



Sardar Patel Institute of Technology

Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai-400058, India

(Autonomous College Affiliated to University of Mumbai)

End Semester makeup Examination

July 2019

Max. Marks: 20

Class: T.E.

Course Code: OE1

Name of the Course: Consumer Electronics

Duration: 60 Min

Semester: VI

Branch: Electronics

Instruction:

- (1) All questions are compulsory
- (2) Assume suitable data if necessary
- (3) Question attempted in order fetch full marks

Q No.		Max. Marks	CO
Q.1	The Communication protocol with highest data rate is A. RS232 B. RS485 C. Zigbee <input checked="" type="checkbox"/> D. Ethernet	01	CO1
Q.2	Reassembling the even and odd field again is termed as A. Interlacing <input checked="" type="checkbox"/> B. Deinterlacing C. Both D. None	01	CO4
Q.3	What PAL system uses for effective transmission of chrominance signal A. Frequency modulation in each line B. Alternate field transmission in each line <input checked="" type="checkbox"/> C. Phase reversal in each line D. Digital encoding in each line	01	CO4
Q.4	The interface protocol requiring minimum number of pins for communication is A. RS232 B. RS485 <input checked="" type="checkbox"/> C. UART D. Zigbee	01	CO3
Q.5	Select the most highest resolution TV A. CRT B. LCD <input checked="" type="checkbox"/> C. LED D. None	01	CO2

Q.2	Describe the operation of the Pulse Oximeter with neat labelled diagram. OR Describe the Operation of SECAM Television standard.	05	CO5
Q.3	Describe the operation of Hi-Fi System with neat labelled diagram.	05	CO4
Q.4	Describe the operation of the Scanner used in the offices. OR How IRIS Scanner works. Explain atleast two advantages of IRIS Scanner over Finger Printing Scanner.	05	CO6

*** Best Wishes for your Examination ***