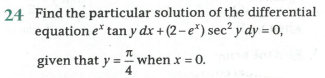
**Expert ID/Name: Nstructive**

**Date: 09-Nov-2020**

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**Answer:**

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| Answer for Short / Simple / Direct Question. |

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| Tips:  1. Separate the terms of.  2. Apply the integration on both sides. |

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Given: differential equation is  To find: The - Particular solution of differential equation is  Explanation: -  Step 1:   |  |  | | --- | --- | | Instruction | Separate the terms dy and dx. | | Calculation |  |     Step2:   |  |  | | --- | --- | | Instruction | Apply the integration on both sides. | | Calculation | In  Therefore, . . |   Step3:   |  |  | | --- | --- | | Instruction | Use the formula: | | Calculation | In  Therefore,    . |   Step 4:   |  |  | | --- | --- | | Instruction | Substitute the values  inand simplify. | | Calculation | Therefore, particular solution is  .  Which is the required particular solution of given differential equation. | |
| Verified Answer: - Particular solution of differential equation  is .  Hence, verified. |