GBGS SCHEME USN Fifth Semester B.E. Degree Examination, Jan./Feb. 2021 **Computer Networks and Security** Time: 3 hrs. Note: Answer any FIVE full questions, choosing ONE full Module-1 (07 Marks) (08 Marks) a. What are the different transport services available to appli Explain HTTP request and response message format Write a note on FTP and discuss about FTP comman 2 a. What are the steps involved between client which are residing in the same server by us for base HTML file is http://www.xyz.edu.b. With a neat diagram and explain, explain server hierarchically. c. Illustrate how userl can send mai to user the server hierarchically. r to fetch 10 JPEG images, HTTP connection. The URL ndex. (07 Marks) will interact to various DNS (05 Marks) SMTP. 3 a. How multiplexing and denultip ss oriented will be performed at transport layer? b. Describe the varie and also explain about UDP checksum with an w control service by using different variables. (07 Marks) c. Explain ho (06 Marks) (07 Marks) ective repeat protocol. management is dor for three way handshake by the clie (07 Marks) Module-3 ain distance vector algorithm with an example. three switching techniques in a router. (06 Marks) (06 Marks plain link state algorithm with an example. (98 Marks) scribe the intra-AS routing protocol: RIP in detail. (96 Marks) cuss about uncontrolled flooding and controlled flooding in broadcast routing algorithm.

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7 a. Classify the different network attacks and explain denial of service attack.
b. What are the two different techniques used to protect network from attacks? Expla

c. Write the steps involved in Data Encryption Standard (DES) along

a. Explain key generation, encryption and decryption phases in R strate with (07 Marks)

b. Explain the technique involved in Hash function for au vith a diagram. (07 Marks) (06 Marks)

c. Discuss about packet filtering and proxy server with

a. What are the classification in multimedia networb. What are the two types of loss anticipation schere. What do you mean by a Jitter and how to read and adaptive play out delay? (07 Marks) lio by fixed (05 Marks)

 a. Explain the working of CDN.
 b. Explain about HTTP streaming in c. (08 Marks) g stored video.

