



K19U 2100

Reg. No. :

Name :

V Semester B.A./B.Sc./B.Com./ B.B.A./ B.B.A.T.T.M./ B.B.A.R.T.M./
B.B.M./B.T.T.M./B.C.A./B.B.A. (AH) B.S.W./B.A.Afsal UI Ulama Degree
(CBCSS-Reg./Sup./Imp.) Examination, November- 2019
(2014 Admn. Onwards)

OPEN COURSE

5D01 BBA/ BBA (TTM)/ BBA (RTM) (3) : DISASTER MANAGEMENT

Time : 2 Hours

Max. Marks : 40

PART - A

I. Answer any **six** questions, Each question carries **one** mark.

(6×1=6)

1. Write a note on cold waves?
2. What do you meant by emergency in disaster management?
3. What are steps taken to mitigate the effect of earthquake?
4. What do you understand by pre disaster stage?
5. What do mean by environmental disaster? ✓
6. Write a note on volcanic eruption?
7. What is contingency management? ✓
8. State any disaster mitigation agency and its functions.
9. What do you mean by disaster management? ✓

P.T.O.

**PART - B**

- II. Answer any **Four** questions. Each question carries **6** marks. (4×6=24)
10. Prediction and warning techniques used in disaster management. Explain.
 11. What are the approaches adopted in environment disaster?
 12. Explain about man induced hazards and disaster.
 13. Explain preparedness in disaster management.
 14. What are the types of the environmental hazards?
 15. Explain CBDM.

PART - C

- III. Answer any **one** question. Each question carries **10** marks. (1×10=10)
16. What are the approaches in disaster management? Explain
 17. Explain the role of disaster management in mitigating the effects of disaster.

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K19U 2103



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OPEN COURSE

5D01 COM (2) : FINANCIAL SERVICES

Time : 2 Hours

Max. Marks : 40

PART - A

- I. Answer any **six** questions, Each question carries **one** mark. **(6×1=6)**
1. What do you mean by non-banking institutions?
 2. What do you mean by financial engineering?
 3. What is leasing?
 4. What is derivatives?
 5. What is credit rating?
 6. What do you mean by mutual funds?
 7. What is factoring?
 8. What is sweat equity shares?
 9. What do you mean by commercial papers?

P.T.O.

**PART - B**

II. Answer any **Four** questions. Each question carries **6** marks. (4×6=24)

10. What are the various credit rating agencies in India?
11. Discuss (a) Operating lease (b) Financial lease
12. Discuss the functions of merchant banking.
13. Discuss about credit rating agencies
14. What is venture capital financing? Discuss its features.
15. What do you mean by portfolio management?
16. State the difference between money market and capital market.

PART - C

III. Answer any **one** question. The question carries **10** marks. (1×10=10)

17. Explain the process of credit rating in India.
 18. What are financial instruments? Discuss.
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K19U 2108

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B.T.T.M/B.C.A./B.B.A.(AH) B.S.W/B.A.AFSAL UI Ulama Degree
(CBCSS-Reg./Sup./Imp.)

Examination, November- 2019

(2014 Admn. Onwards)

OPEN COURSE

5D 03 BCA - DATABASE MANAGEMENT SYSTEM

Time : 2 Hours

Max. Marks : 20

SECTION - AAnswer in **One** word.

(8×0.5=4)

1. In an ER diagram double rectangle represents_____.
2. The attributes that can be divided into other attribute is called_____.
3. Minimal set of super key is called_____.
4. _____deals with join dependency.
5. To delete a particular column the command used is _____.
6. A DML command that combines records of one or more table is_____.
7. DCL stands for_____.
8. In relational model degree is termed as_____.

SECTION - BWrite short note on any **Three** of the following questions.

(3×2=6)

9. Write short note on ER model.
10. Distinguish between primary key and foreign key.
11. What is a trigger?
12. Explain the concept of partial dependency.
13. Explain ALTER command.

P.T.O.

**SECTION - C**

Answer any **Two** of the following questions.

