



Sardar Patel Institute of Technology
Bhavan's Campus, Munshi Nagar, Andheri (West), Mumbai-400058, India
(Autonomous College Affiliated to University of Mumbai)

Mid Semester Examination

Mar 2019

Max. Marks: 10

Class: T.E.

Course Code: OE1

Name of the Course: Consumer Electronics

Duration: 30 Min


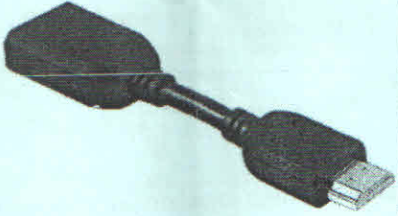
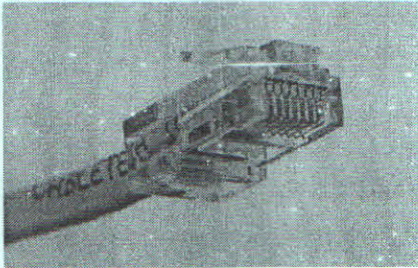
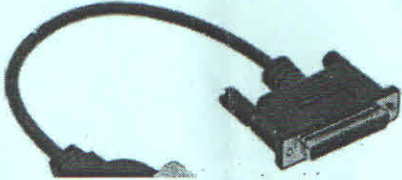
Semester: VI

Branch: Electronics

Instruction:

- (1) All questions are compulsory
- (2) Draw neat labelled diagrams
- (3) Assume suitable data if necessary

Q No.		Max. Marks	CO
Q.1	Choose the most appropriate option		
A.	The most important advantage RS232 interface achieve over RS485 interface by utilizing Differential signaling is a. Low Cost b. Higher data rates c. Multiple device communication d. Larger distance transmission	01	CO1
B	The advantage of I2C interface over SPI interface is a. Larger Distance b. Multiple Device interface capability without increasing number of pins c. Higher Bandwidth d. Improve Error Capability	01	
C	The advantage of LED/OLED display over LCD display is a. Less Power Consumption b. Smaller in size c. Costlier d. Both a and b	01	
D	The feather touch technology in the smart phones is achieved through a. Capacitive Touchscreen b. Resistive Touchscreen c. Infrared light Touchscreen d. Ultrasonic Touchscreen	01	
Q.2	How bio-potential is generated. Draw a neat labelled diagram of action potential curve OR Draw and explain typical Electro-Cardio Graph(ECG) waveform	04	CO5

Q.3	Identify and mention the most appropriate name for the connector shown in the figure		CO2
A.		0.5	
B.		0.5	
C.		0.5	
D.		0.5	