

AU – 2673

Fifth Semester B. E. (Electronics Engineering) (CGS) Examination

**CONSUMER ELECTRONICS**

Paper – 5 FEXN 05

( USC – 10666 )

P. Pages : 3

Time : Three Hours ]

[ Max. Marks : 80

- Note :** (1) Separate answer book must be used for each section in the subject Geology, Engineering material of Civil branch and separate answer book must be used for Section A and B in pharmacy and Cosmetic Tech.
- (2) Answer **Three** questions from Section A and **Three** questions from Section B.
- (3) Due credit will be given to neatness and adequate dimensions.
- (4) Assume suitable data wherever necessary.
- (5) Illustrate your answer wherever necessary with the help of neat sketches.
- (6) Use pen of Blue/Black ink/refill only for writing the answer book.

**SECTION A**

1. (a) Give the classification of microphones. Explain any two in detail. 8
- (b) Explain :—
- (i) Equilizers and Mixers
- (ii) Electronic Music Synthesizers. 6

**OR**

2. (a) Explain in brief the speaker enclosures and its type. 7
- (b) What is acoustics ? Compare and contrast stereo and mono audio system. 7

3. Explain any **Two** :—

- (i) Plasma TV                      (ii) Digital TV                      (iii) HDTV 13

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**OR**

4. Explain any **Two** :—

- (i) TV Remote Control
- (ii) Video Telephone
- (iii) Video Conferencing.

13

5. Explain any **Two** :—

- (i) Xerox
- (ii) FAX
- (iii) EPABX

13

**OR** .....

6. Explain :—

- (i) Washing machine
- (ii) Air conditioner.

13

**SECTION B**

7. Explain any **Two** of the following :—

- (i) Disc recording and reproduction.
- (ii) Magnetic recording and reproduction.
- (iii) Video disc recording and playback.

13

**OR**

8. What are different types of distortion that can occur in recording and reproduction systems ? How they can be reduced ? Explain in detail.

13

9. Compare and contrast SMPS and UPS. Explain each in brief with neat sketches. 13

**OR**

10. Explain the following :—

(i) ATM

(ii) Barcode.

13

11. (a) Draw and explain vehicle proximity detection system. 7  
(b) What is the need of antilock braking system ? Explain in brief. 7

**OR**

12. (a) Write a short note on Calculator. 7  
(b) Explain car navigation system. 7



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