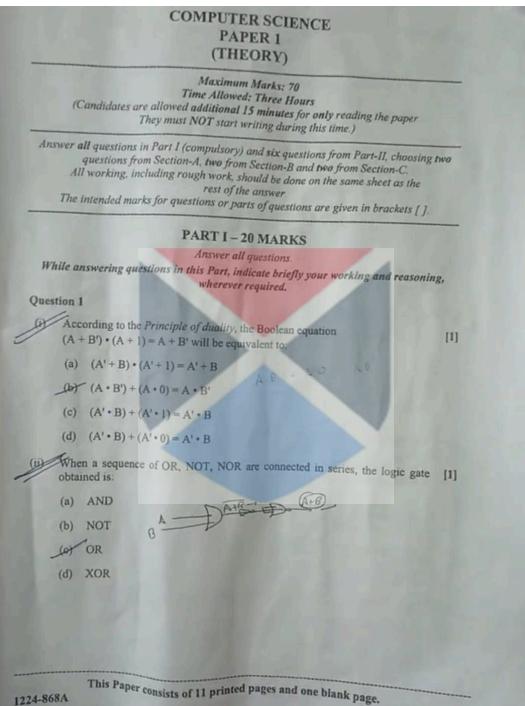
## ISC Class 12th Computer Science 2024 Question Paper (Part 1)



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(iii) Idempotence Law states that: (x) - X + X = X(b) X + X' = 0(c) X + X = 1(d) X + X' = XAssertion: For proposition ~A => B, its contrapositive is B => ~A Reason: Contrapositive is the converse of inverse for any proposition. (a) Both Assertion and Reason are true, and Reason is the correct explanat for the Assertion. (b) Both Assertion and Reason are true, but Reason is not the corr explanation for the Assertion. (c) Assertion is true but Reason is false. (d) Assertion is false but Reason is true. The complement of the Boolean expression  $(P' \cdot Q) + (R \cdot S')$  is: (a)  $(P' + Q) \cdot (R' + S)$ (b)  $(P + Q') \cdot (R' + S)$ P'. R S' (8+ 0'). (R'+5) (c)  $(P' + Q) \cdot (R + S')$ (d)  $(P + Q') \cdot (R + S')$ Assertion: Recursive data structure follows the LIFO principle. Execution of recursive code follows the concepts of data structure (a) Both Assertion and Reason are true, and Reason is the correct explanation (b) Both Assertion and Reason are true, but Reason is not the correct (c) Assertion is true but Reason is false. (d) Assertion is false but Reason is true. State any one use of interfaces in Java. multiple inherit Write the cardinal form of the maxterm X + Y' + ZWrite the canonical SOP expression for F (A, B) = A <=> B State any one difference between instance variable and class variable. 1224-868A