SERIES BASED QUESTIONS

c.
$$1+X^2/2!+X^3/3!+X^4/4!...X^N/N!$$

j.
$$S = 1/1! + 2/2! + 3/3! + \dots + N/N!$$

k.
$$S = 1 + X + X^2 + X^3 + \dots + X^N$$

i.
$$S = X/1! + X/2! + X/3! + X/4! + \dots + X/N!$$

m.
$$S = 1 - X^2/2! + X^3/3! - X^4/4! + X^N/N!$$

o.
$$S = 1 + X + X^2 + X^3 + \dots + X^N$$

p.
$$S = X/I! + X/2! + X/3! + + X/N!$$

x.
$$X-X^2/2!+X^3/3!-X^4/4!$$
..... $X^N/N!$

aa.
$$\frac{1}{1!} - \frac{1}{2!} + \frac{1}{3!} - \frac{1}{4!} + \frac{1}{5!} \dots N$$
.

dd.
$$S = 1 \times 2 + 2 \times 3 + 3 \times 4 + \dots + 19 \times 20$$