

Roll No. ....

**Y – 171 / Y– 172**  
**B.Sc. (First Year) EXAMINATION, March/April-2021**  
**INFORMATION TECHNOLOGY**  
Paper – I, II  
**INTRODUCTION TO INFORMATION TECHNOLOGY & COMPUTER**  
**ORGANISATION/PROGRAMMING & PROBLEM SOLVING**  
**THROUGH C&C++**

*Time : Three Hours*

*Maximum Marks : 40 + 40 = 80 (For Regular Students)*

*Minimum Pass Marks : 33%*

*Maximum Marks : 50 + 50 = 100 (For Private Students)*

*Minimum Pass Marks : 33%*

**नोट-** सभी प्रश्न हल कीजिये।  
Attempt all questions.

**खण्ड ( अ )**

**(Section A)**

1. Computers के प्रकारों को विस्तार से समझाइए। 13/16  
Explain types of Computers in detail.
2. Logical system architecture को विस्तार से समझाइए। 13/17  
Explain Logical system architecture in detail.
3. MS-Word में document को create और save करने के चरणों को लिखिए। 14/17  
Write the steps of creating and saving a document in MS-Word.

**खण्ड ( ब )**

**(Section B)**

4. किन्हीं तीन पर संक्षिप्त टिप्पणियाँ लिखिए : 13/16  
Write short notes on any *three* of the following :  
(i) Control statements and their use.  
(ii) Basic structure of C program.  
(iii) Comparison between C and C++.  
(iv) Function Call.  
(v) Type casting and its use.
5. उपयुक्त उदाहरण देते हुये, किन्हीं दो पर विस्तृत टिप्पणियाँ लिखिये : 13/17  
Giving suitable example, write detailed notes on any *two* :  
(i) Classes and objects.  
(ii) Friend and virtual functions.  
(iii) Advantages and problems of object oriented language.  
(iv) Memory allocation for objects.
6. उपयुक्त उदाहरण देते हुये, किन्हीं दो पर विस्तृत टिप्पणियाँ लिखिये : 14/17  
Giving suitable example, write detailed notes on any *two* :  
(i) Operator overloading.  
(ii) Binary operators using friends.  
(iii) Multiple inheritance.  
(iv) Constructors in Derived classes.

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