(2×3=6)

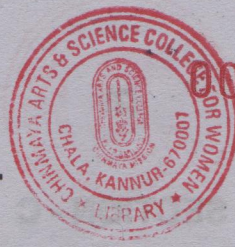
14. What is a View? Explain with example.
15. What are the different data types used in SQL?
16. What is DBA? Mention the functionalities of DBA?
17. Explain 3NF with example.

SECTION - D

Write an essay on any **One** of the following questions.

(1×4=4)

18. State 1NF, 2NF, 3NF with proper examples.
19. Explain the following with example.
 - a) Having clause
 - b) Group By clause
 - c) Sub Queries



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K19U 2045

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B.T.T.M./B.C.A./BBA (AH)/B.S.W./B.A.Afsal UI Ulama

Degree (CBCSS- Reg./Sup./Imp.) Examination, November-2019

(2014 Admn. Onwards)

OPEN COURSE

5D01 BTC: ENVIRONMENTAL SCIENCE

Time : 2 hrs

Max. Marks : 20

SECTION - A

Write about each of the following in 2 or 3 sentences. Each question carries
1 mark. (4×1=4)

1. C F C
2. Air pollution
3. Hydrogen fuel
4. B O D

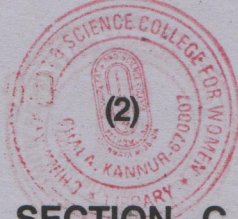
SECTION - B

Write short notes on any **Two** of the following. Each question carries **2** marks.
(2×2=4)

5. Causes of biomagnification
6. Green house effect
7. Types of soil pollutants
8. Advantages of Biodiesel.

P.T.O.

K19U 2045



SECTION - C

Write a paragraph on any **Two** of the following. Each question carries **3** marks. **(2×3=6)**

9. Incineration
10. Bioethanol
11. Ecological consequences of Acid rain.
12. Vermicompost

SECTION - D

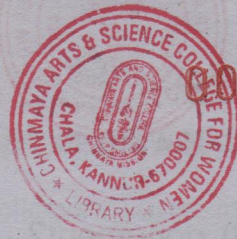
Write short essay on any **One** of the following. Each question carries **6** marks. **(1×6=6)**

13. Explain water pollution and associated health problems.
 14. Write down the advantages and disadvantages of biofuel.
 15. Give a detailed account on impact of electronic waste on our environment.
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K19U 2196

**V Semester B.C.A Degree (CBCSS-Reg./Sup./Imp.)
Examination, November- 2019
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CORE COURSE

5B13BCA - SOFTWARE ENGINEERING

Time : 3 Hours

Max. Marks : 40

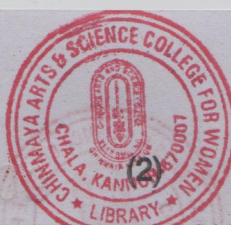
SECTION-A

1. One Word Answer. (8x0.5=4)

- a) Which step of SDLC performs cost benefit Analysis?
- i) Feasibility study
 - ii) Analysis
 - iii) Design
 - iv) None of these
- b) Which is not a software life cycle model?
- i) Spiral Model
 - ii) Waterfall Model
 - iii) Prototyping Model
 - iv) Capability maturity Model
- c) SDLC stands for_____.
- d) The main purpose of integration testing is to find design errors. **(True/False).**

P.T.O.

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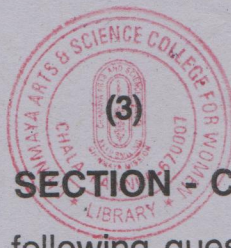


- e) Which one of the following is NOT desired in a good Software Requirement Specifications (SRS) document?
- i) Functional Requirements
 - ii) Non-Functional Requirements
 - iii) Goals of Implementation
 - iv) Algorithms for Software Implementation
- f) In the context of modular software design, which one of the following combinations is desirable?
- i) High cohesion and high coupling
 - ii) High cohesion and low coupling
 - iii) Low cohesion and high coupling
 - iv) Low cohesion and low coupling
- g) _____ is the manner and degree of interdependence between software modules.
- h) _____ refers to the degree to which the elements of a module belong together.

