL Database server? Explain the configuration file of 8
MYSQL Database server in Linux.
7. Write short notes on: (Any two) 2×5
- a) Network model
 - b) Steps to set up DNS Server
 - c) DNS Configuration in Configuration File