

FACULTY OF SCIENCE
B.Sc.(I-Year) Backlog Examinations, March-2020
Computer Science
Paper-I
(P.C. Software and 'C' Programming)

Time: 3 Hours

Max Marks: 100

PART-A

(10X2=20 Marks)

Write short answers to all the questions.

1. (a) My Computer?
(b) RECYCLE BIN?
(c) CLIP ART GALLERY?
(d) MACRO?
(e) Pointers?
(f) WIZARD?
(g) SQL?
(h) Header file?
(i) Input / Output functions ?
(j) MAIN () ?

PART -B

(5x16=80 Marks)

Answer all questions

2. (a) Explain about Input /Output Devices.
(b) Explain about Different Types of Memories.
(Or)
(c) Explain about Internal and External DOS Commands.
(d) Explain about Various components of windows-operating system.
3. (a) Explain about different parts of MS-word?
(b) Explain how to create Tables in MS-word.
(Or)
(c) Explain about Transition and build effects in power point.
(d) Explain about Mail-Merge in MS-word.
4. (a) Explain about Various components of MS-access.
(b) Explain about Data Types in MS-Access.
(Or)
(c) Explain about features & applications of MS-EXCEL.
(d) Explain about Various charts & graphs in MS-Excell.
5. (a) Explain about data types in C-Language.
(b) Explain about different types of operators in C.
(Or)
(c) Explain About control statements in C.
(d) Write a C-program to generate Fibbonocci number series 0,1,1,2,3,5,8.....
6. (a) Explain about functions with syntax and Examples.
(b) Write are Arrays. Explain with syntax and example.
(Or)
(c) Write a C- program to find sum and average of an Array
(d) Write a C-Programme to find out maximum and minimum of an Array.

FACULTY OF SCIENCE
B.Sc. I-Year, I-Sem (CBCS) Backlog Examinations, May/June-2019
Computer Science-I
(Programming in C)

Time: 3 Hours

Max Marks: 80

PART-A

(Short Answer Type)
Answer any FOUR questions

(4X5=20 Marks)

1. Explain about Memory Hierarchy.
2. Discuss about go to and break with an example to each.
3. Differentiate between call-by-value and call-by-Reference.
4. Write about file management functions?
5. Write about type conversion in C ?
6. Explain about Recursion with an example program?

PART-B

(Essay Answer Type)
Answer all the questions

(4X15=60 Marks)

7. (a) i) Explain about data types?
ii) Write about C Tokens.
(OR)
(b) i) Discuss the generation and classification of programming languages.
ii) Explain different ways of stating algorithms.
8. (a) Explain about control statements with syntax and examples.
(OR)
(b) Explain about string manipulation function.
9. (a) Discuss about storage classes and passing arrays to functions.
(OR)
(b) With an example, explain pointers concept.
10. (a) Describe structures versus Unions.
(OR)
(b) Write the following
 - i) Files.
 - ii) Write a program to copy from one file to another file.

CODE:

FACULTY OF SCIENCE
B.Sc. 1-Year, 1-Sem (CBCS) Backlog Examinations, May/June-2019
Computer Science-I
(Programming in C)

Max Marks: 80

Time: 3 Hours

(4X5=20 Marks)

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(Short Answer Type)
Answer any FOUR questions

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PART-B
(Essay Answer Type)
Answer all the questions

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i) Files.
ii) Write a program to copy from one file to another file.

FACULTY OF SCIENCE
B.Sc. (II-Year) Backlog Examinations, March-2020
Computer Science
Paper-II

(Object Oriented Programming with Java and Data Structure)

Time: 3 Hours

Max Marks: 100

PART-A

(10X2=20 Marks)

Write short answers to all the questions.

1. (a) Define "object" in Java.
(b) What is a 'variable'?
(c) What are increment and decrement operators?
(d) Define switch statement in Java
(e) Write a note on Enumerated types.
(f) Define a Interface in Java.
(g) Define threads.
(h) Write about finally block in Java.
(i) What are Stacks & Queues?
(j) Define the linked list.

