THAKUR COLLEGE OF
ENGINEERING & TECHNOLOGY
Autonomous College Affiliated to University of Mumbai
Approved by All India Council for Technical Education AICTE) and Government of Maharashtra (GoM)

END SEMESTER EXAMINATION, MAY 2023
S.T. SEMESTER IV (CBCGS-HME 2020)

Branch:	AI&DS	Q.P. Code:	T2415004-2
Subject:	Networking and web Technology	Duration:	2 hours
Subject Code:	PCC AIDS403	Max. Marks:	60

Instructions:
1. All sections are compulsory
2. Figures to the right indicate full marks.
3. Assume suitable data if necessary and state the assumptions clearly.

Section-I	Short Answer Questions (Answer any 05 questions out of 06) (Fundamental, Core Types)				(10 Marks)
Q. No.		Marks	CO	RBT Level	PI
1	Define Topology. Explain any three topology in detail.	2	CO1	R	1.1.1
2	Describe Socket Addressing	2	CO1	R	1.1.1
3	Explain internet and its impact on today word.	2	CO3	R	1.1.1
4	Explain design issues of data link layer.	2	CO2	U	1.3.1
5	Describe HTTP	2	CO4	U	1.3.1
6	Explain Repeater, Hub, switch, bridge, gateway.	2	CO2	U	1.3.1
Section-II	Descriptive Answer Questions (Answer any 04 out of 06) (Descriptive, Comprehension Types)				(20 Marks)
1	Compare ISO-OSI model with TCP/IP reference model. Which layer is used for the real word application problem	5	CO1	R	1.1.1
2	Draw and Label IP datagram	5	CO2	R	1.1.1

P.T.O.

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Conferred Autonomous Status by University Grants Commission (UGC) for 10 years w.e.f. JULY 2019-20
Amongst Top 200 Colleges in the Country, Ranked 191st in NIRF India Ranking 2019 in Engineering College category
Estd. in 2001

3	Illustrated ICMP With its layer	5	CO2	R	1.1.1
4	Differences between Transmission circuit vs packet switching	5	CO3	R	1.1.1
5	Explain Data link layer and its services	5	CO2	R	1.1.1
6	What is Inline styles? How you create an HTML form?	5	CO4	U	1.3.1

(30 Marks)

Section-III
Long Answer Question (Answer any 03 out of 05)
(Application, Analytical, Evaluation, Design Type)

1	Given the data word "1101011011" and the divisor "10011", show the generation of cyclic redundancy check (CRC) code word at the sender site.	10	CO2	AN	3.1.1
2	Wite a code for below table	10	Co4	AN	3.1.1

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|                    | adidas        |
| Puma               |---------------|
|                    | superdry      |
-------------------------------------
|            |       |       | jack&jones  |
| john player| biba  | bagit |-------------|
|            |       |       | peter england|
-------------------------------------
| us polo    | Global desi | levis | spykar |
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3	Explain java script with bulb on and off program	10	CO5	A	2.1.3
4	Discusses the notation ,representation and address spaces of Ipv6	10	CO4	U	1.3.1
5	Differences between connection less operations and connection oriented operation	10	CO3	R	1.1.1