**Expert ID/Name: Nstructive**

**Date: 4-Nov-2020**

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| Very Short Answer Questions |

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**Answer:**

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| Given : differential equation is  To find : The order and degree of the differential equation  Explanation:-  **Order is the highest derivative occurring in the differential equation.**  **Degree is the highest order derivative in the differential equation** |
| Step :   |  |  | | --- | --- | | Instruction | Remove the integral sign by differentiating it with respect to “x”. | | Calculation |  |   Step 2:   |  |  | | --- | --- | | Instruction | **Order is the highest derivative occurring in the differential equation.**  **Degree is the highest order derivative in the differential equation** | | Calculation | In , highest order derivative is .  Therefore, Order of  is.  The power of  is.  So, degree of  is. | |
| Verified Answer:-  Order =  Degree= |