

STD: XI**JUNE MONTHLY TEST****Lesson: 1,2 &3****Marks: 50 / Time: 1:30 Hrs.****COMPUTR SCIENCE****PART – I****I. Choose the best answer.****10 X 1 = 10**

1. Which one of the following is used to in ATM machines.
a) Touch Screen b) speaker c) Monitor d) Printer
2. _____Output device is used for printing building plan.
a) Thermal printer b) Plotter c) Dot matrix d) inkjet printer
3. How many characters can be handled in Binary Coded Decimal System?
a) 64 b) 255 c) 256 d) 128
4. Which amongst this is not an Octal number?
a) 645 b) 234 c) 876 d) 123
5. $A + A = ?$
a) A b) O c) 1 d) A
6. Which of the following device identifies the location when address is placed in the memory address register?
a) Locator b) encoder c) decoder d) multiplexer
7. What is the capacity of 12cm diameter DVD with single sided and single layer?
a) 4.7 GB b) 5.5 GB c) 7.8GB d) 2.2 GB
8. When the system starts from initial state which type of booting is used
a) Warm booting b) Cold booting c) Touch Boot d) Real Boot
9. 2^{70} referred as
a) Peta b) kilo c) Zetta d) Tera
10. Match the following
a) CDROM - 1. 4.7 GB
b) DVD - 2. 50 GB
c) Flash memory - 3. 700 MB
d) BluRay Disc - 4. 2 TB
a) 3 2 1 4 b) 1 2 3 4 c) 4 1 2 3 d) 3 1 4 2

PART-II**II. Answer any five questions. Q. No. 17 is compulsory.****5 X 2 =10**

11. What is a computer?
12. List the encoding systems that represents characters in memory.
13. What is an instruction?
14. Write the associative laws?
15. Write notes about Light pen.
16. $(8888)_8$ is it Exactly Octal number? State Reason.
17. Convert $(11010110)_2$ into octal equivalent number.

PART-III

III. Answer any five questions. Q. No. 24 is compulsory.

5 X 3 = 15

18. Write short note on impact printer.
19. Write short note on ISCII.
20. Write the De Morgan's law.
21. Differentiate CD and DVD.
22. Write a note on a) Robotics b) Nano Technology.
23. Difference between Static and Dynamic RAM.
24. What is an Unicode?

PART-IV

IV. Answer all the questions.

3 X 5 = 15

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

(OR)

b) Find 1's Complement and 2's Complement for the following Decimal number to Binary i) -98 ii) -135

26. a) Explain the steps to conversion of fractional Binary equivalent

(OR)

b) Arrange the memory devices in ascending order based on the access time.

27. a) Explain the types of ROM.

(OR)

b) What is an output unit? Explain any three output devices