**Expert ID/Name: Nstructive**

**Date: 10-Nov-2020**

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| Answer for Short / Simple / Direct Question |

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| **Tips:**  1 .Integrating factor of  is .  2. |

**Answer:**

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| Given :  To find: Integrating factor of  Explanation: -  Step1:   |  |  | | --- | --- | | Instruction: | Convert the given differential equation into the form of | | Calculation: | Given differential equation is      Compare with |   Step 2:   |  |  | | --- | --- | | Instruction: | 1. Integrating factor of  is .  2. | | Calculation: | Hence, IF of is. |   Step3:   |  |  | | --- | --- | | Instruction: | General solution of is | | Calculation: | Hence general solution of is | |
| Verified Answer: -Hence verified. |