**Expert ID/Name: Nstructive**

**Date: 10-Nov-2020**

**C:\Users\chari\Desktop\47.PNG**

**Answer:**

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| Short answer type question. |

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

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| Given: Differential equation is  To find: General solution of the given differential equation.  Explanation: -  Step1:   |  |  | | --- | --- | | Instruction: | Make subject as in | | 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. |