



Sardar Patel Institute of Technology

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

(Autonomous College Affiliated to University of Mumbai)

End Semester Examination

May/June 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	A. The three basic types of fingerprint pattern are: A. whorls, arches and accidentals. B. arches, loops and rings. C. whorls, accidentals and loops. D. loops, arches and whorls.	01	CO6
	B. Which of the following is not one of the features that must be present in order for a fingerprint pattern to be classified as a loop pattern? A. A ridge ending. B. A single delta. C. A core. D. A minimum ridge count of one.	01	CO6
	C. Identify all the E-commerce platforms A. Ebay B. Flipkart C. Amazon D. Skype E. Both A, B and C F. All	01	CO1
	D. Typical value of the resting potential is A. - 30 mV B. - 40 mV C. - 90 mV D. - 100 mV	01	CO5
	E. Consider the room in which user wish to turn on the ceiling Light simulataneously on both floor, The most appropriate switch in this scenario would be A. SPST B. DPST C. SPDT D. DPDT	01	CO3

Q.2	<p>Define the following terms with respect to respiratory measurements.</p> <p>A. Tidal Volume B. Expiratory Reserved Volume C. Inspiratory Reserved Volume D. Force Expiratory Volume in 1 sec (FEV1) E. Vital Capacity</p> <p>OR</p>	05	CO5
	Describe the operation of the PAL system with neat labelled diagram.	05	CO2
Q.3	<p>How Noise Cancelling headphones works in removal of outside noise. Mention operating principle of the two types of Noise Cancelling headphones available in market.</p> <p>OR</p>	3 + 2	CO4
	Describe the operation of Liquid Crystal Display in details.	05	CO3
Q.4	Explain the operating principle of Ink jet printer with neat labelled diagram.	05	CO6

*** Best Wishes for your Examination ***