

**INDIRA TECHNICAL EDUCATION SOCIETY,  
NASHIK**

**ADVANCE DIPLOMA MECHANICAL ENGINEERING SERVICES  
(ADMES)**

<b>THEORY PAPER I :</b>	Syllabus for this paper is same as Certificate Course in FITTER [ F ] Refer this syllabus booklet Page No. _____	100 Marks
<b>THEORY PAPER II :</b>	Syllabus for this paper is same as Certificate Course in DIPLOMA MECHANICAL ENGG. SERVICES [ DMES – II ] Refer this syllabus booklet Page No. _____	100 Marks
<b>THEORY PAPER III :</b>	Syllabus for this paper is same as Certificate Course in MECHANICAL DRAUGHTSMAN [ MD – II ] Refer this syllabus booklet Page No. _____	100 Marks
<b>THEORY PAPER IV :</b>	Syllabus for this paper is same as Certificate Course in DIPLOMA MECHANICAL ENGG. SERVICES [ DMES – IV ] Refer this syllabus booklet Page No. _____	100 Marks
<b>THEORY PAPER V :</b>	Theory syllabus for this Diploma Paper V is Printed below.	100 Marks
<b>PRACTICAL :</b>	Practical syllabus for this is same as [ DMES ] Sessional Drawing marks ( Internal ) Sessional Job work ( Internal )	100 Marks 50 Marks 50 Marks <b>Total ( 700 Marks )</b>



**( ADMES - PAPER – V )**

**THEORY SYLLABUS**

- MECHANICAL WORKING OF METALS :** Hot working, hot rolling, tubing, drawing, hot spinning, cold working, cold rolling, bending, spinning, sizing, coining and hobbing.
- SMITHING AND FORGING :** Forging materials, temperature, hand tools appliances, operations, examples, processes, effects, defects of forging, advantages and limitations, Soldering, brazing, welding joints.
- PATTERN MAKING AND FOUNDRY :** Pattern materials, types, allowances, methods of construction of patterns, foundry tools & equipments, types of moulding, moulding processes, casting defects.
- POWDER METALLURGY :** Introduction, sintering, fusion of metal powders, products of powder metallurgy, advantage, disadvantage and limitations.
- PLASTICS AND THEIR PROCESSING :** Types, materials, processing moulding, casting and machining of plastics.

