

Course Code: BCA

Course Title: RDBMS with Oracle

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Note:-attempt all questions.

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1) What do you mean by RDBMS? Explain components of RDBMS.

RDBMS क्या है ? RDBMS के अवयवों को समझाइए ।

2) What is SQL\*Plus? Write the five command of SQL.

SQL\* Plus क्या है ? SQL के पाँच कमांड लिखिए ।

3) Explain following :-

(1) Constraint.

(2) Join.

4) What do you mean by PL/SQL? Write a program to print 1 to 10.

PL/SQL से आप क्या समझते हैं ? 1 से 10 प्रिंट करने के लिए Program लिखिए ।

5) What do you mean by concurrency control?

Concurrency control से आप क्या समझते हैं ?

6) What is procedure and function? Explain with example.

प्रोसीजर व फंक्शन क्या है ? उदाहरण सहित समझाइए ।

7) Explain the concept of trigger in oracle.

ओरेकल में ट्रिगर के concept को समझाइए ।

8) Explain Exception handling in PL/SQL.

PL/SQL e Exception handling

को समझाइए ।

9) Demonstrate the cursor with example.

कर्सर को उदाहरण सहित विस्तारित कीजिए ।

10) Explain following :-

निम्न को समझाइए :-

(a) Operator.

(b) Select Statement.

(c) Join.

Course Code: BCA

Course Title: Programming with Visual Basic .NET

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Note:-attempt all questions.

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- 1) Draw architecture of .Net frame work and Explain in detail.  
.Net Framework की आधारभूत संरचना को चित्रित कीजिए, तथा समझाइए ।
- 2) What do you mean by JIT compiler? Explain DLL Hell problem.  
JIT से आप क्या समझते हैं ? DLL Hell problem को समझाइए ।
- 3) Explain the following through program :-
  - (i) Picture box
  - (ii) Front dialog
  - (iii) msg box () & input box ()
- 4) Explain concept of oops. Write the difference between class & object?  
Oops की अवधारणा को समझाइए । तथा Class और object में अंतर स्पष्ट कीजिए ।
- 5) What is menu? Write a program to print the reverse of any given number.  
Menu क्या है ? कोई भी संख्या को Reverse करने का प्रोग्राम लिखिए ?
- 6) What do you mean by namespace? Explain any two namespaces  
Namespace से आप क्या समझते हो : कोई दो उदाहरण देकर समझाइए ?
- 7) What do you mean by ADO. Net? Write the difference between vb.net & java.  
ADO. Net से आप क्या समझते हैं ? vb.net और java के बीच अंतर लिखिए ।
- 8) Write short notes on the following : (any three)
  - (i) Array.
  - (ii) Accept change.
  - (iii) CLR.
  - (iv) Button.

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Note:-attempt all questions.

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Qu1. What is OOP ? Write the feature of Java.

OOP's क्या है ? Java की विशेषताओं को बताइए।

Qu2. Write a program to calculate simple Interest.

Simple Interest के program लिए लिखें

Qu3. What is Array? Explain One Dimensional Array with example.

Array क्या है? One Dimensional Array को उदाहरण सहित समझाइए।

Qu4. What is constructor? Explain with example.

Constructor क्या है उदाहरण सहित समझाइए।

Qu5. Write a programme for factorial number.

Factorial number के लिए programme लिखें।

Qu6. What is Inheritance? Explain with example.

Inheritance क्या है? उदाहरण सहित समझाइए ?

Qu7. Write program for following:-

(i) x	(ii) A
xx	AB
xxx	ABC
xxxx	ABCD

Qu8. Describe the graphic class and its modules.

Graphic class और उसके Modules को वर्णित करें ?

Qu9. What is applet? Explain with example.

Applet क्या है? उदाहरण सहित समझाइए।

Qu10. Explain following:-

(i) Strings                      (ii) JVM                      (iii) String buffer.

Course-BCA

Subject title-Network and Web Security

- Q1. Explain different principles of security?
- Q2. what is cyber attack. explain all types of it.
- Q3. what is intrusion ? explain its tools.
- Q4. what do you mean by privacy and security.
- Q5. what is cryptography? explain all types with example.
- Q6. what is hacking? explain about computer forensics.
- Q7. what is wireless security? explain spam filtering.
- Q8. what is online social network? explain with example.
- Q9. what is ip security and firewalls?
- Q10. how can be track cyber criminals.

