**Expert ID/Name: Nstructive**

**Date: 04-Nov-2020**

**C:\Users\chari\Desktop\q4.PNG**

**Answer:**

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| MCQ Type Answers |

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| Choices   1. 1 2. 2 3. 3 4. 4 |
| Tips: |
| 1. In an equation, if there are“n”number of arbitrary constants then we need to do the differentiation in “n” number of times.  2. **Degree of the differential equation**: The highest power (positive integral index) of the highest order derivative involved in differential equation, when it is written as the polynomial in derivatives. |

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| Correct Answer:  (c)  Explanation:  Given,  To find : The degree of differential equation of  Explanation:   |  |  | | --- | --- | | Instruction | Differentiate the equation  with respect to “ ” and substitute the value of in . | | Calculation | Therefore,  Hence, The degree of given differential equation is . | |

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