

**Subjectwise Tests**

Test No.	Test Name	Start Date	Topics Covered	Total Questions	Duration	Total Marks
1	<b>Subjectwise Test-01</b> Basics of Measuring Instruments	24-06-2018	Electrical shop measurements such as ammeter, voltmeter, charge meter, insulation tester, Energy meter and their principles of working, Mechanical shop measurement instruments, Linear and angular measurements, Straight flatness roundness measurement	75	90 Minutes	75
2	<b>Subjectwise Test-02</b> Basics of Diodes and Transistor	01-07-2018	Junction transistor, Junction diodes, Equivalent Circuits, Common emitter equivalent circuits	75	90 Minutes	75
3	<b>Subjectwise Test-03</b> Network Theory	08-07-2018	Electric circuits, Circuit Law, Principal of Superposition, Thevenin's Theorem, Introduction to periodic function, Series and parallel connection in steady AC, Circuit having Induction, Resistance and Capacitance	75	90 Minutes	75
4	<b>Subjectwise Test-04</b> Basics of Electrical Machines	08-07-2018	Magnetic effect of an electric current, Magnetic Circuits, Ideal transformer, Transformer as a circuit element, Electromagnetic energy conversion, DC motors and Generator performance, AC motors and Generator performance	75	90 Minutes	75
5	<b>Subjectwise Test-05</b> Heat & Mass Transfer	15-07-2018	Production of heat through single and multi-layers bodies including wells and cylinders, Natural forced Convection Heat Transfer, Concept of Thermal Boundary Layer, Stefan Boltzmann, Law of radiation, Kirchoff law, Concepts of black and grey bodies	75	90 Minutes	75
6	<b>Subjectwise Test-06</b> Thermodynamics	15-07-2018	Thermodynamic Process, First and second law of Thermodynamics, Carnet cycle, Rankine cycle, Otto cycle, Diesel cycle	75	90 Minutes	75

**Full Length Tests**

Test No.	Test Name	Start Date	Topics Covered	Total Questions	Duration	Total Marks
7	Full Length Test-01	22-07-2018	Full BPSC Syllabus	150	180 Minutes	150
8	Full Length Test-02	29-07-2018	Full BPSC Syllabus	150	180 Minutes	150
9	Full Length Test-03	05-08-2018	Full BPSC Syllabus	150	180 Minutes	150
10	Full Length Test-04	12-08-2018	Full BPSC Syllabus	150	180 Minutes	150