Course Code: BCA

Course Title: Linux Operating System- Operation and Management

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Note:-attempt all questions.

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- 1) What do you mean by Linux operating System? Explain Architecture of Linux with diagram.

Linux आपरेटिंग सिस्टम से आप क्या समझते हैं ? Linux का Architecture छायाचित्र की मदद से समझाइए!

- 2) Describe Linux file system and the layout of file system in Linux? Describes standard system directories in Linux system.

Linux फाइल सिस्टम और उसके Layout को समझाइए । Linux system में Standard directories को समझाइए ।

- 3) Example the term kernel and shell with basic diagram? Write about different types of the shell.

Kernel और shell को kernel Diagram की मदद से समझाइए ? विभिन्न प्रकार के Shell का वर्णन कीजिए ।

- 4) Describe commands for file and directory system with example.

Linux में फाइल एवं directory system की कमान्ड्स को उदाहरण सहित समझाइए ।

- 5) Describe VI editor and different modes of VI editor?

VI editor और उसके विभिन्न modes को समझाइए ?

- 6) Explain the commands of managing the user and group accounts.

Linux में Users Groups को मैनेज करने की commands को समझाइए ।

- 7) What are the file security and permission in Linux?

Linux में फाइल security एवं permissions क्या होती हैं?

- 8) Explain Network file system (NFS) in brief also write about advantages of NFS.

Network file system (NFS) को समझाइए एवं इसके advantages के बारे में बताइए ।

- 9) Describe the overview of installation and administration of FTP serves.

FTP serves के installation और administration को समझाइए ?

- 10) What are the various network configuration tools and its uses? What is LAN and Ethernet?

विभिन्न Network configuration tools एवं इसके उपयोग बताइए ? LAN एवं Ethernet क्या होता है?

**COURSE:BCA**

**Semester -IV**

**COURSE TITLE:Introduction to Soft Skill & Team Building**

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**Note: -Attempt All Questions**

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1. Define Communication and describe its scope.
2. Explain the factors of effective written communication.
3. Define Interview. Explain the various interview technique.
4. Sound of smile is louder than voice of lips.” Explain it with reference to the body language communication.
5. What is Art of Listening? Explain principles of Good Listening.
6. What do you mean by Feedback ? Explain its process and importance.
7. What do you mean by Group Decision-making? Explain Conflict and Negotiations of Group Decision-making
8. What is resume? What information is included in resume?
9. Write short notes:( a) Mock Interview (b) Public Relations
10. What are the five basic of business etiquette?

Course Code:- BCA

Course: Title: English Language and Scientific Temper

Note:-attempt all questions.

Que.1 From the story what is science? What do you understand?

Que.2 What is the moral of the story “Three Questions”?

Que.3 Read the following passage and answer the question given:-

The vedic literature of India has sometime been claimed to be the most ancient literature in the world. This claim is not tenasic, for Mesopotamian and Egyption literatures which are definitely prior to the Vedas. But the Vedas still remail the oldest literature of all the Indo-European races takes together. Etymologically, the word veda means knowledge and in latertimes come to mean more specifically, scored knowledge. The basic texts are the four somhitas, compilation of material hymnals or Montra means that which is thought out by the mind and the sage or more is the person who is capable of that deep abborption of the mind which leads to the

Question:-

- (i) Give a suitable title of the above passage.
- (ii) Which is claimed to be the most ancient literature in the world?
- (iii) What do you mean by the word ‘veda’?
- (iv) What is the ‘Mantra’?
- (v) Who is a ‘Munc’?

Que.4 (A) Write a letter to you principal for issuing transfer certificate to that you can take admission.

OR

(B) Write an invitation for Birthday Party to your friends.

Que.5 Write a paragraph in about 100 words on any one of the following topics:-

- (a) Today’s leader
- (b) Women’s Reservation
- (c) Right to Vote.

Que.6 Write Essay on Women Empowerment (Minimum 300 Words).

