K23U 4044

Reg. No. : .....

Name : .....

**I Semester B.C.A. Degree (CBCSS – OBE – Regular / Supplementary / Improvement) Examination, November 2023**
**(2019 Admission Onwards)**
**General Awareness Course**
**1A11BCA : INFORMATICS FOR COMPUTER APPLICATIONS**

Time : 3 Hours Max. Marks : 40

## PART – A
**(Short Answer)**

Answer **all** questions. **(6×1=6)**

1. What is system software ?
2. Give examples of optical storage devices.
3. What is a CPU register ?
4. What do you mean by shell ?
5. What is meant by hardware ?
6. What is Linux ?

## PART – B
**(Short Essay)**

Answer **any 6** questions. **(6x2=12)**

7. What are the characteristics of secondary storage devices ?
8. Differentiate Input and Output devices. Give examples for each.
9. What are the common environment variables in Linux ?

P.T.O.

10. Explain machine level language.
11. What is meant by 'Digital Divide' ?
12. What are the types of Operating Systems ?
13. List the functions of computers.
14. Define the following terms :
    a) free software
    b) open source.

## PART – C
**(Essay)**

Answer **any 4** questions. **(4×3=12)**

15. What are the features of good language ?
16. What are Hub, Switch and Router ? What is their use ?
17. Explain ROM and its types.
18. What is Mounting in the Linux Filesystem ?
19. Briefly explain any two hardware/software.
20. What are the points on which cyber ethics focuses ?

## PART – D
**(Long Essay)**

Answer **any 2** questions. **(2×5=10)**

21. Explain in detail the basic units of the Von Neumann model.
22. What are Linux file permissions ? Explain in detail.
23. Write a short note on operating systems and its features.
24. What are the major areas of cyber laws ?

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K22U 3393

Reg. No. : .....

Name : .....

**I Semester B.C.A. Degree (C.B.C.S.S. – O.B.E. – Regular/Supplementary/ Improvement) Examination, November 2022**
**(2019 Admission Onwards)**
**GENERAL AWARENESS COURSE**
**1A11BCA : Informatics for Computer Applications**

Time : 3 Hours Max. Marks : 40

PART – A
**(Short Answer)**

Answer **all** questions. **(6×1=6)**

1. Define the purpose of language translators.
2. Mnemonic codes are used in _____ language.
3. What is meant by one nibble ?
4. Write an example for input devices.
5. Define operating system.
6. What are different types of CPU registers ?

PART – B
**(Short Essay)**

Answer **any 6** questions. **(6×2=12)**

7. Differentiate between a compiler and an interpreter.
8. Define computer network.
9. Differentiate between ROM, PROM and EPROM.
10. Write the command to implement the following in Linux to (a) copy a directory (b) to list files in the current directory.

P.T.O.

11. What are the three types file access permission in Linux ?
12. What is meant by digital divide ?
13. What are the categories of cybercrimes ?
14. What is cyber addiction ? List various types of cyber-addictions.

PART – C

**(Essay)**

Answer **any 4** questions. **(4×3=12)**

15. Explain various types of language translators.
16. Analyze the memory hierarchy in terms of speed, size and cost.
17. What are the basic different functions of an operating system ?
18. Discuss privacy issues in cyberspace.
19. What is the vi editor in Linux ? List the command used to manipulate a file in vi editor.
20. Discuss cyber laws.

PART – D

**(Long Essay)**

Answer **any 2** questions. **(2×5=10)**

21. Explain, in brief, the characteristics of a good programming language.
22. What are different types of operating system ? Explain them in detail.
23. With a neat diagram explain the organizations of a computer.
24. List the commands used in Linux for file handling. Explain each with example.

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**K21U 6751**

**Reg. No. : .....**

**Name : .....**

**I Semester B.C.A. Degree (C.B.C.S.S. – O.B.E. – Regular/Supplementary/ Improvement) Examination, November 2021**
**(2019 Admission Onwards)**
**GENERAL AWARENESS COURSE**
**1A11BCA : Informatics for Computer Applications**

Time : 3 Hours Max. Marks : 40

PART – A
**(Short Answer)**

Answer **all** questions. **(6×1=6)**

1. What is primary memory ?
2. What is programming language ?
3. What is ROM ?
4. Write two features of operating system.
5. What are the five components that make up an information system ?
6. What is the use of 'rm' command in Linux ?

