

MODEL PAPER



S.K.R. & S.K.R. Govt. College for Women (Autonomous), Kadapa.

Reaccredited with 'B' Grade by NAAC

Y.S.R.Kadapa District – 516001, Andhra Pradesh

DEPARTMENT OF COMPUTER SCIENCE

Object Oriented Programming Using Java

II BSC(III SEM)

TIME: 3 HRS

MAX MARKS: 60 M

SECTION-A

Answer any Five out of Eight questions. Each question carries Four marks. (5x4 = 20 Marks)

1. Wat are java features?
2. List out the data types?
3. What is a constructor? What are various types of constructor?
4. Write about switch statement.
5. What is inheritance? What are various types of inheritance?
- 6 . What is a vector?
7. What is an error? What are various types of errors?
8. Write about Character Stream classes.

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Eight marks. (5X8=40 Marks)

UNIT – I

9. Explain the basic concepts of OOP.

OR

10. Explain operators in java with examples.

UNIT – II

11. Explain the decision making and looping statements in Java.

OR

12. Explain: a)Method overloading b)Overloading methods.

UNIT –III

13. What is an Array? How to create an array?

OR

14. What is an interface? Explain in detail about defining an interface and how to extend an interface with example.

UNIT – IV

15. What is thread ? Explain in detail thread life cycle.

OR

16. What is an exception? Explain about exception handling.

UNIT – V

17. Explain applet lifecycle with neat diagram.

OR

18. What is package? Describe how to create package and how to use it?

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DEPARTMENT OF COMPUTER SCIENCE

Programming In C

IIBCOM(III SEM)

TIME: 3 HRS

MAX MARKS: 60 M

SECTION-A

Answer any Five out of Eight questions. Each question carries Two marks. (5x4 = 20 Marks)

- 1.Explain the basic structure of C?
- 2.What are the basic symbols used to draw a flow-chart?
- 3.Write the different between while and do-while loop?
- 4.Explain about branching statement in c?
- 5.write any 4 string operations in C?
- 6.what is a function? What are the advantages of functions?
- 7.Explain call-by- values and call- by-reference mechanisms?
- 8.Write short note on enumerated data types in c?

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Eight marks. (5X8=40 Marks)

UNIT – I

9. Explain Data types in 'C'?

OR

10. Explain different types of operators supported by c?

UNIT – II

- 11.Explain conditional control statements in C?

OR

12. Write about looping statements in C?

UNIT –III

13.Explain operations on 2D array?

OR

14.what is 1-D array? How can you declare, initialize and accessing 1-D array elements?

UNIT – IV

15.Explain about storage class in C?

OR

16. What is recursive function? Explain?

UNIT – V

17.What are the different between structure and union?

OR

18.Explain about dynamic memory allocation in c?

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DEPARTMENT OF COMPUTER SCIENCE

Networks And Internet Concepts

IIBA(III SEM)

TIME: 3 HRS

MAX MARKS: 60 M

SECTION –A

Answer any Five out of Eight questions. Each question carries Two marks. (5x4 = 20 Marks)

- 1.What is a Network?
- 2.What is a LAN?
- 3.What is Topology?
- 4.What is Hub?
- 5.What is different layers in OSI Model?
- 6.What is protocols and write How many protocols in networks?
- 7.what is Internet?
- 8.what is WML protocol?

SECTION-B

Answer ALL questions (Internal Choice). Each question carries Eight marks. (5X8=40 Marks)

UNIT – I

- 9.what is connecting devices? Explain different connecting devices?

OR

- 10.what is Topology ?write different topologies in Networks

UNIT – II

- 11.what is OSI Model?write in detail about network layers?

OR

- 12.what are different protocols in Networks?

UNIT – III

13.what is Internet Service Providers(ISP)?

OR

14.what are different search engines?

UNIT – IV

15.what Is Internet Architecture?

OR

16.what are Internet features?

UNIT – V

17.what is Wireless Technology?write about wireless technology features?

