

KATHMANDU UNIVERSITY
End-Semester Examination
March/April 2017

Marks scored:

Level : B.Sc./B.Pharm./B.Tech.
Year : I

Course : COMP 101
Semester: I

Exam. Roll No.: _____ Time : 30 mins.

F.M. : 10

APR 09 2017

Registration No.: _____

Date : _____

SECTION "A"
[20 Q.×0.5=10 marks]

Choose and tick (✓) the most appropriate answer:

- Which of the following is not a component of an Information System?
_____.
 People Organization
 Technology Infrastructure
- When were diodes introduced? _____.
 1st Generation Computers 2nd Generation Computers
 3rd Generation Computers 4th Generation Computers
- Where is the result of the operations performed by ALU stored? _____.
 CU Accumulator Memory Register Array
- The second phase of E-Cycle is _____.
 Load address registers Command ALU to perform operation
 ALU performs operation Send data from memory to registers
- Which of the followings is NOT an input device?
 Plotter Scanner
 Light pen Touch screen
- The printing speed of Dot Matrix printer is _____.
 20-240 cps 30-600 cps
 30-400 cps 30-300 cps
- $(10110001)_2$ represents (_____) ₁₀.
 175 179 177 181
- $(223)_{10}$ is equivalent to (_____) ₂.
 11110111 11110111 11011111 10111111
- In XNOR gate, the output is LOW (0) if _____.
 Both the inputs are similar
 Both the inputs are different
 Anyone of the inputs is LOW
 The output of XNOR gate is never LOW

10. Which of the followings is true?
 The output of NAND gate is HIGH (1) if all the inputs are HIGH
 The output of XNOR gate is the complement of the output of XOR
 The output of XOR gate is LOW (0) if both the inputs are different
 The output of NOR gate is HIGH if anyone of the inputs is HIGH
11. Program Design tools serve as an excellent documentation for _____ device.
 System Analysts Designers
 Debuggers Maintenance Programmers
12. The electronic circuit which detects that a key is pressed from the keyboard is called _____.
 Decoder Encoder LED Hub
13. What we use for the purpose of permanent storage of data?
 ROM Hard Disk RAM Processor
14. A port that can transmit 1 data bit at a time is called _____.
 Semi-Serial Parallel Bi-parallel Serial
15. Which of the followings is NOT a type of operating system?
 Multitasking Multiprocessing
 Multiplexing Time Sharing
16. The symbol that is used to indicate the decision stage in flow charts is _____.
 Oval Circle Diamond Rectangle
17. Which of the stages of a SDLC incorporates programming/coding?
 Design Acquisition Implementation Analysis
18. The components of a communication system are Sender, _____, _____ and Medium.
 Client, Receiver Receiver, Message
 Repeater, Client Repeater, Message
19. 8 KB is equivalent to _____ bits.
 8192 65536 16384 61348
20. Slide Rule was the contribution of _____.
 G.V. Leibniz William Aughterd
 Joseph Marie Jacquard Charles Babbage