Final XXXX	**Date: XXX**
Course Code (Name): 10700 (CAM)	**Course Instructor: HB**
Max Marks: 60	**Time: 150 minutes**

Instructions:
- Write briefly and to the point
- Understand -> Think -> Write

1. What do the following abbreviations stand for? **5**

   (a) PNG   (b) HDMI   (c) HTTPS   (d) FSB   (e) SDK

2. Fill up the blanks: **5**

   (a) The *iPhone* uses the _____ operating system.

   (b) *Class D* IP Addresses are used for _____.

   (c) *String* data type is an array of _____.

   (d) *Flatbed* is a type of _____.

   (e) In a Graph, _____ edges are incident on a *pendant* vertex.

3. Calculate the total memory in GB:
   1.2 TB + 1.06 GB + 734 MB + 596 KB + 810 B   **5**

4. Do the following conversion: $(346.5)_7 \equiv ($ $)_4$ **5**

5. Answer ***any eight*** from the following:

   (a) What is your understanding of *open source software*? Why will you use them? Name two popular open source software. **2 + 2 + 1 = 5**

   (b) Write a note on the various types of micro computers. Which is the world's largest manufacturer of personal computers? **4 + 1 = 5**

   (c) What is the importance of a token in ring topology? Define *packet switching.* Why is packet switching used in the Internet? **2 + 1 + 2 = 5**

   (d) What are the essential features of an e-commerce site? What are the various payment options available for these sites? **3 + 2 = 5**

   (e) Discuss how Information Systems can give competitive advantage and operational efficiency to business houses. **5**

   (f) What do you understand by cyber crime? What measures may be taken to fight cyber crime? **2 + 3 = 5**

   (g) Draw a *binary search tree* for 42, 28, 56, -7, 32, 50, 64. Is the binary search tree balanced? Why? Give the *inorder* traversal for the tree. **2 + 1 + 2 = 5**

   (h) *Sort* the following numbers using any sorting technique: -43, 67, 0, 38, -56, 98, 192. Name the technique you have used. **5**

   (i) How has the *IT Act 2000* benefitted the Corporate Sector? Discuss. **5**

   (j) Define *Computer Ethics.* Bring out its importance. **2 + 3 = 5**

   (k) Write a note on the importance of knowledge of computer applications for managers. **5**

A L L   T H E   B E S T