Que.7 Do as directed:-

(a) Give synonyms of the following words:- (any two)

- |                 |              |
|-----------------|--------------|
| (i) Traditional | (ii) Enemy   |
| (iii) Happy     | (iv) Courage |

(b) Give antonyms of the following words:- (any two)

- |             |           |
|-------------|-----------|
| (i) Rich    | (ii) Ugly |
| (iii) Small | (iv) Soft |

(c) Insert preposition in the following blanks:-

- (i) The books are ..... my school bag.

(d) Make adjectives of the following:- (any two)

- |             |           |
|-------------|-----------|
| (i) Good    | (ii) Long |
| (iii) Quick | (iv) Slow |



Note:-attempt all questions.

- 1) What is information? Write difference between primitive and non-primitive data structure.

सूचना क्या होती है? प्रिमीटिव तथा नान-प्रिमिटिव डाटा स्ट्रक्चर के मध्य अंतर लिखिए।

- 2) Define algorithm? Explain time complicity with example.

एल्गोरिथम को बताइए ? टाइम कम्प्लेसिटी को उदाहरण सहित समझाइए ।

- 3) Define Two Dimension array with help of example.

टू डाइमेंशन ऐरे को उदाहरण की सहायता से बताइए ।

- 4) What do you mean by linked list? Explain types of linked list.

लिंकड लिस्ट से आप क्या समझते हैं ? इसके सभी प्रकारों को व्याख्या कीजिए ।

- 5) Define push and pop operation with the help of example.

उचित उदाहरण के द्वारा Push तथा Pop operation को बताइए ।

- 6) Write recursion algorithm to find out the factorial of any number.

किसी संख्या का Factorial निकालने के लिए रिकर्सन एल्गोरिथम लिखिए ?

- 7) define following:-

निम्नलिखित की व्याख्या कीजिए :-

- (a) Circular Queue.                      (b) Priority Queue.                      (c) D-Queue.

- 8) Explain Tree and Binary Tree with the help example.

ट्री तथा बाइनरी ट्री को उचित उदाहरण द्वारा समझाइए ।

- 9) Write difference between directed and Undirected Graph.

डायरेक्टेड तथा अनडायरेक्टेड ग्राफ में अन्तर लिखिए ।

- 10) Write the Short Notes on :-

संक्षिप्त टिप्पणी लिखिए :- (कोई तीन)

- (a) Hash function. (b) Stack.  
(c) B-Tree. (d) Operation of data structure.

Course Code: BCA

Course Title: Data Base Management System

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Note:-attempt all questions.

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1) Explain Data base management system? Explain the component of data base.

Data base management को समझाइए ? Data base के अवयव को समझाइए ।

2) Explain data model of DBMS.

DBMS का data model समझाइए ।

3) What do you mean by type calculate system?

Type Calculate System से आप क्या समझते हैं ?

4) Explain concept of normalization in DBMS.

DBMS में normalization के concept को समझाइए ।

5) Explain logical and physical dependency in DBMS.

DBMS में logical तथा physical dependency को समझाइए ।

6) Explain concurrency control in DBMS.

DBMS में Concurrency control को समझाइए ।

7) What do you mean by locking? Explain serializability.

Locking से आप क्या समझते हैं? Serializability को समझाइए ।

8) Explain query processing and optimization.

Query Processing तथा Optimization को समझाइ ।

9) What is SQL? Explain data types of SQL.

SQL क्या है ? SQL के data type को समझाइए ।

10) Explain following :-

निम्न को समझाइए :-

(a) Multi value dependency.

(b) Dynamic Hassling.

(c) BCNF.

Course Code :BCA

Course: Title: Communication Skills & Personality Development

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Note: Attempt All Questions.

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- (1) What are The Types of Speech in English Language?
- (2) Give 5 Examples of Countable and Uncountable Roans ?
- (3) Fill The blanks With Correct or title :-
  1. Chain Printer Has a Steel Bond
  2. Popular Printer is Called a “ Dot Matrix “ Printer .
  3. Drom can Mutate in only Direction
  4. Cables are Meant for one Way Down Loading of Programs
- (4) What is Meant by Body Language ?
- (5) What are The Basic Rules For Writing a Covering Letter ?
- (6) Define Motivation ?
- (7) What Do You Mean by Inter Personal Communication ?
- (8) Why is Time Management Needed You Successful Life ?
- (9) What is Meant by Stress Management ?
- (10) Define :-
  - a. Meditation
  - b. Say hypnotism .