SECTION - B

Write short note on any **SEVEN** of the following questions. (7x2=14)

2. Differentiate verification and validation
3. What is unit testing?
4. Briefly explain Software Requirement Specification.
5. Differentiate between conceptual and technical design.
6. What is the difference between alpha testing and beta testing?
7. What are the advantages of waterfall model?
8. What are the different types of requirements?
9. What is Abstraction?
10. What do you mean by requirement validation?
11. What do you mean by Bottom Up strategy of Design?



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Answer any **FOUR** of the following questions.

(4x3=12)

12. What are the various levels of system testing?
13. What are DFDs? Explain the various symbol used in DFD_s.
14. Explain the different types of coupling.
15. Write short notes on evolutionary process model.
16. Write a note on types of Design.
17. Explain the different steps in feasibility study.

SECTION-D

Write an essay on any **TWO** of the following questions.

(2x5=10)

18. Discuss about Waterfall Model in detail?
 19. Write short notes on
 - a) Boundary value analysis
 - b) Equivalence class testing
 20. Explain various steps of requirement analysis.
 21. What are the basic concepts of object oriented Design?
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V Semester B.C.A. Degree (CBCSS-Reg./Sup./Imp.)
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CORE COURSE

5B14 BCA - DATA COMMUNICATION AND NETWORKS

Time : 3 Hours

Max. Marks : 40

SECTION - A

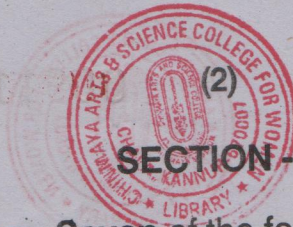
1. One Word Answer

(8×0.5=4)

- a) Communication between a computer and a keyboard involves _____ transmission.
- b) _____ data are continuous and take continuous values.
- c) The _____ layer adds a header to the packet coming from the upper layer that includes the logical address of the sender and receiver.
- d) The _____ address uniquely defines a host on the internet.
- e) Routing between autonomous systems is referred to as _____ routing
- f) _____ protocol has flow control, but no error control.
- g) UDP is an acronym for _____
- h) _____ cipher can be categorized as monoalphabetic and polyalphabetic.

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SECTION - B

Write short note on any **Seven** of the following questions.

(7×2=14)

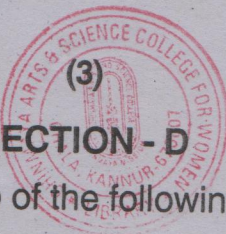
2. Differentiate analog and digital data.
3. Explain asynchronous data transmission.
4. Explain simplex stop and wait protocol.
5. Explain token bucket algorithm.
6. What is meant by character stuffing?
7. Define non adaptive algorithms.
8. Define DNS.
9. Explain the design issues of DLL.
10. Explain DES chaining.
11. Define transposition cipher.

SECTION - C

Write short notes on any **Four** of the following questions

(4×3=12)

12. Explain congestion control algorithm.
13. Explain how connections are established in transport layer.
14. Explain UDP header with diagram.
15. Explain TCP sliding Window.
16. Give a brief note on shortest path algorithm.
17. Explain fundamental principles of cryptography.



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SECTION - D

Write short notes on any **Two** of the following questions

(2×5=10)

18. Explain the ISO-OSI reference model.
 19. Explain different routing algorithms.
 20. Briefly discuss about various design issues in transport layer.
 21. Explain public key algorithms.
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K19U 2198

**V Semester B.C.A. Degree (CBCSS-Reg./Sup./Imp.)
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CORE COURSE

5B15BCA : ENTERPRISE JAVA PROGRAMMING

Time : 3 Hours

Max. Marks : 40

SECTION - A

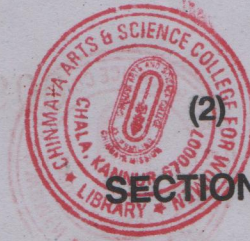
1. One Word Answer

(8x0.5=4)

- a) _____ in session tracking is used in a bit of information that is sent by a web server to a browser and which can later be read back from that browser.
- b) _____ method is used to establish the connection with the specified url in a Driver Manager class.
- c) _____ interfaces provide methods for batch processing in JDBC.
- d) _____ is used to call the stored procedures and functions?
- e) An RMI Server is responsible for _____
- f) Abbreviate the term DGC?
- g) CLOB means _____
- h) RMI stands for _____

