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| **Text  Description automatically generated** | | |
| **Set** | | |
| **PERIODIC TEST 3 (2021-22)** | | |
| **Subject:Mathematics Answer Key** Grade: 12 | | |
|  | **SECTION A** | |
| **1** |  | |
| **2** | (i) Order 2 degree 2  (ii) Order2 degree not defined | |
| **3** | (x+1) log (x+1)- x + C | |
| **4** |  | |
| **5** | Diagram, schematic  Description automatically generated | |
| **6** | I.F. is    Solution | |
| Section B | | |
| **7** |  | |
| **8** | I = 1/40 | |
| **9.** |  | |
| **SECTION C** | | |
| **10** | |  |
| **11.** | | Put x 2= t  Integrate by parts , taking sin -1t as first function  I = |
| **Section D** | | |
| **12.** | | , |
| **13** | |  |