**Expert ID/Name: Nstructive**

**Date: 20-Nov-2020**

**C:\Users\chari\Desktop\14.PNG**

|  |
| --- |
| Answer for Short / Simple / Direct Question |

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

**Answer:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Given :  To find: Particular solution of ,  Explanation: -  Step1:   |  |  | | --- | --- | | Instruction: | Compare the given differential equation with | | Calculation: | Given differential equation is    Compare with |   Step 2:   |  |  | | --- | --- | | Instruction: | 1. Integrating factor of is.  2. | | Calculation: | Hence, IF of is. |   Step3:   |  |  | | --- | --- | | Instruction: | 1.General solution of is | | Calculation: | Now, Put in    Hence, Solution is | |
| Verified Answer: -Hence verified. |