DIPLOMA IN AGRICULTURAL ENGINEERING

CENTRALIZED QUESTION BANK

1023234520 - FLUID MECHANICS PRACTICAL

DIRECTORATE OF TECHNICAL
EDUCATION GOVERNMENT OF
TAMILNADU

SUBJECT CODE: 1023234520   **COURSE CODE: 1023**

SUBJECT NAME:FLUID MECHANICS PRACTICAL   **SEMESTER: IV**

MAX MARKS: 100

ANSWER ANY ONE QUESTION:

1. **Part A**   Verification of Bernoulli's Theorem.

   Part B   Conducting performance test on Centrifugal pump.

2. **Part A**   Determination of coefficient of discharge of a venturimeter

   Part B   Conducting performance test on Reciprocating pump.

3. **Part A**   Determination of coefficient of discharge of an orifice meter.

   Part B   Make suitable hydraulic circuit for direct operation of a hydraulic motor.

4. **Part A**   Determination of coefficient of discharge through flow measuring devices like orifice by constant head or variable head method.

   Part B   Make suitable hydraulic circuit of metering in or metering out connection using the double acting reciprocating cylinder with flow regulator, control valve and check valve.

5 **Part A**   Determination of friction factor of the given pipe.

   Part B   Make suitable hydraulic circuit for direct operation of a hydraulic motor.

Allocation of Marks

Sl. No	Description	Marks
1	Aim and procedure Part A & Part B	20
2	Tabulation & formulae Part A & Part B	20
3	Observation Part A & Part B	20
4	Calculation Part A & Part B	20
5	Result	10
6	Viva Voce	10
	Total	**100**