

(2)

- (h) Difference between Compiler and Interpreter.
- (i) What is Data Communication ?
- (j) What is Bridge and Hub ?
- 2. (a) Explain in brief the History of Computer. Explain generation of Computer System. 7
- (b) Perform the following : 7
 - (i) $1110 * 1.01$
 - (ii) BCD number of 12
 - (iii) Convert 69 decimal number to binary number
- 3. (a) What is Monitor ? Explain the types of monitor used in a computer system. 7
- (b) Explain the following : 7
 - (i) Joystics
 - (ii) Touch Screen
 - (iii) Printers
- 4. (a) What is Memory ? Explain the difference between sequential and Direct Access Memory ? 7
- (b) What are Data Drives ? Explain, how HDD is differ from a floppy disk. 7

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5. (a) Explain the following : 7
- (i) Assembler
 - (ii) Compiler
 - (iii) Interpreter
- (b) What are Languages? Explain different types of Language used in computer software. 7
6. (a) Explain the various types of Network used in computer system. 7
- (b) Explain the differences between the following : 7
- (i) Half and Full duplex transmission
 - (ii) Router and Modem
7. (a) Explain the various types of communication channels media used in Computer Network. 7
- (b) Write short notes on any **two** of the following : 7
- (i) Phase Modulation
 - (ii) TCP / IP Protocol
 - (iii) Serial and Parallel Communications