

Model Question Papers
COMPUTER
SCIENCE &
ENGINEERING

**BOARD OF INTERMEDIATE EDUCATION
ANDHRA PRADESH - HYDERABAD
MODEL QUESTION PAPER 1st YEAR
SUBJECT : COMPUTER FUNDAMENTALS &
PROGRAMMING IN 'C' (PAPER I)**

COMPUTER SCIENCE

No. of Questions : 18

Time : 3 Hours

Max. Marks : 50

Section - A

Note : (i) Answer all the Questions 10 x 2 = 20
(ii) Each Question carries 2 marks

1. What is a Personal Computer
2. What are the Logical Operations performed by ALU
3. List some Input & output devices
4. Differentiate between software & hardware
5. Convert the $(45)_{10} = ()_2$
6. Write fundamental data types in 'C' language
7. List some logical operators in 'C'
8. Explain about 'Switch' statement
9. What is function and procedure
10. What is Recursion

Section - B

Note : (i) Answer any five Questions 5 x 6 = 30
(ii) Each Question carries 6 marks

11. Write about different generations of computer
12. Explain different functional parts in a digital computer
13. Write about different numbering systems
14. Draw a flowchart for addition of first 100 numbers

15. Write a 'C' program for 5th multiplication table
16. Write a 'C' program to find out whether the given number is prime number or not
17. Write a 'C' using functions to find out sum of two numbers
18. Write a 'C' programs to calculate the factorial of given no.

**BOARD OF INTERMEDIATE EDUCATION
ANDHRA PRADESH - HYDERABAD
MODEL QUESTION PAPER II
Ist YEAR
SUBJECT : PC SOFTWARE TOOLS
(MS OFFICE, WINDOW-98)
COMPUTER SCIENCE**

No. of Questions : 18

Time : 3 Hours

Max. Marks : 50

Section - A

Note : (i) Answer all the Questions 10 x 2 = 20
(ii) Each Question carries 2 marks

1. Expand the term MS DOS
2. Differentiate between Internal & External commands of DOS.
3. List the Sub-menus of Menubar and Title bars of MS-WORD.
4. How do you Insert date and time in MSWORD.
5. List any 4 Statistical functions in MS-EXCEL
6. Define a Macro
7. Define Template
8. How do you set the 'Slide-timings' in a powerpoint
9. Define the term Query
10. Name the different types of Report

Section - B

Note : (i) Answer any five Questions 5 x 6 = 30
(ii) Each Question carries 2 marks

11. Write a procedure to insert a query to a Table
12. Write procedure for creating report and set Header and Footer setting

13. What is spell check and what are the steps involved in spell checking
14. Explain Mail-Merging procedure
15. Explain the Booting procedure
16. Write the syntax and explain the function any 5 external commands
17. What is a graph? How many types of graphs does MS-Excel support? Explain them with diagram.
18. What is Power Point presentation? Explain any five important steps

**BOARD OF INTERMEDIATE EDUCATION
ANDHRA PRADESH - HYDERABAD
MODEL QUESTION PAPER PAPER-III
1st YEAR
SUBJECT : FUNDAMENTALS OF ACCOUNTANCY
& BOOK KEEPING
COMPUTER SCIENCE
No. of Questions : 18**

Time : 3 Hours

Max. Marks : 50

Section - A

Note : (i) Answer all the Questions 10 x 2 = 20
(ii) Each Question carries 2 marks

1. What is Money measurement concept?
2. What is Floating asset? Give two examples
3. Mention any two advantages of Double entry system.
4. Why a Petty Cash Book is prepared?
5. Explain the types of Subsidiary books.
6. What is Invoice?
7. Explain about Cash discount.
8. What is S.B.E.?
9. What are Contigent liabilities?
10. Explain about Project report.

Section - B

Note : (i) Answer any five Questions 5 x 6 = 30
(ii) Each Question carries 6 marks

11. What is a Ledger? Explain the advantages.
12. Explain the Accounting conventions

13. From the following information, prepare general cash book:

		Rs.
2003 January 1	Cash in hand	40,000
" 3	Cash Sales	18,000
" 6	Cash purchases	10,000
" 8	Paid cash to Pavan	5,000
" 10	Cash deposited in a bank	5,000
" 15	Paid rent	2,000
" 20	Received cash from Sunny	12,000
" 25	Paid salaries in cash	3,000
" 30	Bought stationery	2,000

14. Record the following transactions in the proper subsidiary books.

		Rs.
2003 July 1	Purchased good from Raju	16,000
July 5	Sold goods to Santhosh	20,000
July 9	Purchased goods from Nikhil	15,000
July 15	Sold goods to Venu	12,000
July 18	Sold goods to Yashwanth	8,000
July 20	Goods bought from Sridhar	5,000
July 25	Sold goods to Ashok	11,000

15. Explain briefly about :

- | | |
|---------------------|--------------------|
| (a) Bad debts | (b) Trade discount |
| (c) Pass book | (d) Credit note |
| (e) Revenue Expense | (f) Overdraft |

