Maximum Marks :75

Paper Code: BCA107

## SUPPLEMENTARY EXAMINATION

FIRST SEMESTER [BCA] SEPTEMBER-2014

CA107 Subject: Introduction to Computers & IT

	te compulsoru			
Note: Attempt any five questions including Q.no.1 which is compulsory.  Select one question from each Unit.				
Select one question from each even	nto province in the first term of the first term			
Q1 Attempt the following:- (a) Distributed Computing	$(2.5 \times 10 = 25)$			
(b) RAM				
(c) EBCDIC Codes (d) Decision Transmission Modes				
(d) Decision Transmission Modes  (e) Data Transmission Modes				
(f) Telnet				
(g) Pseudo code (h) CPU				
(i) Client Server Architecture				
(j) WWW UNIT-I				
Q2 List the key hardware and software technologies computer of each of the five generations.	used in building (12.5)			
Q3 (a) Draw and explain the block diagram of computer. (b) Explain the Classification of Computer. Also provide classification of Computer.	e example for each (7.5)			
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Q4 Write the algorithm and draw a flowchart for finding th integers.	(12.5)			
Q5 (a) What are High Level Languages? List the various ty required for conversion of these high level language. (b) What do we understand by the term Operating Sy various functions of an Operating System.				
<u>UNIT-III</u>	(5)			
Q6 (a) Write short note on Gray Code. (b) Perform the following:-	(7.5)			
m + 11 1011 11000 and 111	1.0.D			
(i) Add 1011, 11000 and 111 (ii) Find 2's compliment of 100111100 — 011 0 0 (iii) Binary Subtraction on 1100, 1010				
Q7 (a) Write short notes on ASCII and BCD Codes.  (b) Perform the following:-  (i) (1100011) <sub>2</sub> =(?) <sub>8</sub> (ii) (45C) <sub>16</sub> =(?) <sub>2</sub> (iii) (110	(5) (7.5) (000011111) <sub>2</sub> =(?) <sub>16</sub> .			
UNIT-IV	(5)			
Q8 (a) Explain briefly the various Services of Internet. (b) Draw and explain the various Network Topolog Communication Network.	ies that exist in a (7.5)			
the basic elements of a Communication Sy	vstem. (5)			
Q9 (a) Discuss the basic elements of a OSI Moc (b) Draw and explain the various layers of an OSI Moc	lel. (7.5)			
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