PART-B

(5x16=80 Marks)

Answer all questions

2. (a) What the features and applications of Java programming .
(b) Explain about the structure of a Java programming.
(Or)
(c) Explain about Data types in Java.
(d) Explain about various operators in Java.
3. (a) Explain about evaluation of expressions in Java.
(b) Explain about decision and looping statements in Java.
(Or)
(c) Explain about classes, objects and methods in Java.
(d) Explain about constructors in Java with suitable program.
4. (a) Explain about arrays in Java with examples.
(b) Write about packages in Java with suitable program.
(Or)
(c) Explain about strings in Java.
(d) Write a Java program to find out sum and average of an array in Java.
5. (a) What is multithreaded programming in Java explain it.
(b) Explain about life cycle of a thread in Java.
(Or)
(c) What are exceptions in Java explain them.
(d) What are applets in Java explain them.
6. (a) Explain about insertion sorting mechanism with suitable program.
(b) Write about circular queue with suitable program.
(Or)
(c) Write about inserting a node in binary tree with suitable program.
(d) Write a Java program to implement bubble sort.

FACULTY OF SCIENCE
B.Sc. (II-Year) Backlog Examinations, March-2020
Computer Science
Paper-II
(Object Oriented Programming with Java and Data Structure)

Time: 3 Hours

Max Marks: 100

PART-A

(10X2=20 Marks)

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(b) What is a 'variable'?
(c) What are increment and decrement operators?
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FACULTY OF SCIENCE
B.Sc. CBCS II-Year (IV-Semester) Regular Examinations, December-2020
COMPUTER SCIENCE-IV
(Database Management Systems)

Time: 2 Hour

Max Marks: 80

Answer any Four questions from the following.

(4x20=80 marks)

1. Explain SPARC architecture of DBMS and integrity constraints.
2. Discuss about functions of DBMS and join operations in relational algebra.
3. Explain aggregate functions in SQL and illustrate with examples SQL queries.
4. (i) Explain order by and group by clauses in SQL.
(ii) What is trigger? Explain how to create triggers in SQL.
5. (i) Compare and contrast weak and strong entities.
(ii) Define 1-Normal Form (1-NF) and give example.
6. What is ER diagram? Create ER diagrams for hospital management system including all relationships and entities.
7. Explain two phase locking technique for Concurrency control.
8. Write notes on: (i) Check point (ii) Log file (iii) Properties of Transaction

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Code No: 1073/c

5

FACULTY OF SCIENCE
B.Sc. (CBCS) II-Year, III-Semester Regular Examinations, Nov/Dec-2019
Computation Using Excel (SEC)

Time: 2 Hours

Max Marks: 40

PART-A (4X5=20 Marks)
Answer any four of the following questions

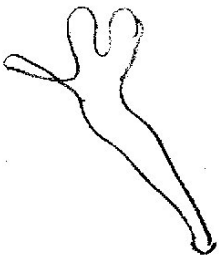
1. Write short cut keys to select various tabs on Excel ribbon.
2. What are various number formatting features in Excel?
3. How to sort data in Excel?
4. Explain built-in function to manipulate text.
5. List different Date and Time functions in excel.
6. Write short notes on Sparkline Graphic.

PART- B (2x10=20 Marks)

Answer all the questions

7. (a) What is conditional formatting? Explain Highlighting cell and top bottom rules with examples.
(OR)
(b) What is Auto filter? Explain how to apply filters on Text and Numbers?
8. (a) Explain the working of VLookup and HLookup formulas with examples.
(OR)
(b) What is Chart? Explain various Charts in excel with neat diagrams.

6+4+10.



