

Model Question
HSC Examination - 2014
(English Version)

Subject : Computer Studies 2nd Paper

Time : 3 Hours

Full Marks – 60

1. a) What are the steps of data processing? Describe it. 3
b) What is system? Describe the steps of System Development Life Cycle. 1+6=7

Or,

- a) What is sorting? Write down the algorithm of Bubble sort with example. 1+4=5
b) What is searching? Write down the algorithm of binary searching with example. 1+4=5
2. a) What is 4GL? Write down some characteristics of it. 1+3=4
b) What is Database Management System? Write down the primary functions of DBMS. 2+4=6

Or,

- a) What is Database Administrator? Describe the main functions of DBA. 1+4=5
b) Discuss about client server and distributed database. 5
3. a) What is Data Communication? What are the elements of data communication? Describe it. 1+4=5
b) What is Internet? Discuss the advantages of internet. 1+4=5

Or,

- a) What is Network Topology? Describe the structure and features of Bus, Ring and Tree topology. 1+6=7
b) Write short note: HTML, WWW and POP. 3
4. a) Describe the feature of EDGE technology. 5
b) Write down the differences between GSM and CDMA? What is SIM? 1+4=5

Or,

- a) What are the components of multimedia system? Discuss it. 4
b) Discuss the steps of preparing a program. 6
5. What is Query Language? Describe about DDL and DML 1+4=5

Or,

- Discuss the functions and features of Management Information System. 5
6. What is cellur telephone? Describe the standard of cellur telephone. 1+4=5

Or,

What is RDBMS? Write down the uses of Standard Relational Database Management System. 1+4 =5

7. Describe the features of a standard program? What are program testing and debugging? 3+2=5

Or,

What is translator? Write down the differences between compiler and interpreter. 5

8. Discuss the data types in C programming language with examples. 5

Or,

Write a program to find GCD of two numbers. 5