

SUBJECT CODE NO:- P-213

FACULTY OF ENGINEERING AND TECHNOLOGY
B.E.(EC/ECT/ E&C) Examination MAY/JUNE-2016
Elective-I: Consumer Electronics (EC)
(Revised)

[Time: Three Hours]**[Max Marks:80]**

“Please check whether you have got the right question paper.”

N.B

- 1) Q. no 1 and Q. no 6 are compulsory.
- 2) Solve any two questions from remaining from section A and section B.
- 3) Assume suitable data if needed.

Section A

Q.1	Write a short note on <u>(any two)</u>	10
	a) Line current Harmonics	
	b) Video conferencing	
	c) DVD player	
Q.2	a) Explain android technology in detail. b) Define Dolby system? With the help of suitable diagram explain Dolby digital system.	08 07
Q.3	What is HDTV? Explain HDTV with the help of block diagram? Compare HDTV with normal TV. What are HDTV standards? State the advantages of HDTV.	15
Q.4	a) What are different faults in color TV receiver? How do you repair it Explain? b) What is DTH? With help of block diagram explain DTH receiver.	08 07
Q.5	a) What is the principle of operation of vacuum cleaner? Explain the electronic control in it? b) Draw the block diagram electric washing machine? Explain in detail.	07 08

Section B

Q.6	Write a short note on <u>(any two)</u>	10
	a) Photocopier	
	b) Water purifier	
	c) RF interference and immunity	
Q.7	a) Compare inject and LASER printers. b) What are types of scanners used to scan the image? Explain any one.	08 07
Q.8	a) Enlist the importance specifications of CD? b) With the help of block diagram explain the function of each block of ATM?	08 07
Q.9	a) Explain any one home automation system of your choice? Write its specification. b) Compare LED, incandescent lamp and CFL.	07 08
Q.10	a) What are the types of fire extinguishers? Explain in any one in detail? b) Explain the need of standards. What are their types? Explain any one standard required for product design.	08 07