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SECTION - B

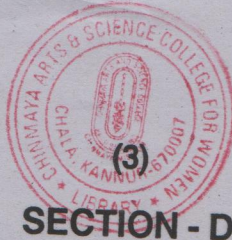
Write short note on any **Seven** of the following questions. **(7×2=14)**

2. What is servlet chaining?
3. Differentiate stubs and skeletons in RMI.
4. Describe EJB.
5. What is distributed garbage collection?
6. What are Cookies?
7. Differentiate IDL stub and IDL skeleton?
8. What is Thread safety?
9. Write note on Object Request Broker.
10. Write short note on Inter ORB communication.
11. What are the packages used in servlet API?

SECTION - C

Answer any **Four** of the following questions. **(4×3=12)**

12. Briefly discuss about SQL warning.
13. Explain different key RMI classes for remote object implementations.
14. Explain servlet request and servlet response?
15. Differentiate between CORBA and Java RMI.
16. Write short note on IDL Skelton interface.
17. Briefly Explain the process of adding objects to a naming context.



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SECTION - D

Write an essay on any **Two** of the following questions.

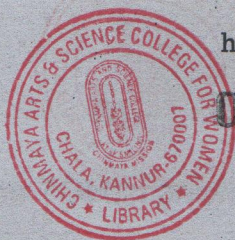
(2×5=10)

18. Briefly discuss about the following:
 - a) Net protocol all Java driver
 - b) Native protocol all Java driver
 19. Write short note on:
 - a) RMI architecture
 - b) RMI object services
 20. With suitable example, Explain Servlet chaining and custom servlet initialization.
 21. Explain
 - a) CORBA architecture
 - b) Vertical and horizontal CORBA facilities
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K19U 2199

V Semester B.C.A Degree (CBCSS-Reg./Sup./Imp.)
Examination, November- 2019
(2014 Admn. Onwards)

CORE COURSE

5B16 BCA : C# AND .NET PROGRAMMING

Time : 3 Hours

Max. Marks : 40

SECTION - A

1. One Word Answer (8×0.5=4)

a) _____ is a name which can be used to identify a class, variable, function etc.

i) Keyword

ii) Reference

iii) Identifier

iv) Object

b) _____ access specifier allows a class to expose it's member variables and member functions to other functions and objects in the current application.

i) Internal

ii) Protected

iii) Private

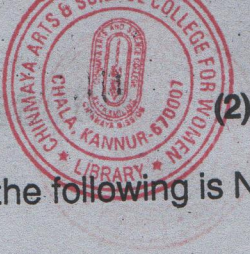
iv) Public

c) _____ is the process of converting a value type data type to the object

d) Write the full form for .Net

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- e) Which among the following is NOT an exception?
- i) Stack Overflow
 - ii) Arithmetic Overflow or underflow
 - iii) Incorrect Arithmetic Expression
 - iv) All of the mentioned
- f) Which of the following keyword is used to change data and behavior of a base class by replacing a member of the base class with a new derived member?
- i) Overloads
 - ii) Overrides
 - iii) New
 - iv) base
- g) _____ is a part of ADO.NET data provider which acts as a communicator between Dataset and the Data source.
- h) For is _____ control loop

SECTION - B

Write short note on any **Seven** of the following questions.

(7x2=14)

2. Explain the origin of .net technology.
3. What are benefits of C#?
4. Define an enumerated data type
5. What are event routines?
6. What is containment inheritance?
7. Name different web services
8. What is reflection?

14-10-11



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9. What is the purpose of data reader?
10. Name any five components of C# IDE
11. Describe metadata.

SECTION - C

Write any **Four** of the following questions.

(4×3=12)

12. Write the steps to create a window form application.
13. Explain a method in C#
14. What is meant by multithreading?
15. Distinguish between runtime and compile time polymorphism.
16. Draw Web form lifecycle.
17. Draw the architecture of .net

SECTION - D

Write any **Two** of the following questions.

(2×5=10)

18. Explain the function of CLR.
 19. Discuss the branching and looping statements with syntax and example.
 20. Explain object oriented properties of C#
 21. What is a connection string? Explain the procedure for SQL data connectivity?
-