**Expert ID/Name: Nstructive**

**Date: 10-Nov-2020**

**C:\Users\chari\Desktop\48.PNG**

**Answer:**

|  |
| --- |
| Short answer type question. |

|  |
| --- |
| Tips:  1. Recall the method of solving the homogeneous differential equation.  2. |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Given: Differential equation is  To find: General solution of differential equation  Explanation: -  Step1:   |  |  | | --- | --- | | Instruction: | Make the subject as | | Calculation: | Given differential equation is |   Step2:   |  |  | | --- | --- | | Instruction: | 1. Clearly it is a homogeneous equation. 2. follow the method of solving the homogeneous differential equation. | | Calculation: |  |   Step3:   |  |  | | --- | --- | | Instruction: | Apply the integration on both sides. | | Calculation: |  | |
| Verified Answer: - General solution of differential equation is .  Hence, verified. |