



# THE AMERICAN COLLEGE, MADURAI

(An Autonomous Institution Affiliated to Madurai Kamaraj University)  
Re-accredited (2<sup>nd</sup> Cycle) by NAAC with Grade "A", CGPA – 3.46 on a 4-point scale

## Backlog Arrear Examination, March 2021

**MCA 5628**

**COMPUTER NETWORKS**

**Total Marks: 75**

**Time: 3 Hrs**

**Answer any five questions:**

**5 X 15 = 75**

1. Draw OSI Architecture and explain the layers of it in detail
2. Explain ARPANET, NSFNET and Internet.
3. Write in detail IEEE 802 LAN Standards.
4. Explain about Wireless Communication in detail.
5. Discuss Routing in detail and brief about Congestion avoiding mechanisms.
6. Elaborate Elements of transport protocols and Write short notes on Domain Name System
7. Explain in detail about SMTP and HTTP.