

# K COMMON FIRST MID TERM TEST - JULY 2019

Reg. No. 

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## STANDARD - XI COMPUTER SCIENCE

Marks: 50

Time: 1.30 Hrs.

### PART - A

12×1=12

Choose the correct answer:

- 1) Identify the output device;  
a) Keyboard      b) Memory      c) Monitor      d) Mouse
- 2) Which one of the following is the main memory?  
a) ROM      b) RAM      c) Flash drive      d) Hard disk
- 3) For  $1101_2$  what is the Hexadecimal equivalent?  
a) F      b) E      c) D      d) B
- 4)  $A+A = ?$   
a) A      b) 0      c) 1      d)  $\bar{A}$
- 5) How many bits constitute a word?  
a) 8      b) 16      c) 32      d) determined by the processor used
- 6) Which is the fastest memory?  
a) Hard disk      b) Main memory  
c) Cache memory      d) Blue-Ray disk
- 7) File management manages  
a) Files      b) Folders  
c) Directory systems      d) All the above
- 8) Android is a  
a) Mobile operating system      b) Open source  
c) Developed by Google      d) All the above
- 9) Which of the following OS is not based on Linux?  
a) Ubuntu      b) Redhat      c) Cent OS      d) BSD
- 10) Which menu bar is the top of the windows?  
a) Menu bar      b) Tools bar      c) Title bar      d) Task bar
- 11) Stating the input property and the as : Output relation a problem is known  
a) Specification      b) Statement      c) Algorithm      d) Definition
- 12) If  $i = 5$  before the assignment  $i := i-1$  after the assignment, the value of  $i$  is  
a) 5      b) 4      c) 3      d) 2

**PART - B****Answer any 5 questions: (Compulsory Q.No. 16)****5 × 2 = 10**

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- 13) What are the components of a CPU?
- 14) Write the Expand: BCD, EBCDIC
- 15) Draw the truth table for XOR gate.
- 16) Which source is used to erase the content of a EPROM?
- 17) What is Mult-processing?
- 18) Differentiate Save and Save As option.
- 19) What are the advantages of open source?
- 20) Define an Algorithm.

**PART - C****Answer any 6 questions: (Compulsory Q.No. 24)****6 × 3 = 18**

- 21) Write the applications of computer.
- 22) Add:  $-10_{10} + 15_{10}$
- 23) Subtract:  $1101011_2 - 111010_2$
- 24) Classify the microprocessor based on the size of the data.
- 25) Explain the process management algorithms in operating system.
- 26) List out the major differences between Window and Ubuntu OS.
- 27) What is the form and meaning of assignment statement?
- 28) Write short note on ISCII.
- 29) Write short note on impact printer.

**PART - D****Answer all the questions:****2 × 5 = 10**

- 30) Explain the basic components of a computer with a neat diagram.

**(OR)**

Explain the types of ROM.

- 31) Explain the fundamental gates and derived gate with expression and truth table.

**(OR)**

Explain the versions of windows operating system.

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