



Government Girls' Polytechnic, Bilaspur

Name of the Lab: **Communication Lab**

Practical: **Television Engineering Lab**

Class : **6th Semester (ET&T)**

Teachers Assessment: 10 End Semester Examination: 40

List of Experiments

1. Familiarization with consumer and technician control & safety precautions.
2. Identify different components and section in TV receiver (black & white and Color).
3. Study of signal injection and signal tracing in black & white and Color TV.
4. Voltage and frequency measurements of a signal.
5. Alignment of RF, VIDIF and SIF sections.
6. Study of composite video signal.
7. Colour TV adjustments using: gray scale tracking, Colour killer, focus, chroma traps, sound traps, saturation control, black level.
8. Familiarization with specification, operation and use of TV set equipment, DVM, TVM, Monochrome & Colour pattern generators, sweep generator, X-Y display wobbuloscope etc.
9. Testing of TV antenna and booster.
10. Troubleshooting of VCRs for simple faults.
11. Study of multimedia and animation.
12. Use of various video cameras and their controls.