Code :5064

FACULTY OF SCIENCE
B.Sc. (CBCS) II-Year, IV-Sem Regular/Backlog Examinations, May/June-2019
COMPUTER SCIENCE-IV
(Database Management Systems)

Time: 3 Hours

Max Marks: 80

PART-A

(Short Answer Type)

Answer the all the questions

(4X5=20 Marks)

1. What is a need of DBMS?
2. Define SQL?
3. Discuss about lock granularity.
4. Explain types of relationship mapping.

PART-B

(Essay Answer Type)

Answer the all the questions

(4X15=60 Marks)

5. (a) Explain the evaluation and history of DBMS?
(OR)
(b) What is the ANSI-SAPRC database architecture?
6. (a) Discuss about views and its uses in SQL?
(OR)
(b) Explain about PL/SQL loops and conditional statement with examples.
7. (a) What are the problems with ER model?
(OR)
(b) What is multi valued dependence?
8. (a) What is lock? Type of locks in DBMS?
(OR)
(b) What is recovery in distributed databases?

Code No: 30733

FACULTY OF SCIENCE
B.Sc.(III-Year) Backlog Examinations, March-2020
Computer Science
Paper-III
(Database Management Systems)

Time: 3 Hours

Max Marks: 100

PART-A

(10X2=20 Marks)

Write short answers to all the questions.

1. What is Data Redundancy?
2. What is Data dictionary.
3. What is Weak entity?
4. Define Surrogate key.
5. What is the use of GROUP BY clause in Select command?
6. Explain the need of Sequence in SQL.
7. What is Transaction?
8. List the advantages of DDBMS.
9. What is Decision Support System (DSS)?
10. List the functions of DBA.

PART-B

(5x16=80 Marks)

Write answer to the following questions.

11. (a) Explain the Building blocks of Data model.
(b) Explain the Degree of Data Abstraction.
(Or)
(c) Explain Codd's Rules for Relational Database Systems.
12. (a) Explain the process of developing ER model.
(b) What are the Challenges of Database design?
(Or)
(c) Explain the need of Denormalization.
(d) Explain basic normal forms with examples.
13. (a) Explain the phase of System Development Life Cycle.
(b) Discuss on Decentralized design.
(Or)
(c) Discuss on types of joins in SQL.
(d) Explain Sub-queries in SQL.
14. (a) What is Concurrency control? Explain the methods for concurrency control with Time stamping methods.
(Or)
(b) Explain the components of DDBMS with neat diagram.
(c) Discuss on Transaction transparency.
15. (a) Explain the characteristics of Data Warehousing.
(b) Discuss the concept of Data Mining.
(Or)
(c) Explain the components of star schema.
(d) Discuss on OLAP.

FACULTY OF SCIENCE
B.Sc.(III-Year) Backlog Examinations, March-2020
Computer Science
Paper-IV
(Web Technologies)

Time: 3 Hours

Max Marks: 100

PART-A

(10X2=20 Marks)

Write short answers to all the questions.

1. (a) What is HTML?
(b) Explain the use of <MARQUEE> and <A> Tags.
(c) What is variable in Java Script?
(d) What is Dynamic HTML?
(e) Define Regular expression.
(f) What is the purpose of Status bar?
(g) What is ASP?
(h) What is the use of XML?
(i) Define CGI.
(j) What is Document Object Model?

PART-B

(5x16=80 Marks)

Answer all the following questions

2. (a) What is FRAME? Write a program in HTML to work with frames.
(b) List the attributes of Form.
(Or)
(c) Explain different types of Lists with example.
(d) Discuss on Multimedia Objects.
3. (a) What is CSS? Explain the usage of CSS with examples.
(Or)
(b) Explain String manipulation Functions with examples.
(c) Write a program to create 1-Dimensional array in Java Script.
4. (a) Define Exception Explain the handling of Exceptions in java script.
(b) Explain Data Validation with examples.
(Or)
(c) Write a program in HTML to demonstrate the working of Rollover Buttons and Moving Images.
5. (a) What is XML? Explain the role of DTD with examples.
(Or)
(b) What are the principles of Good Design?
(c) Explain the XML Schema?
6. (a) Discuss on TCP/IP, XML Parser and PERL.
(Or)
(b) Explain the built-in functions of ASP.
(c) Explain the role of GET and POST methods of HTTP protocol.