B. C. S. E Third Year Second Semester 2021

Internet Technology

Class Test II Time- 30minutes **Full Marks-30**

Answer all Questions

1. What are the three classes of multimedia applications? Give 1 example each. 3
2. Compare between progressive download and adaptive streaming. 3
3. Does HTTP 2.0 help in multimedia streaming? Justify. 2
4. Which frames constitute a GoP and what are their purpose? 3
5. What is the significance of GoP for streaming applications? 2
6. Name one application each that uses push and pull based protocols. Justify your answer. 2
7. Compare between push and pull based applications when the server is hosted using some cloud service and the clients are smartphones. 3
8. What are the differences between Microsoft smooth streaming and Apple HTTP Live streaming? 4
9. UDP is not sufficient as a stand-alone transport protocol for multimedia streaming applications. -Give your justification. 3
10. Is there any relation between marker bit and payload type of an RTP header? 2
11. How is RTCP responsible for quality of experience as perceived by the user? 1
12. For an RTSP application, mention the different protocols associated with it and how many channels are established between the client and the server? 2