## **END TERM EXAMINATION**

SIXTH SEMESTER [BCA] SEPTEMBER- OCTOBER 2020

Pap	er C	Code: BCA-304 Sub	ject: Mobile Computing
			Maximum Marks: 75
!	Note	te: Attempt any three questions including Q.no1	which is compulsory.
Q1	a) b) c) d)	Attempt all parts of the following:-  All What were the reasons behind the implementa WML?  What are the challenges and pitfalls in the making What do you understand by WML script progratypes of pragma.  Differentiate between FDM and SDM.	g of Mobile Internet?
Q2	-	Mention the features of mobile internet.  Discuss the path Loss in Signal propagation during	ng wireless transmission.
	b) c)	Write the advantages & disadvantages of all three Explain the phenomenon of MACA. Also draw to explain how it avoids Hidden & Exposed and near	he protocol machines and
Q3	·	Define the following terms:-  (i) Flat fading (ii) Frequency selective fading  (iii) Coherence Bandwidth (iv) Coherence time.  Explain the term  Aloha & Slotted Aloha and differentiate between th	(4x5=20) (5)
Q4	bi	What do you understand by Mobile Internet. Also services for the mobile internet.  Write a WML script card using <input/> , <select> &amp; What do you understand by WML timers, Desks, T</select>	(8) <option>, (8)</option>
Q5	b)	Explain briefly AFSK & APSK also draw the signal Explain:- (i) <access> (ii)  (iii) <meta/> Explain in detail all the subsystems of GSM are GSM Architecture. https://www.ggsipuonline.com</access>	chitecture. Also draw the
Q6		Write about the following operators with example  (i) Assignment Operators  (ii) Bit wise Operator  (iii) Logical Operator  (iv) Comma Operator  Write WML script function to check a valid email is display the message "Correct email", and for invalid message "wrong email".	(4x5=20) d. For a valid format, d email id, display the (5)
Q7	b)	<ul> <li>Write a WML script statement using expression as Loops.</li> <li>Discuss the Handover process in GSM. Also write to Discuss the various types of handover.</li> <li>Explain the security and limitations in WAP service.</li> </ul>	(8) the reasons of Handover. (8)
Q8	a) b) c) d)	Explain the following terms:-  Near & far terminals  CDMA (auto correlation & orthogonality)  Difference between TDM and CDM.  Define the terms: hidden terminal and exposed ter  Explain the process of inter-cell handover and intre-	