**Expert ID/Name: Nstructive**

**Date: 09-Nov-2020**

**C:\Users\chari\Desktop\6-9.PNG**

**C:\Users\chari\Desktop\6.PNG**

**Answer:**

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| Answer for Short / Simple / Direct Question |

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| Tip:  1. Separate the terms of .  2. Apply the integration on both sides.  3. Recall the substitution method of integration. |

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| Explanation: -  Given: differential equation is  To find: The general solution of differential equation is  Explanation:  Step 1:   |  |  | | --- | --- | | Instruction | Separate the terms dy and dx. | | Calculation |  |   Step2:   |  |  | | --- | --- | | Instruction | Apply the integration on both sides and follow the substitution method. | | Calculation | Now, In  Put |     Step 3:   |  |  | | --- | --- | | Instruction | Substitute the value of in and simplify. | | Calculation | Which is the required general solution of differential equation. | |
| Verified Answer: - general solution of differential equation  is.  Hence, verified. |