Q1: What does the expression (C + (B + ~A))evaluate to, When A=1 B=0 C=0 D =1

A. 1

B. 0

Correct answer: 0

Q2: Minimize the given expression - (~A.~B.C)+(A.B.C)

A. F = A'C + BC

B. F = AB'C + AB'C

C. F = A'B'C + ABC

D. F = A'B'C + ABC

E. F = AC'

Correct answer: F = A'B'C + ABC

Q3: What are the minterms for the given pos expression: (~A+~B+~C).(A+B+~C )

A. [1, 2, 3, 4, 5, 7]

B. [6]

C. [6]

D. [0, 6]

Correct answer: [1, 2, 3, 4, 5, 7]

Q4: Minimize the given expression - Minterms: [0, 1, 2, 5, 6]

A. F = A'B' + BC' + B'C

B. F = A'B' + BC' + B'C

C. F = AB + B'C + BC'

D. F = ABC + BC

E. F = A'B' + BC' + B'C

Correct answer: F = A'B' + BC' + B'C

Q5: Convert the expression (~A.B.~C)+(~A.B.C)+(A.~B.C) to POS form

A. (~A+~B+~C).(~A+~B+C).(A+~B+C).(A+B+~C).(A+B+C)

B. (~A+~B+~C).(~A+~B+C).(A+~B+~C).(A+B+~C).(A+B+C)

C. (~A+~B+~C).(~A+~B+C).(~A+B+~C).(A+B+~C).(A+B+C)

D. (~A+~B+~C).(~A+~B+C).(A+~B+~C).(A+B+~C).(A+B+C)

Correct answer: (~A+~B+~C).(~A+~B+C).(A+~B+~C).(A+B+~C).(A+B+C)