

Saraswat Vidyalaya's  
**Sridora Caculo College of Commerce & Management Studies**  
First Year B.C.A. Semester-I Supplementary Examination, October 2020

**COMPUTER ORGANISATION AND ARCHITECTURE**

Duration: 2 Hours

Total Marks: 30

**Instructions:** 1) *All questions are compulsory*  
2) *Figures to the **right** indicate **full marks***

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**Q.I) Answer the following questions:- ( Any 5 )**

**(5X2=10)**

1. Explain the various computer components.
2. Draw block diagram of a computer
3. Write in brief on Von Neumann Architecture.
4. Explain the various functions of CPU
5. What is the full form of ALU & CPU?
6. What are I/O modules?
7. What are the functions of ALU?
8. What are peripheral devices? Give an example.

**Q.II) Answer the following questions :- ( Any 4 )**

**(4X5=20)**

1. Explain the Bus interconnection with help of a diagram.
  2. Convert the following decimal numbers to Binary numbers:-  
a)  $(41)_{10}$     b)  $(220)_{10}$
  3. Explain the various I/O devices.
  4. Explain the floating point representation.
  5. Write short note on Assembly language programming.
  6. Convert the following binary numbers to decimal numbers:-  
a)  $(1101)_2$     b)  $(1110)_2$
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