

B.Sc. ELECTRONICS
Fifth Semester
MICROPROCESSORS AND MICROCONTROLLER
(BSE - 21)

Duration: 20 minutes

Marks – 20

(PART A - Objective Type)

I. Choose the correct answer:

1×20=20

1. The devices that provide the means for a computer to communicate with the user or other computers are referred to as
 - a) CPU
 - b) ALU
 - c) I/O
 - d) None of the above
2. The circuits in 8085 that provide the arithmetic and logic functions are called the
 - a) CPU
 - b) I/O
 - c) ALU
 - d) Memory
3. How many bits are used in data bus of 8085 microprocessor?
 - a) 7
 - b) 8
 - c) 9
 - d) 16
4. The items that you can physically touch in a computer system are called
 - a) Software
 - b) Firmware
 - c) Hardware
 - d) None of the above
5. When referring to instruction words, a mnemonic is
 - a) A short abbreviation for the operand address.
 - b) A short abbreviation for the operation to be performed.
 - c) A short abbreviation for the data word stored at operand address.
 - d) Shorthand for machine language.
6. All computer programs for a machine are called
 - a) Software
 - b) Hardware
 - c) Firmware
 - d) None of the above
7. In the microprocessor, the mnemonics have to be converted to
 - a) Hexadecimal machine code
 - b) Octadecimal machine code
 - c) Binary machine code
 - d) All of the above
8. Which bus is a bidirectional bus?
 - a) Address bus
 - b) Data bus
 - c) None of the above
 - d) All of the above
9. ALU stands for _____.

10. 8086 microprocessor has how many pins?
a) 40 b) 38 c) 36 d) 30
11. The register AX is formed by grouping
a) AH and AL b) BH and BL
c) CH and CL d) DH and DL
12. INC destination increments the contents of destination by
a) 2 b) 3 c) 1 d) 6
13. IMUL source is a signed
a) Division b) Addition
c) Multiplication d) Subtraction
14. The JNZ is called as
a) Jump on carry b) Jump if not zero
c) Jump if signed d) Jump if zero
15. _____ is used to write into memory.
a) RD b) WR c) RD/WR d) CLK
16. A microcontroller integrates multichip systems with RAM, ROM and I/O. (True/False) _____
17. When the microprocessor executes some arithmetic operations, then the flag bits of which register are affected?
a) Status flag register b) Stack pointer
c) Data pointer d) Program counter
18. 8085 has 5 sign flags. (True/False) _____
19. The memory segment registers in 8086 are
a) AS,BS,CS,DS b) BS,CS,SS,ES
c) CS,DS,ES,SS d) DS,ES,FS,GS
20. In 8085 microprocessor, accumulator is an 8-bit register and is also known as register B.
(True/False) _____
