**GOVERNMENT POLYTECHNIC, DAHOD**

**SEMESTER: 6th \_MID EXAM- SUMMER-2021**

Subject: C.E. (3361102) Time:12.00pm-1.00pm

Date: 16/4/2021 Enrolment no.:

Term: 202 Marks: 30

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

1. Define Luminance & chrominance for Color TV System.
2. Explain washing cycle.
3. Define Aspect ratio & persistence of vision.
4. What are the types of microwave ovens?
5. Give the full name of HDMI & SDI.
6. What is difference between in Optical Zoom and digital zoom?

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

1. Define interlace scanning. Draw scanning sequence lines of one frame for interlace scanning.
2. Write short note on plasma TV.
3. Draw and explain block diagram of Microwave oven.
4. Draw and explain refrigeration cycle.

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

1. Draw block diagram of copier machine & state only steps of its working.
2. Explain in brief the various component of composite video signal with sketch.
3. Explain LCD TV with block diagram.
4. Explain additive mixing of colors using color circle diagram & grassman’s law.
5. Explain the basic principle of microwave oven with necessary block diagram.
6. Draw and Explain block diagram of All – Air Conditioning System.

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