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19102712

Reg No : ....

Name : ....

BSc DEGREE (CBCS) EXAMINATION, OCTOBER 2019

Fifth Semester

Core Course - CS5CRT13 - IT AND ENVIRONMENT

B.Sc Computer Science Model III,B.Sc Information Technology Model III,Bachelor of Computer Application

2017 Admission Onwards

6BDBD3DC

Maximum Marks: 80   Time: 3 Hours

Part A

*Answer any **ten** questions.*

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

1.   What do you understand by the term Repository?

2.   What do understand by the term spider?

3.   Mention any two advantages of using Technology in Education.

4.   What is cyber threats?

5.   Give health issues for the usage of computer in hand & arm

6.   Give negative impact of technology

7.   What are the problems caused by E-Waste?

8.   How air is polluted through E-Waste?

9.   What is Green manufacturing?

10.   Define UDHR.

11.   Define UN system.

12.   What is the rights againtst exploitation ?

(10×2=20)

Part B

*Answer any **six** questions.*

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

13.   Briefly explain the scope of NPTEL in education

14.   What do you understand by the term non-renewable resources?

15.   Explain the features of NPTEL

Turn Over

16. Explain advantages of IT & society

17. Give a small description about cyber addiction

18. State some of the events were recycled E-Waste was used.

19. How E-Waste management awareness is enforced?

20. Explain 2nd & 3rd Generation of HR

21. Explain HR of women,children

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Explain different LMS with features.

23. Explain IT industry.

24. Explain the disposal techniques on E-waste.

25. Explain about CERD

(2×15=30)

Reg No   :   ....

Name   :   ....

BSc DEGREE (CBCS) EXAMINATION, OCTOBER 2019

Fifth Semester

Core Course - CS5CRT14 - JAVA PROGRAMMING USING LINUX

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

EFE0548B

Maximum Marks: 80   Time: 3 Hours

Part A

*Answer any **ten** questions.*

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

1. Write a short note on commmand line argument.

2. List out the different branching statements used in Java.

3. Define a class.

4. How will you access class members using objects?

5. What is the use of protected keyword in java?

6. What is Array?

7. Explain newborn state of a thread?

8. Why exception handling is done?

9. What are differences between Swing and AWT?

10. Diffrentiate between swing and Jpanel.

11. Discuss various sections of web page.

12. What is JDBC ResultSet?

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Explain the datatypes used in Java.

14. Write a Java program to print prime numbers between two limits.

15. How will you implement multilevel inheritance in Java?

16. Write a note on dynamic method dispatch.

17. Difference between String and StringBuffer?

18. Explain different types of built-in exceptions.

19. Define Swing and its architecture.

20. Write an applet that receives to integer values as input and display the sum

21. Describe various ways of drawing polygons.

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Differentiate between object oriented and procedure oriented programming. Expalin the OOP concepts.

23. What is constructor overloading? Write a Java program to implement the constructor overloading mechanism.

24. Define user defined packages. What are te steps involved in creating & using packages with example?

25. Discuss various Layout managers.

(2×15=30)

BSc/BCA DEGREE (CBCS) EXAMINATION, OCTOBER 2019

Fifth Semester

Core Course - CS5CRT12 - COMPUTER NETWORKS

(Common to B.Sc Information Technology Model III , Bachelor of Computer Application

2017 Admission Onwards)

77F49B37

Maximum Marks: 80   Time: 3 Hours

Part A

*Answer any **ten** questions.*

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

1. Write a note about bit length and bit rate

2. Define PCM

3. What is meant by interleaving in multiplexing?

4. Which are the principles used in spread spectrum?

5. Which are the different connectors used for twisted pair and coaxial cables?

6. Distinguish between forward error correction versus error correction by retransmission.

7. What is the difference in the format of unicast address,multicast address and broadcast address .

8. What is GSM?

9. Differentiate router and bridge.

10. Define TTL.

11. Briefly explain stream delivery serve in TCP.

12. Hierarchical name space in DNS

(10×2=20)

Part B

*Answer any **six** questions.*

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

13. Which are the data representation methods used in data communication?

14. What is the function of layered architecture?

15. Which are the different propagation modes in optical fiber?

16. Explain Stop and wait Automatic Repeat Request protocol in noisy channel.

17. Minimum frame size is important in CSMA/CD.Explain

18. Briefly describe the Hexadecimal colon notation of an IPv6 address.

19. Distinguish between window policy and acknowledgement policy

20. Explain the different section of Domain Name Space

21. Explain ASymmetric cryptography

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Which are the transmission modes used in computer network data Communications with example

23. Explain about packet switching.

24. Explain byte stuffing and bit stuffing with suitable example.

25. Explain classless addressing in IPv4. What are the advantages of classless addressing.

(2×15=30)

UNDERGRADUATE (CBCS) EXAMINATION, OCTOBER 2019

Fifth Semester

(Offered by the Board of Studies in Commerce)

