



**SB-4497**

**P.G.D.C.B.A. Examination**

**March / April - 2011**

**Computer & Its Application : Paper - I**

Time : 2 Hours]

[Total Marks : 40

**Instructions :**

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fillup strictly the details of signs on your answer book. Name of the Examination : <input type="text" value="P.G.D.C.B.A."/> Name of the Subject : <input type="text" value="Computer &amp; Its Application : Paper - 1"/> Subject Code No. : <input type="text" value="4"/> <input type="text" value="4"/> <input type="text" value="9"/> <input type="text" value="7"/> Section No. (1, 2,.....) : <input type="text" value="Nil"/>	Seat No. : <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <div style="border: 1px solid black; border-radius: 15px; height: 60px; margin-top: 10px; display: flex; align-items: center; justify-content: center;">             Student's Signature           </div>
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(2) All the questions carry equal marks.

- 1 Answer in brief : 10
- (i)  $100001_2 = \text{_____}_8$
  - (ii) What do you mean by ALU ? Mention the function of ALU.
  - (iii) Perform  $100 - 78$  using complement method.
  - (iv) Name any two temporary storage devices.
  - (v) Give the full form of BASIC.
- 2 (a) What do you mean by Computer Language ? 8  
 Explain its different types and give the merits and de-merits of each of the language type.
- (b)  $4096 \text{ KB} = \text{_____ MB}$ . 2
- OR**
- 2 (a) Explain the types of operating system and give 5  
 example of each of them.
- (b) Differentiate Compiler and Interpreter. 5
- 3 Do as directed : (any two) 10
- (a) Convert into required Number System :  
 $56AB_{15} = \text{_____}_{18}$
  - (b) Solve the arithmetic expression :  $100100100_2 * 100_2 / 10_2 - 1111_2 + 1011_2$
  - (c) Convert into Decimal :  $DAG_{16}, 101011.0101_2$
  - (d) Convert the number 65858 to its equivalent Hexa-Decimal No.

4 Write short notes : (any two)

10

- (i) Input Device
  - (ii) Types of Computers
  - (iii) Application Software.
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