**Expert ID/Name: Nstructive**

**Date: 04-Nov-2020**

**C:\Users\chari\Desktop\q3.PNG**

**Answer:**

|  |
| --- |
| MCQ Type Answers |
| Choices |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  | | --- | | Tips: | | 1. In a differential equation, if there are “n”number of arbitrary constants the we need to do the differentiation in “n” number of times.  2.  3. |   Correct Answer:  (b)  Given:  To find\determine\prove: Form the differential equation of.  Step 1:   |  |  | | --- | --- | | Instruction | Differentiate the differential equation  with respect to “ ”. | | Calculation |  |   Step :   |  |  | | --- | --- | | Instruction | Again differentiate the differential equation with respect to “ ” and take out is common and then substitute write instead of . | | Calculation |  | |

|  |
| --- |
| Final Answer  Option-(b) is correct. |