16. What are the steps in establishing a small business enterprise?

17. Write short notes on any two of the following:

- | | |
|--------------------|------------------------------|
| (a) Final accounts | (b) Rectification of entries |
| (c) Journal proper | (d) Trial balance methods |

18. What is an Auditing & explain its procedure using Accounting Software.

**BOARD OF INTERMEDIATE EDUCATION
ANDHRA PRADESH - HYDERABAD
MODEL QUESTION PAPER PAPER-IV
IInd YEAR
SUBJECT : DATA STRUCTURES USING 'C'
COMPUTER SCIENCE**

No. of Questions : 18

Time : 3 Hours

Max. Marks : 50

Section - A

Note : (i) Answer all the Questions 10 x 2 = 20
(ii) Each Question carries 2 marks

1. Define an array
2. Write Syntax for two dimensional array. Using int's char
3. What is *, operators.
4. Define a stack
5. What is the difference between Queued priority Queue.
6. What is Infix, Prefix & Postfix operations.
7. What is Recurrion.
8. Name any four sorting techniques.
9. What is a Binary Tree.
10. What is ISAM.

Section - B

Note : (i) Answer any five Questions 5 x 6 = 30

(ii) Each Question carries 6 marks

11. Write a program for addition of two matrices.
12. Write a program to swap two numbers using call by reference method.
13. Write a recursive program to generate fibonacci series.
14. Write a procedure for binary search.
15. Write the algorithm to implement stack operations.
16. Write a procedure for queue operations.
17. Write the steps in Merge sort to sort the following items
5,3,2,10,15,13,20.
18. Write a note on binary trees.

**BOARD OF INTERMEDIATE EDUCATION
ANDHRA PRADESH - HYDERABAD
MODEL QUESTION PAPER PAPER-V
IInd YEAR**

SUBJECT : DATA BASE MANAGEMENT SYSTEM/

BASICS OF RDBMS

& BOOK KEEPING

COMPUTER SCIENCE

No. of Questions : 18

Time : 3 Hours

Max. Marks : 50

Section - A

Note : (i) Answer all the Questions 10 x 2 = 20
(ii) Each Question carries 2 marks

1. What is DBMS?
2. Write three views of Data.
3. Write any two features of Hierarchical structure.
4. Expand the following :
(a) RDBMS (b) DBTG (c) DDL (d) DML
5. Explain Data Dictionary.
6. Define schema and sub-schema.
7. Explain the importance of a Primary key.
8. Briefly explain Tuple and Domain.
9. What is ER-Model?
10. Explain the term system, Analysis & Design.

Section - B

Note : (i) Answer any five Questions 5 x 6 = 30

(ii) Each Question carries 6 marks

11. What are the advantages of DBMS over traditional file processing system?
12. What are the three levels of database Architecture?
13. What are the responsibilities of Database Administrator (DBA)?
14. Explain in detail, how the network database model is implemented.
15. Explain any six CODD rules.
16. Explain different phases of system life cycle.
17. Explain about different types of testing.
18. Write short notes on any two of the following:
 - (a) Entity and Attributes
 - (b) Database
 - (c) Data Independence
 - (d) Data Integrity

**BOARD OF INTERMEDIATE EDUCATION
ANDHRA PRADESH - HYDERABAD
MODEL QUESTION PAPER PAPER-VI
IInd YEAR**

SUBJECT : DATA COMMUNICATION AND COMPUTER NETWORKS

COMPUTER SCIENCE

No. of Questions : 18

Time : 3 Hours

Max. Marks : 50

Section - A

Note : (i) Answer all the Questions 10 x 2 = 20
(ii) Each Question carries 2 marks

1. Name the types of Data Communications.
2. What is band width.
3. Mention some physical communication medias.
4. Name different type of Network.
5. Name different between a HUB and a Switch.
6. Define TCP/IP
7. What is TELNET.
8. What is the use of modem.
9. Name some network operating systems.
10. What is NIC.

Section - B

Note : (i) Answer any five Questions 5 x 6 = 30

(ii) Each Question carries 6 marks

11. Write in detail about different network topologies.
12. Write about different types of Networks.
13. Write about the functionality of a modem with neat diagram.
14. Define CGI and describe the architecture of CGI.
15. Write a short note on E-mail & FTP.
16. Write briefly about search engines.
17. Write a short note on the advantages of Internet and E-mail.
18. What is dial up network. Explain about Netphone.

14. LIST OF PARTICIPANTS

- (1) Dr. P. PREM CHAND
Professor
Dept. Of Computer Science and Engineering
University College of Engineering
Osmania University
Hyderabad.

- (2) K. VINOD KUMAR
Lecturer
Computer Engineering Dept
Govt. Polytechnic
Warangal.

- (3) M.V. RAMA RAO
Lecturer
Govt. Junior College(Boys)
Nampally
Hyderabad.

- (4) K.Y. VIKRAM
Chief Executive Officer
Info Rays Technologies
Gandhi Nagar
Hyderabad.