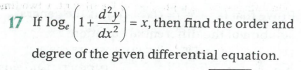
**Expert ID/Name: Nstructive**

**Date: 5-Nov-2020**



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| Very Short Answer Questions |

**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 1:   |  |  | | --- | --- | | Instruction | Remove the log by using the formula . | | 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 |