

Total No. of Questions – [3]

Total No. of Printed Pages: 1

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| G.R. No. | |
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| PAPER CODE | U222-213(ESE) |
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May 2022 (ENDSEM) EXAM
S.Y. B. TECH. (SEMESTER - II) AIDS
COURSE NAME: Fundamentals of Computer Networks
COURSE CODE: ADUA22203
(PATTERN 2020)

Time: [1Hr]

[Max. Marks: 30]

(* Instructions to candidates:

- 1) Figures to the right indicate full marks.
- 2) 'a' part of every question is compulsory
- 3) Use of scientific calculator is allowed
- 4) Use suitable data where ever required

- Q.1 a) Distinguish between Static routing and dynamic routing. [4]
- b) Describe the format of IPv4 datagram with the help of a diagram, [6]
 highlighting the significance of each field.
- OR**
- b) Discuss mechanism for smooth transition from IPv4 to IPv6 [6]
 address configured on its interfaces.
- Q2 a) Distinguish between connection oriented and connection less [4]
 Protocol.
- b) Express your views on TCP communication process model with [6]
 suitable example.
- OR**
- b) Discuss UDP Header & Draw block diagram of UDP Header, also [6]
 explain the roles & responsibilities of each field of UDP Header.
- Q.3 a) Elaborate importance of application layer protocol. [4]
- b) Which Layer of TCP/ IP Model handles responsibilities of session [6]
 and presentation layer. Also justify your answer with example
- OR**
- b) Discuss the File transfer Protocol (FTP) with a neat diagram. [6]