

**IMSc IT ANS (NEP) Sem.-1 Examination****DSC-M-ANS-113T****Digital Logic****February-2025****Time : 1-00 Hour]****[Max. Marks : 25**

<b>Instructions: All Questions are compulsory to attempt.</b>
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| <b>1</b> Convert the following decimal numbers into hexadecimal.<br>(i) 8537      (ii) 98765             | <b>5</b>     |
| <b>2.</b> Find the Gray equivalent of the following binary numbers:<br>(i) 100010111      (ii) 111010110 | <b>5</b>     |
| <b>3</b> Explain all the Logic Gates with their truth tables.  | <b>15</b>    |
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