**Expert ID/Name: Nstructive**

**Date: 4-Nov-2020**

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| Very Short Answer Questions |

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C:\Users\chari\Desktop\10.PNG

**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 | **Order is the highest derivative occurring in the differential equation** | | Calculation | In this differential equation, highest order derivative is .  Order of  is. |   Step :   |  |  | | --- | --- | | Instruction | **Degree is the highest order derivative in the differential equation. If**  **It is not a polynomial differential equation then its degree is not**  **defined.** | | Calculation | is not a polynomial equation.  Degree of  is not define. | |
| Verified Answer:-  Order  Degree is not defined . |