

HG(3) - Math(8) Pr. of Com.Sc. (Sc. & Arts)

2021

Time : 3 Hours

Maximum Marks : 70

Candidates are required to give their answers in

their own words as far as practicable.

Answer any five questions in which

question no. 1 is compulsory.

D-266

1. Choose the correct answer of the following.

(a) The technology used in the manufacture of second generation computers is

- (a) Vacuum tubes
- (b) Transistor
- (c) ICS
- (d) None of these

(b) A virus is a

- (a) Software
- (b) Hardware
- (c) Firm Wave
- (d) None of these

- (c) 1 MB studs for
 - (a) 1024 KB
 - (b) 1024 GB
 - (c) 1024 Bytes
 - (d) 1024 TB

- (d) The Pointing devices among the following are
 - (a) Keyboard
 - (b) Barcode reader
 - (c) Joystick
 - (d) Touch screen

- (e) Magnetic tapes, floppy disks, optical disks, flash memory and hard disks are example of
 - (a) Primary memory
 - (b) Auxiliary memory
 - (c) Cache memory
 - (d) Flash memory

- (f) C language came into existence is
 - (a) 1970
 - (b) 1971
 - (c) 1972
 - (d) 1973

- (g) Choose the odd one out
 - (a) Compiler
 - (b) Interpreter
 - (c) Assembler
 - (d) Linker

- (h) The area where a program is loaded for execution is
 - (a) Primary memory
 - (b) Secondary memory
 - (c) Tertiary memory
 - (d) Auxiliary memory

- (i) LAN stands for
 - (a) Live Area Network
 - (b) Long Area Network
 - (c) Local Area Network
 - (d) None of these
- (j) Intel company develops
 - (a) Monitor
 - (b) Mouse
 - (c) Processor
 - (d) Hard disk
- (k) Relational operator in C are
 - (a) +, -, *, /, %
 - (b) <, >, <=, >=
 - (c) =, +=, -=, *=, /= etc
 - (d) ?
- (l) Which of the following is a word processor
 - (a) Coral draw
 - (b) Notepad
 - (c) Page maker
 - (d) None of these
- (m) The most portable language is
 - (a) C
 - (b) Basic
 - (c) Java
 - (d) FORTRAN

- 1. The decimal equivalent of 1101 is
 - (a) 12
 - (b) 13
 - (c) 14
 - (d) 15

2. What is an Algorithm? Write an algorithm to find the sum of first N natural numbers.

- 3. Define a computer. Write a short note on the characteristics of a computer
- 4. Write a program in C to find the largest number among three given numbers
- 5.
 - (a) Convert 169 into its binary equivalent
 - (b) Convert 1101 into decimal number
- 6. What is the difference between class and object? Explain with example with examples. <https://www.lnmuonline.com>
- 7. What do you mean by database? What are different types of database? Explain
- 8. Explain the concept of circular queue. How is it better than linear queue?
- 9. What do you mean by artificial intelligence? What is expert system in AI? Give some applications.
- 10. What do you mean by database? What are different types of database? Explain

....