**GOVERNMENT POLYTECHNIC, DAHOD**

**SEMESTER: 6th \_MID EXAM- SUMMER-2022**

Subject: C.E. (3361102) Time:3.30pm-4.30pm

Date: 23/2/2022 Enrolment no.:

Term: 212 Marks: 30

**Q.1: Attempt Any FOUR Questions. (8)**

1. Define Hue and Saturation.
2. What are the types of washing machine?
3. Define Aspect ratio & persistence of vision.
4. Write any two advantages of microwave cooking.
5. What is Flicker? How it can be removed?
6. What is difference between in Optical Zoom and digital zoom?

**Q.2: Attempt any TWO Questions. (6)**

1. Explain additive mixing of colors using color circle diagram & grassman’s law.

2. Draw and explain refrigeration cycle.

3. Write short note on plasma TV.

OR

Explain LCD TV with block diagram.

**Q.3: Attempt any Four Questions. (16)**

1. Explain in brief the various component of composite video signal with sketch.

OR

Define interlace scanning. Draw scanning sequence lines of one frame for interlace scanning.

1. Draw only block diagram of PAL-D color TV receiver.

3. Draw and Explain block diagram of All – Air Conditioning System.

OR

Explain the basic principle of microwave oven with necessary block diagram.

4. Draw and explain block diagram of washing machine.

OR

Write short note on Fuzzy logic washing machine.

------------------------------------------BEST OF LUCK ----------------------------------