

AE-816

M.Sc. (Previous)
Term End Examination, 2016-17

COMPUTER SCIENCE

Advanced Computer Network

Time : Three Hours] [Maximum Marks : 100
[Minimum Pass Marks : 36

Note : Answer **all** questions. All questions carry equal marks.

- 1.** Explain any **five** of the following :
 - (a) Bipolar Line Coding
 - (b) SNR
 - (c) BPSK
 - (d) WDM
 - (e) Pulse amplitude modulation
 - (f) Bit rate and baud rate
 - (g) ADPCM
- 2.** Explain various wired and wireless transmission media in detail.

OR

(2)

(a) Explain various switching techniques with suitable diagram.

(b) Explain bridge and routers.

3. (a) Explain stop and wait protocol.

(b) What is ALOHA ? Explain.

OR

(a) What is static and dynamic channel allocation ? Explain.

(b) What is video on demand ? Explain.

4. (a) Compare TCP and UDP protocols.

(b) Explain SNMP and TFTP protocols.

OR

(a) Explain congestion control algorithm.

(b) Explain various classes of IP addresses.

5. Explain any **four** of the following :

(a) MANET

(b) Mobile IP

(c) DTN

(d) Cellular Network

(e) SDMA

(f) CDMA