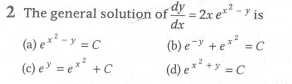
**Expert ID/Name: Nstructive**

**Date: 06-Nov-2020**



**Answer:**

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| MCQ Type Answers |
| Choices |

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| Tips:  1 .Separate the terms dy and dx.  2 .Apply the integration on both sides.  3 .Recall the standard integration formulae and substitution method of integration. |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Correct Answer: (c)  Given : Differential equation is  To find: General solution differential equation is  Explanation:  Step 1:   |  |  | | --- | --- | | Instruction | Separate the terms dy and dx. | | Calculation |  |   Step 2:   |  |  | | --- | --- | | Instruction | Apply the integration on both sides and follow the substitution method. | | Calculation | In  put      Now, |   Step 3:   |  |  | | --- | --- | | Instruction | Substitute in and simplify. | | Calculation |  | |

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| Final answer:  i.e. The general solution of is |