Subject: Mathematics
Grade: $9^{\text {th }}$

## SET 2

| $\begin{array}{\|l} \hline \mathrm{Q} . \\ \mathrm{N} \end{array}$ | Folder name \& Question Code | Topic | Question with Answer Options |  |  |  |  | Image (If Any) | Correct <br> Answer <br> (Option- <br> A,B,C,D) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | $\begin{aligned} & \text { 3_18 } \\ & \text { Mathematics } \\ & 3415 \end{aligned}$ | Number system | Starting with 0 , a growing number sequence is generated by the rule given below. <br> To get the next number: Substitute 0 with 01 . Substitute 1 with 10. <br> Accordingly, the first four terms of the sequence are 0---->01--------->0110-------- >01101001 <br> What is the next number in the sequence? |  |  |  |  |  | B |
|  |  | Answer Options |  |  |  |  |  |  |  |
|  |  | Option A | Option B |  |  | Option C |  | Option D |  |
|  |  | 110000000000000 |  | 00110100110010110 |  | 11010011001 |  | 11010010110 |  |
| 2 | $\begin{array}{\|l} \text { 3_18 } \\ \text { Mathematics } \\ 3419 \end{array}$ | Number system | In Nirmal Public school, 28 students have joined the Chess Club and 32 have joined the Carrom Club. Among these, there are 5 students who have joined both the clubs. Altogether how many students have joined these two clubs? |  |  |  |  |  | B |
|  |  | Answer Options |  |  |  |  |  |  |  |
|  |  | Option A |  | tion B | Option |  | Opti | n D |  |
|  |  | 50 | 55 |  | 60 | 65 |  |  |  |






