23142451

QP CODE: 23142451

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, OCTOBER 2023

Fifth Semester

CORE COURSE - CS5CRT14 - JAVA PROGRAMMING USING LINUX

Common to B.Sc Computer Applications Model III Triple Main, B.Sc Computer Science Model III, B.Sc Information Technology Model III & Bachelor of Computer Application

2017 Admission Onwards

4A0CCF37

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. Java is a paltform independent language. Justify your answer.
2. Define the meamning of token. List out different types of tokens used in Java.
3. Define classes and objects.
4. What are the significance of inheritance?
5. What are final variables?
6. What is Array?
7. What is the use of Packages in Java?
8. Define ComponentEvent Class.
9. Define JTextField.
10. Define a Layout Manager. List different Layout Managers.
11. Distinguish between init() and distroy() methods in applet.
12. Write a note on darawLine() method.

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Expalin primitive datatypes.
14. Explain the use of jump statements with examples.
15. How will you access class members using objects? Give example.
16. How will you implement hierarchical inheritance in Java?
17. What are different ways to create String Object?
18. Write a Java program to demonstrate thread priorities.
19. Explain Delegation Event model.
20. How parameters can be passed to applet using tags?
21. What are the steps to connect to the database in java?

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Illustrate the use of different operators in Java.
23. What is constructor overloading? Write a Java program to implement the constructor overloading mechanism.
24. Explain in detail about the excepion handling mechanism with approprite syntax & examples.
25. Explain jLabel and Jbutton with the help real world example.

(2×15=30)

23142447

QP CODE: 23142447

Reg No : .....

Name : .....

B.Sc DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, OCTOBER 2023

Fifth Semester

CORE COURSE - CS5CRT13 - IT AND ENVIRONMENT

Common to B.Sc Computer Science Model III, B.Sc Information Technology Model III & Bachelor of Computer Applications

2017 Admission Onwards

EC518C05

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What is the negation symbol in Google search?
2. Write the name of any two non-renewable resources.
3. Mention different LMS.
4. Define opportunities in IT development.
5. What is cyber attacks?
6. What is impact of technology on society?
7. How E-Waste is harmful to the eco-system?
8. Which all components of the environment gets affected by the improper disposal of E-Waste?
9. What is EPR?
10. What is justice in HR ?
11. Define ICCPR.
12. What is CEDAW?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Briefly explain the role of internet in education.
14. Discuss the role of biological sciences in environmental studies
15. What are the advantages of NICNET?
16. Explain Advantages of cyber law.
17. Explain how to preventing computer related muscle & joint injuries.
18. How E-Waste recycling can affect the development of informal sector of our country?
19. How E-Waste is disposed in informal sector?
20. Explain the rights againtst exploitation.
21. Explain science thechnology and HR.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain the impact of IT in E-learning.
23. Explain Free software movement.
24. Explain Green Computing.
25. Explain the role of UN Secretariat.

(2×15=30)

23128319

QP CODE: 23128319

Reg No : .....

Name : .....

UNDER GRADUATE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, OCTOBER 2023

Fifth Semester

(Offered by the Board of Studies in Computer Science)

OPEN COURSE - CS5OPT02 - COMPUTER FUNDAMENTALS, INTERNET AND MS OFFICE

2017 Admission Onwards

ED7FEE3B

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What is an analytical engine?
2. What is a microcomputer?
3. What is a LAN?
4. Distiguish between web server and web browser.
5. What is a URL?
6. State the significance of Electronic Mail.
7. What are the different ways to select a text in MS-Word 2013?
8. Where can we set the line spacing as double line spacing?
9. What is a workbook in Excel?
10. How can we sort values in columns and rows?
11. What is the use of slide master setting?
12. What is a presentation template?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Give the functional structure of computer and explain.

14. What are the basic functions of an operating system?

15. Explain about client server computing.

16. Compare Internet and Intranet.

17. How can we create multilevel indices in MS Word?

18. What is auto recalculation in Excel?

19. Explain the subtypes of Column chart.

20. Explain slide sorter option and slide master option.

21. Explain different types of charts in MS Power Point.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. (a) Compare the features of five generations of computers.(8 marks).
    (b) Provide an insight on the history of computers. (7 marks)

23. Explain why MS Word is a favourite word processing tool for users.

24. What are functions in Excel? Explain different types of Functions in excel.

25. Explain different steps to create an attractive presentation whose slide transition is on mouse click , but all the components in slides appears automatically?

(2×15=30)

23128175

QP CODE: 23128175

Reg No : .....

Name : .....

B.Sc / BCA DEGREE (CBCS) REGULAR / REAPPEARANCE EXAMINATIONS, OCTOBER 2023

Fifth Semester

CORE COURSE - CS5CRT12 - COMPUTER NETWORKS

Common for B.Sc Information Technology Model III & Bachelor of Computer Applications

2017 Admission Onwards

063141B4

Time: 3 Hours Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What do you mean by telecommunication?
2. Define the term about attenuation.
3. What is the purpose of spread spectrum?
4. What is the difference between single mode fiber and multi mode fiber?
5. Which are the different phases in virtual circuit network?
6. Show and explain how the hamming distance between the words 10000 and 11010 is calculated?
7. What do you mean by flow control?
8. Explain how the energy level in the channel can be used for collision detection by CSMA/CD?
9. What is a transparent bridge?
10. List the names of reserved addresses in IPv6.
11. What is MTU?
12. Define Generic domain.

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Explain the process of line coding in digital to digital conversion.
14. What do you mean by Digital to analog conversion?
15. What are the features of infrared waves?
16. Explain sender side and receiver side algorithm for stop and wait protocol.
17. What is hands off? Differentiate hard handoff and soft handoff.
18. List the classes in classful addressing and what are the purpose of each class?
19. What is UDP? Explain.
20. Explain the different type of request type in HTTP protocol
21. Explain the different section of Domain Name Space.

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain different types of addressee are used in TCP IP Protocol suite
23. Explain circuit switching in detail.
24. What do you mean by Bluetooth technology? Explain various bluetooth layers with a neat diagram.
25. Distinguish between open loop and closed loop congestion control techniques.

(2×15=30)