

Reduced Syllabus Of Vocational Subject Class 10 Electronics & hardware: 2020-21

Topics to be covered(Theory+Practical)	Topics to be reduced	Reason for reduction
<p>1.Electrical components and Motor: INTRODUCTION, NEED FOR OVER CURRENT PROTECTION DEVICES - OVERCURRENT PROTECTIVE DEVICES- Fuse and Its Working Principle , identify parts of fuse, rating, relay,types of relay, identify parts of relay,circuit breaker, parameters of circuit breaker, Electric & magnetic field, Electromagnetic Induction,Fleming Left Hand Rule, Lenz's law, winding, single phase supply system , Motor and Its Working principle, Motor Types, RPM of motor, special motor-universal motor.</p>	<p>Lists of equipments using relay for circuit production,different parts of circuit breaker's relay, Flemings's right hand rule,Lorentz law,experiment to show Electromagnetic Induction, demonstrate right hand rule, servo motor,identify the gauge of winding wire,dismantle the motor and identify the different parts of motors and the specifications, measure the rpm.</p>	<ul style="list-style-type: none"> • Practical not possible due to covid-19. • Can be covered with other topics later.
<p>2. Repair and Maintenance of Mixer, Juicer, grinder: Identify faults in mixer, juicer, grinder on the basis of symptoms, Replace dysfunctional module in mixture,juicer,grinder, confirmed functionality of repaired mixer/juicer/ grinder.</p>	<p>Other products of the company, Demonstrate the cleaning procedure.</p>	<ul style="list-style-type: none"> • Covered under parent topic, repeated . • Practical not possible due to covid-19.
<p>3. Repair and Maintenance of Microwave oven- Identify faults in microwave oven on the basis of symptoms, Replace dysfunctional module in microwave oven, confirm functionality of prepared microwave oven</p>	<p>Components / modules of different microwave oven,cleaning process of microwave oven.</p>	<ul style="list-style-type: none"> • Less important compared to other topics.
<p>4. Workplace Health & safety measures: Electrical hazard, Fire extinguisher, first aid for electrical emergency, Use of different safety equipments.</p>	<p>Chemical hazards</p>	<ul style="list-style-type: none"> • Already covered in class 9.