

Reg.No. _____



Karunya UNIVERSITY

(Karunya Institute of Technology & Sciences)
(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

End Semester Examination – Nov/Dec – 2016

Code : 14CS3018
Sub. Name : MOBILE AD HOC NETWORKS

Semester : 2016-17 ODD
Duration : 3hrs
Max. marks : 100

ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)

Q. No.	Sub Div.	Questions	Course Outcome	Marks
1.	a.	Identify the major security threats that exist in any ad hoc wireless network ?	CO1	20
(OR)				
2.	a.	If a military ad hoc wireless network utilizes MACA protocol with binary exponential backoff (BEB) mechanism for channel access, identify the problems that could be predicted. How can you overcome it, through MACAW protocol ?	CO1	20
3.	a.	Justify, how the busy tone multiple access protocol overcomes the hidden terminal problem faced in wireless environments?	CO1	20
(OR)				
4.	a.	How does the Five Phase Reservation Protocol (FPRP) handle the slot reservation? Demonstrate with an example and application?	CO2	20
5.	a.	Justify, how a Zone based hierarchical link state routing protocol reduces storage overhead and the communication overhead because of mobility?	CO2	20
(OR)				
6.	a.	Discuss any two on demand routing protocol that is suitable for mobile ad hoc networks?	CO1	20
7.	a.	Justify, how adaptive services are provided in adhoc wireless network by INSIGNIA QoS framework?	CO2	20
(OR)				
8.	a.	Identify the Issues and challenges in providing QoS in adhoc networks?	CO1	20
<u>Compulsory:</u>				
9.	a.	Differentiate the GSM and GPRS PLMNs architecture?	CO2	20

ALL THE BEST