Open Course - CO5OPT03 - FUNDAMENTALS OF ACCOUNTING

2017 Admission Onwards

61F6E5AF

Maximum Marks: 80   Time: 3 Hours

Part A

*Answer any **ten** questions.*

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

1.   Who is a Debtor?

2.   What is journalising?

3.   Narrate the rules of debit and credit as per Modern Approach?

4.   What are representative personal Accounts? Give Example.

5.   What is Trade Discount?

6.   Define Ledger.

7.   Explain Debit Note and Credit Note.

8.   Why a Trial Balance is prepared?

9.   Ascertain the Net Profit from the following particulars:
     Gross profit Rs. 41000
     Salaries Rs. 9000
     Rent, rates and taxes Rs. 2500
     Depreciation on Machinery Rs. 4000
     Printing and stationery Rs. 1000
     Commission received Rs. 750
     Furniture and Fixtures Rs. 7500

10. What is a closing entry? Give two examples.

11. Prepare Trading Account from the following items:
     Purchases Rs. 41000
     Opening stock Rs. 9000
     Sales Rs. 75000

Carriage inwards Rs. 1500

Wages Rs. 2000

Closing stock Rs. 12000

12. What do you mean by grouping and marshalling of assets and liabilities?

<div align="right">(10×2=20)</div>

Part B

*Answer any **six** questions.*

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

13. What are the main features of Accounting?

14. Distinguish between Book Keeping and Accounting.

15. What are the advantages of Double Entry System of Accounting?

16. Show the opening entry from the following particulars

	Rs.
Cash in hand	5000
Cash at Bank	10000
Machinery	6000
Stock	7000
Sundry Debtors	10000
Sundry Creditors	5000
Bills Receivable	3000
Bills Payable	1000
Loan (Cr)	2000

17. Pass journal entries in respect of the following transactions

Date	Transactions	Amount (Rs.)
2019		
March 1	Rama Commenced business with	100000
2	Paid into bank	80000
3	Purchased goods for cash	5000
4	Bought Furniture	4000
10	Drew from bank for office	10000
13	Sold Goods to Gopu	6000
15	Bought goods from Sunil	4100
19	Received cash from Gopu	5900
	Allowed him discount	100
25	Paid wages	5000
28	Paid to Sunil in Full Settlement	4000
30	Paid Rent	1000

18. State the disadvantages of Journal?

19. Give ledger accounts of Mr.Raj in respect of the transactions given below:

2019

March 1	Started business with Rs.50,000
3	Purchased goods for Rs.12,000
4	Purchased goods on credit from Gomas Rs.8,000
8	Sold goods to Arun Rs.6,000
12	Paid to Gomas Rs.5,000
15	Received from Arun Rs.4,000
18	Sold goods for Rs.9,000

20. Prepare a Trial Balance from the Following

Particulars	Amount (Rs)
Cash	38750
Capital	50000
Purchases	4500
Creditors	2000
Furniture	8000
Debtors	1000
Sales	3000
Commission	750
Rent	3500

21. What are the differnces between Profit and Loss Account and Balance Sheet?

(6×5=30)

Part C

*Answer any **two** questions.*

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

22. Explain in detail the various Accounting Concepts and Conventions

23. Explain the various subsidiary books maintained by a firm. Also Explain the advantages of Subdivion of journal.

24. Record the following transactions in a Three Column Cash book

2019

May

1 Opening Balance –Cash Rs.3500 and Bank (Cr.) Rs.2000

4 Sold goods for cash Rs.5000

7 Paid to bank Rs.3500

10 Received from Roy Rs.8900 and allowed him discount Rs.100

12 Cash purchases Rs.4000

17 Paid cash to Joy Rs.2750 and discount received Rs.50

20 Purchased furniture for cash Rs.3000

22 Withdrew from bank for personal use Rs.1500

26 Paid cash to Krishnan Rs.2975 and discount allowed by him Rs.25

29 Paid Rent Rs.3000

30 Withdrew from bank for office use Rs.1500

25. Following balances are extracted from the books of Kautilya & Co. on 31st March 2019. You are required to make final accounts as on that date.

Opening stock Rs. 500

Bills reveivable Rs. 2250

Purchases Rs. 19500

Wages Rs. 1400

Insurance Rs. 550

Sundry debtors Rs. 15000

Carriage inward Rs. 400

Commission (Dr.) Rs. 400

Interest on capital Rs. 350

Stationery Rs. 225

Returns inward Rs. 650

Commission (Cr.) Rs. 200

Returns outward Rs. 250

Trade expenses Rs. 100

Office fixtures Rs. 500

Cash in hand Rs. 250

Cash at bank Rs. 2375

Rent & taxes Rs. 550

Carriage outward Rs. 725

Sales Rs. 25000

Bills payable Rs. 1500

Creditors Rs. 9825

Capital Rs. 8950

The closing stock was valued at Rs. 12500

(2×15=30)