DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE

Supplementary End Semester Examination – Summer 2022

Course: B. Tech.   **Branch : E&TC**   **Semester : VII**

Subject Code & Name: BTETPE704A   Consumer Electronics

Max Marks: 60   **Date:24/08/2022**   **Duration: 3.45 Hr.**

Instructions to the Students:
1. *All the questions are compulsory.*
2. *The level of question/expected answer as per OBE or the Course Outcome (CO) on which the question is based is mentioned in ( ) in front of the question.*
3. *Use of non-programmable scientific calculators is allowed.*
4. *Assume suitable data wherever necessary and mention it clearly.*

		(Level/CO)	Marks
Q. 1	**Solve Any Two of the following.**		
A)	Explain block diagram and working of mobile handset	**Level 3**	**6**
B)	What are the features of Android?	**Level 4**	**6**
C)	With neat block diagram explain EPABX system	**Level 3**	**6**
Q.2	**Solve Any Two of the following.**		
A)	Explain following parameters of an Antenna. I. Gain II. Beam Width III. Antenna Efficiency	**Level 1**	**6**
B)	What are two modes of Video Conferencing System. Explain any four components of Video Conferencing System.	**Level 3**	**6**
C)	Explain Flying spot scanning system and Flying Sensor Method of FAX transmitter.	**Level 3**	**6**
Q. 3	**Solve the following.**		
A)	Explain the principle and working of air conditioner.	**Level 2**	**6**
B)	With neat block diagram working of Digital Calculator.	**Level3**	**6**
Q.4	**Solve Any Two of the following.**		
A)	What are the features of DVDs.	**Level 4**	**6**
B)	With neat block diagram explain working of Blue-Ray Disc Player.	**Level 3**	**6**
C)	What are the advantages of Blue-Ray Discs as a Medium of Storage of Information	**Level 4**	**6**
Q. 5	**Solve Any Two of the following.**		
A)	What Causes Harmonics in Electrical Power System? Explain common problems caused by Harmonics.	**Level 1**	**6**
B)	What are the advantages and disadvantages of LED lamp.	**Level 4**	**6**
C)	With neat block diagram explain the working of Electronic Voting Machine.	**Level 3**	**6**

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