OR

18.what is virus and How to overcome virus?



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DEPARTMENT OF COMPUTER SCIENCE

Information & Communication Technology –2 (Ict-2)

Internet Fundamentals And Web Tools

I BSC/BCOM/BA(IIISEM)

TIME: 2 HRS

MAX MARKS: 50 M

SECTION – A

Answer any Five out of Eight questions. Each question carries Two marks. (5x2 = 10 Marks)

1. What is Computer Network?
2. What is Topology?
3. What is Web Browser?
4. What is Facebook?
5. What is E-Mail?
6. What is CC and BCC?
7. What is WWW?
8. What is Tag?

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Eight marks. (5X8=40 Marks)

UNIT-I

9. Explain Different Types of Topologies?

OR

10. What Virus? Explain Different types of Viruses?

UNIT-II

11. What is Social Networking? Explain Different types of Social Networking?

OR

12. What is Whatsapp? Write the steps how can you send text message in Whatsapp.

UNIT-III

13. What is E-Mail? Explain Advantages and Disadvantages of E-Mail?

OR

14. Explain about E-Mail Management?

UNIT-IV

15. What WWW? Explain the History of WWW?

OR

16. What is Search Engine? Explain different types of Search Engines?

UNIT-V

17. Explain about Structure of HTML Program?

OR

18. Explain about Tables in HTML?

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DEPARTMENT OF COMPUTER SCIENCE

Data Structures

II BSC(IV SEM)

TIME: 3 HRS

MAX MARKS: 60 M

SECTION-A

Answer any Five out of Eight questions. Each question carries Four marks. (5x4 = 20 Marks)

1. Explain about different types data structures.
2. What is circular linked list?
3. What is stack and what are the applications of stack?
4. Explain about dequeues.
5. What is heap tree? Write about types of heap tree?
6. Explain about minimum spanning tree.
7. Define graph and list its types.
8. Explain about binary search technique.

SECTION – B

Answer ALL questions (Internal Choice). Each question carries Eight marks. (5X8=40 Marks)

UNIT – I

9. Explain single linked list and its operations.

OR

10. Explain double linked list and its operations.

UNIT – II

11. Explain about array representation of stacks.

OR

12. Explain about linked representation of queues.

UNIT –III

13. Explain about array representation of binary trees.

OR

14. Explain about binary tree traversal algorithms.

UNIT – IV

15. Explain various graph representations.

OR

16. Explain graph traversal techniques.

UNIT – V

17. Explain about linear search?

OR

18. Explain merge sort technique with example?

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DEPARTMENT OF COMPUTER SCIENCE

Object Oriented Programming With C++

IIBCOM(IV SEM)

TIME: 3 HRS

MAX MARKS: 60 M

SECTION –A

Answer any Five out of Eight questions. Each question carries Four marks. (5x4 = 20 Marks)

- 1.Applicaions of object oriented programming and differentiate how oops differs from procedure oriented programming?
- 2.Explain operators inc++?
- 3.Explain differences between break and continue with an example?
- 4.Discuss about inline function with example?
- 5.Explain structure in c++?
- 6.Discuss about friend function and friend class?
- 7.Write a c++ program to find factorial of a given numbe?.
- 8.Write a c++ program that prints prime number up to'n'?

SECTION - B

Answer ALL questions (Internal Choice). Each question carries Eight marks. (5X8=40 Marks)

UNIT – I

- 9.Explain oops concepts in detail?

OR

- 10.Explain programming language generations and discuss different object oriented languages and prons and cons in each?

UNIT – II

- 11.Explain keywords in c++?

OR

- 12.Discuss data types in c++?

UNIT – III

13.Explain different components of function?

OR

14.Explain different passing parameters methods in c++?

UNIT – IV

15.Explain arrays concept in detail?

OR

16.Discuss pointers in c++?

UNIT – V

17.Explain different types of constructors with example?

OR

18.Discuss different types of functions with suitable example?

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