PART – B
**(Short Essay)**

Answer **any 6** questions. **(6×2=12)**

7. What is cache memory ?
8. What are the advantages of cyber security ?
9. What is Hacking ?
10. What is Static RAM ?

**P.T.O.**

11. What are the differences between Interpreter and Assembler ?

12. Explain Impact printers.

13. Explain benefits of a network.

14. Explain vi editor.

## PART – C
## (Essay)

Answer **any 4** questions. **(4×3=12)**

15. Explain basic organization of computer.

16. Discuss the types of secondary storage devices and its characteristics.

17. What is Time sharing operating system ?

18. What do you mean by registers ?

19. Explain in detail on hard disk.

20. What are file system commands in Linux ?

## PART – D
## (Long Essay)

Answer **any 2** questions. **(2×5=10)**

21. Explain various input devices in detail.

22. Explain in detail about language translators.

23. What is the 'cp' command and what it does ?

24. What are guidelines that you should follow while using mobile phones ?

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K20U 3294

Reg. No. : .....

Name : .....

**I Semester B.C.A. Degree CBCSS (OBE) Reg./Sup./Imp. Examination, November 2020**
**(2019 Admn. Onwards)**
**GENERAL AWARENESS COURSE**
**1A11BCA : Informatics for Computer Applications**

Time : 3 Hours Max. Marks : 40

## PART – A
**(Short Answer)**

(Answer **all** questions. **Each** carry **1** mark.)

1. _____ is a software that translates a source program into object program.
2. What do you mean by length of a register ?
3. Define operating system.
4. What is the purpose of count p command in Linux ?
5. The x command is used with vi editor to _____
6. What are cookies ? **(6×1=6)**

## PART – B
**(Short Essay)**

(Answer **any six** questions. **Each** carry **2** marks.)

7. Assembly language programs are machine dependent. Justify.
8. What is a magnetic disk ?
9. What is seek time ?
10. What is plotter ? What are the two types of plotters ?

P.T.O.

11. What is NIC ?

12. What is Bash ?

13. Describe echo in Linux.

14. Name any two mobile data transfer technologies. **(6×2=12)**

## PART – C
## (Essay)

(Answer **any four** questions. **Each** carry **3** marks.)

15. What are the characteristics of a good programming language ?

16. Differentiate between primary and secondary memory.

17. Give a brief explanation on memory hierarchy.

18. Explain mv, cp and rm commands.

19. Explain the layered architecture of Linux in brief.

20. How does antivirus software work ? **(4×3=12)**

## PART – D
## (Long Essay)

(Answer **any two** questions. **Each** carry **5** marks.)

21. Explain the guidelines for proper usage of computers.

22. Explain the basic computer organization with a neat diagram.

23. What are the different types of OS ? Explain.

24. Write short notes on :
    a) Phishing
    b) Trojan Horses
    c) Cyber Addiction. **(2×5=10)**

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K19U 3294

Reg. No. : .....

Name : .....

**I Semester BCA Degree CBCSS(OBE) - Regular Examination, November - 2019**

**(2019 Admission)**

**General Awareness Course**

**1A11 BCA : INFORMATICS FOR COMPUTER APPLICATIONS**

Time : 3 Hours Max. Marks : 40

**PART - A** (Short Answer)

(Answer **all** questions. Each carry **1** mark) **(6×1=6)**

1. Hardware refers to .....
2. What is an assembler?
3. What are the two basic components of CPU?
4. What is a process?
5. The name "Linux" is derived from its inventor .....
6. Expand ISP

**PART - B** (Short Essay)

(Answer any **six** questions. Each carry **2** marks) **(6×2=12)**

7. What is input interface? How does it differs from an output interface?
8. What are the features of a compiler?
9. What is cache memory?
10. What is a computer network? How it is useful?
11. What is an output device. What are the different categories?
12. Write commands for the following
    a) Display current directory
    b) List all the files in your home directory
    c) Create a directory newdir in your home directory
    d) Remove the directory newdir
13. What is open source software?
14. What is RSI? What is the leading cause of RSI?

P.T.O.

## PART - C (Essay)

(Answer any **four** questions. Each carry **3** marks) **(4×3=12)**

15. Explain the functions of control unit in detail.
16. What is PROM? What are the different types of PROM?
17. Differentiate between a mechanical and an optical mouse.
18. Explain the use of man pages on Linux computer?
19. What are firewalls? How does it secure you in cyber world?
20. How can you prevent yourself from identity theft?

## PART- D (Long Essay)

(Answer any **two** questions. Each carry **5** marks) **(2×5=10)**

21. Give a detailed description on high level languages. Name any five high level languages
22. Write an essay on magnetic disks.
23. What are the important functions of operating system. Explain.
24. Write short notes on :
    a) Application Software
    b) Free software movement
    c) Cyber Crime

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