**GOVERNMENT POLYTECHNIC, DAHOD**

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

Subject: C.E. (3361102) Time:11am-12pm

Date: 29/4/2022 Enrolment no.:

Term: 212 Marks: 30

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

1. Define Luminance and Chrominance.
2. What are the types of Microwave oven?
3. Explain Aspect ratio in brief.
4. Explain washing cycle.
5. Define Horizontal resolution.
6. What is difference between in Optical Zoom and digital zoom?

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

1. Explain color theory using Grassman’s Law .

2. Draw and explain block diagram of washing machine.

3. Write short note on LCD TV.

OR

Write short note on LED TV.

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

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

OR

Describe Horizontal and Vertical progressive scanning process with the help of

suitable sketch.

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

3. Explain components of AC system & features of air conditioners.

OR

Explain working of refrigerator in brief.

4. Explain working of microwave oven with necessary diagram

OR

Write short note on Fuzzy logic washing machine.

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