**GOVERNMENT POLYTECHNIC, DAHOD**

**SEMESTER: 6th \_MID EXAM- SUMMER-2020**

Subject: C.E. (3361102) Marks: 30 Time:3.00pm-4.00pm

Date: Enrolment no:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

1. What is Flicker? How it can be removed?
2. List basic characteristics of sound signal.
3. List different types of loud speaker.
4. What is Interlace scanning?
5. Give the full name of HDMI & SDI.
6. State advantages of CRT over LCD screen.

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

1. Give the difference between monochrome and color TV camera tube.
2. Draw and explain working of carbon microphone.
3. Explain Precision In Line (PIL) color picture tube.
4. Explain in brief how the chrominance signal is obtained.

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

1. Explain in brief the various component of composite video signal with sketch.
2. Define hue, brightness, saturation and persistence of vision.
3. Explain woofer.
4. Explain LCD TV with block diagram.
5. Explain additive mixing of colors using color circle diagram & grassman’s law.
6. Draw and explain block diagram of PAL-D color TV receiver.

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