

# LESSON PLAN

| Period | Date<br>(Tentative) | Topic  | Unit<br>No. | Teaching<br>Methodology | Remarks | Corrective Action<br>Upon Review |
|--------|---------------------|--|-------------|-------------------------|---------|----------------------------------|
|        | 6-8-15              | Def of D.E., Formulation<br>and Solution of D.E.   | I           | POGIL                   |         |                                  |
|        | 6-8-15              | Variable // Separation of<br>Variables method Problem.   | "           | CR                      |         |                                  |
|        | 11-8-15             | Particular, above methods  | "           | CR                      |         |                                  |
|        | 11-8-15             | Exact D.E. & Problems.   | "           | CR                      |         |                                  |
|        | 13-8-15             | Non Exact D.E. // Integrating<br>factor  | "           | CR                      |         |                                  |
|        | 13-8-15             | Homogeneous method.<br>// Method = I.F   | "           | POGIL                   |         |                                  |
|        | 18-8-15             | By inspection method & $y = vx$<br>Method & $\frac{1}{x^2} = I.F$                                  | "           | CR                      |         |                                  |
|        | 18-8-15             | $I.F = \frac{1}{x^n} \left( \frac{dx}{x} \right)$<br>$= \frac{1}{x^n} \left( \frac{dx}{x} \right)$ | "           | PPT                     |         |                                  |
|        | 20-8-15             | Problems on above methods  | "           | PPT                     |         |                                  |
|        | 20-8-15             | Linear D.E. & Problems.  | "           | CR                      |         |                                  |
|        | 25-8-15             | Bernoulli's method &<br>Problems.  | "           | CR                      |         |                                  |
|        | 28-8-15             | Problems on above methods  | "           | CR                      |         |                                  |
|        | 29-8-15             | O.T. of Problems.  | "           | PPT                     |         |                                  |
|        | 1-9-15              | Mixtures law of cooling<br>Problems.   | "           | POGIL                   |         |                                  |
|        | 01-9-15             | Natural Growth & Decay<br>problem  | "           | CR                      |         |                                  |
|        | 01-9-15             | Radio active disintegration<br>& Problems.   | "           | CR                      |         |                                  |
|        | 3-9-15              | Higher order D.E., Solution<br>form of Complex fcn   | II          | POGIL<br>CR             |         |                                  |
|        | 3-9-15              | Solution of Complex fcn  | "           | CR                      |         |                                  |
|        | 8-9-15              | P.D. = $\frac{1}{x^n}$ Q.D. & Problem  |             |                         |         |                                  |



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|        | 15-9-15          | P.I = $\frac{1}{f(x)} \cdot \frac{d}{dx} \left( \frac{1}{f(x)} \right) \cdot \cos x$ Problems | I        | CL                   |         |                               |
|        | 15-9-15          | P.I = $\frac{1}{f(x)} \cdot e^{ax} V(x)$ problems   | "        | CL                   |         |                               |
|        | 17-9-15          | P.I = $\frac{1}{f(x)} \cdot m V(x)$ problems  | "        | CL                   |         |                               |
|        | 17-9-15          | Problems related about Methods.   | "        | PPT                  |         |                               |
|        | 22-9-15          | LCR Circuits, Simple Harmonic Motion.   | I        | PPT                  |         |                               |
|        | 22-9-15          | LCR Circuits, Simple Harmonic Motion.   | "        | PPT                  |         |                               |
|        | 24-9-15          | Partial derivative of problems.   | III      | CL                   |         |                               |
|        | 24-9-15          | Chain rule of problems.   | "        | PPT                  |         |                               |
|        | 28-9-15          | Mean Value theorem for Simple variables of problems.  | "        | CL                   |         |                               |
|        | 28-9-15          | Taylor series of problems.  | "        | CL                   |         |                               |
|        | 01-10-15         | Maclaurin series of problems.   | "        | CL                   |         |                               |
|        | 01-10-15         | Function dependent problems.  | "        | CL                   |         |                               |
|        | 06-10-15         | Jacobian of Problems.   | "        | CL                   |         |                               |
|        | 06-10-15         | Max. & Min of Two Variables with constraint.  | "        | PPT                  |         |                               |
|        | 08-10-15         | Max. & Min of Two Variables without constraint.   | "        | PPT                  |         |                               |
|        | 08-10-15         | App. of Integration, Leibniz  | IV       | PPT                  |         |                               |
|        | 13-10-15         | Volume of Surfaces of revolution in Cartesian form.   | "        | CL                   |         |                               |
|        | 13-10-15         | Volume of Surfaces of revolution in Polar form.   | "        | CL                   |         |                               |
|        | 20-10-15         | Multiple integrals Line / double integrals.   | "        | CL                   |         |                               |
|        | 20-10-15         | Triple integrals of problems.   | "        | CL                   |         |                               |



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|        | 22-10-15         | order of change of Intensity<br>containing focus | 1        | POGIL                |         |                               |
|        | 23-10-15         | Problem on O.C.I                                 | 1        | CL                   |         |                               |
|        | 25-10-15         | O.C.I Polar body<br>of problems.                 | 1        | CL                   |         |                               |
|        | 29-10-15         | Moment of Inertia                                | 1        | PPS                  |         |                               |
|        | 03-11-15         | Problems related to<br>above topics              | 1        | CL                   |         |                               |
|        | 03-11-15         | Vector Diff. Definitive<br>Gradient/divergence   | 1        | POGIL                |         |                               |
|        | 05-11-15         | Problem on divergence<br>curl define             | 1        | CL                   |         |                               |
|        | 05-11-15         | Problem on curl &<br>vector identities           | 1        | CL                   |         |                               |
|        | 10-11-15         | vector identities.                               | 1        | CL                   |         |                               |
|        | 10-11-15         | Line Integral worked<br>problems.                | 1        | CL                   |         |                               |
|        | 12-11-15         | Potential function/area<br>problem.              | 1        | CL                   |         |                               |
|        | 12-11-15         | Surface volume integral<br>of problems           | 1        | CL                   |         |                               |
|        | 17-11-15         | Gauss theorem, problem                           | 1        | PPS<br>CL            |         |                               |
|        | 17-11-15         | Problem on Gauss theorem                         | 1        | CL                   |         |                               |
|        | 19-11-15         | Green's theorem of problem                       | 1        | PPS<br>CL            |         |                               |
|        | 19-11-15         | Stokes theorem of problem                        | 1        | PPS<br>CL            |         |                               |
|        | 24-11-15         | Problem on above<br>theorems                     | 1        | CL                   |         |                               |
|        | 24-11-15         | Problem on above<br>theorems.                    | 1        | CL                   |         |                               |
|        | 26-11-15         | Revision   | 1        | CL                   |         |                               |
|        | 26-11-15         | Revision.  | 1        | CL                   |         |                               |