

**FIRST INFORMATION REPORT 2045**

First Information of a cognizable crime reported under section 154 Cr. P.C. at P.S.

District Chandigarh Sub-Division Chandigarh P.S. Chandigarh Year 2023 FIR No. 2045 Date 06/11/23  
 Act Section 420 Sections 420 Act Section 420 Sections 420  
 Other Act Section 420 Sections 420 Other Acts & Sections Section 420  
 at General Diary Reference Entry No. 100 Time 10:30  
 Occurrence of Offence Day 06/11/23 Date 06/11/23 Time 10:30  
 Information of Offence Day 06/11/23 Date 06/11/23 Time 10:30  
 D.D. No. 100 at the Police Station.  
 1. Type of Information: Written / Oral Written  
 2. Place of Occurrence: at Direction and Distance from P.S. at Chandigarh  
 Address Chandigarh Beat No. 100  
 3. In case out of limit of this Police Station, then the name of  
 P.S. Chandigarh District Chandigarh  
 Complainant Information  
 a) Name Mr. 100  
 b) Father's / Husband's Name Mr. 100  
 c) Date / Year of Birth 10/10/20  
 d) Nationality Indian  
 e) Address Chandigarh  
 Details of known / suspected / unknown / accused with full particulars Section 420  
 (attach separate sheets, if necessary) 100  
 4. Reasons for delay in reporting by the Complainant / informant 100  
 5. Other documents / photographs / Attach separate sheets, if required; 100  
 6. Total value of properties stolen / involved 100  
 7. Inquest report / U.D. Case No. if any 100  
 8. F.R. numbers (Attach separate sheets, if required) 100  
 9. Action taken: Since the above report reveals commission of offence(s) u/s 100  
 10. Registered the case and took up investigation / directed 100 to take up the investigation / transferred  
 to P.S. Chandigarh on point of jurisdiction FIR read over to the Complainant / informant  
 admitted to be correctly recorded and a copy given to the Complainant / informant free of cost.  
 Signature of the Officer-in-Charge, Police Station  
 Name 100  
 Rank 100  
 Number if any 100  
 11. Thumb impression of Complainant / informant 100

1. The first part of the paper is devoted to the study of the properties of the function  $f(x)$  defined by the equation

$$f(x) = \sum_{n=0}^{\infty} \frac{a_n}{n!} x^n$$

where

the coefficients  $a_n$  are defined by the recurrence relation  $a_{n+1} = \frac{a_n}{n+1}$  and  $a_0 = 1$ . It is shown that the function  $f(x)$  is entire and that its Taylor series converges to  $f(x)$  for all  $x$ . The function  $f(x)$  is also shown to be the unique solution of the differential equation  $y' = -y$  with the initial condition  $y(0) = 1$ . The function  $f(x)$  is then shown to be the exponential function  $f(x) = e^{-x}$ . The second part of the paper is devoted to the study of the properties of the function  $g(x)$  defined by the equation  $g(x) = \sum_{n=0}^{\infty} \frac{b_n}{n!} x^n$  where the coefficients  $b_n$  are defined by the recurrence relation  $b_{n+1} = \frac{b_n}{n+1}$  and  $b_0 = 1$ . It is shown that the function  $g(x)$  is entire and that its Taylor series converges to  $g(x)$  for all  $x$ . The function  $g(x)$  is also shown to be the unique solution of the differential equation  $y' = y$  with the initial condition  $y(0) = 1$ . The function  $g(x)$  is then shown to be the exponential function  $g(x) = e^x$ .

2. The third part of the paper is devoted to the study of the properties of the function  $h(x)$  defined by the equation  $h(x) = \sum_{n=0}^{\infty} \frac{c_n}{n!} x^n$  where the coefficients  $c_n$  are defined by the recurrence relation  $c_{n+1} = \frac{c_n}{n+1}$  and  $c_0 = 1$ . It is shown that the function  $h(x)$  is entire and that its Taylor series converges to  $h(x)$  for all  $x$ . The function  $h(x)$  is also shown to be the unique solution of the differential equation  $y' = -y$  with the initial condition  $y(0) = 1$ . The function  $h(x)$  is then shown to be the exponential function  $h(x) = e^{-x}$ .

3. The fourth part of the paper is devoted to the study of the properties of the function  $k(x)$  defined by the equation  $k(x) = \sum_{n=0}^{\infty} \frac{d_n}{n!} x^n$  where the coefficients  $d_n$  are defined by the recurrence relation  $d_{n+1} = \frac{d_n}{n+1}$  and  $d_0 = 1$ . It is shown that the function  $k(x)$  is entire and that its Taylor series converges to  $k(x)$  for all  $x$ . The function  $k(x)$  is also shown to be the unique solution of the differential equation  $y' = y$  with the initial condition  $y(0) = 1$ . The function  $k(x)$  is then shown to be the exponential function  $k(x) = e^x$ .

4. The fifth part of the paper is devoted to the study of the properties of the function  $l(x)$  defined by the equation  $l(x) = \sum_{n=0}^{\infty} \frac{e_n}{n!} x^n$  where the coefficients  $e_n$  are defined by the recurrence relation  $e_{n+1} = \frac{e_n}{n+1}$  and  $e_0 = 1$ . It is shown that the function  $l(x)$  is entire and that its Taylor series converges to  $l(x)$  for all  $x$ . The function  $l(x)$  is also shown to be the unique solution of the differential equation  $y' = -y$  with the initial condition  $y(0) = 1$ . The function  $l(x)$  is then shown to be the exponential function  $l(x) = e^{-x}$ .

1. The first part of the document is a list of the names of the persons who have been appointed to the various offices of the Board of Directors of the Corporation. The names are as follows:

- 2. The second part of the document is a list of the names of the persons who have been appointed to the various offices of the Board of Directors of the Corporation. The names are as follows:
- 3. The third part of the document is a list of the names of the persons who have been appointed to the various offices of the Board of Directors of the Corporation. The names are as follows:
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