

# ENTROPY 2019 - QUALIFICATION ROUND

## IQ

The questions will be multiple choice of 4 choices, 1 CORRECT ANSWER for each question.

If you have any questions, please contact ENTROPY's hotline: (028) 3724 6560 or 0937 367 366

### Question 48

$(P \vee Q) \wedge (P \rightarrow R) \wedge (Q \rightarrow S)$ is equivalent to	
A	$S \wedge R$
B	$S \rightarrow R$
C	$S \vee R$
D	None of these above

☐ A

☒ B

☐ C

☐ D

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## Question 49

$P \rightarrow (Q \rightarrow R)$  is equivalent to

A	$(P \wedge Q) \rightarrow R$
B	$(P \vee Q) \rightarrow R$
C	$(P \vee Q) \rightarrow \neg R$
D	None of these above

☐ A

☐ B

☒ C

☐ D

## Question 50

When you are announced that the interest rate is greater than zero, which of the following cash-inflow streams should you prefer in year 1, year 2, year 3, year 4, respectively?

A	\$400	\$300	\$200	\$100
B	\$100	\$200	\$300	\$400
C	\$250	\$250	\$250	\$250
D	Any of the above, since they each sum to \$1,000			

☐ A

☐ B

☒ C

☐ D

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