

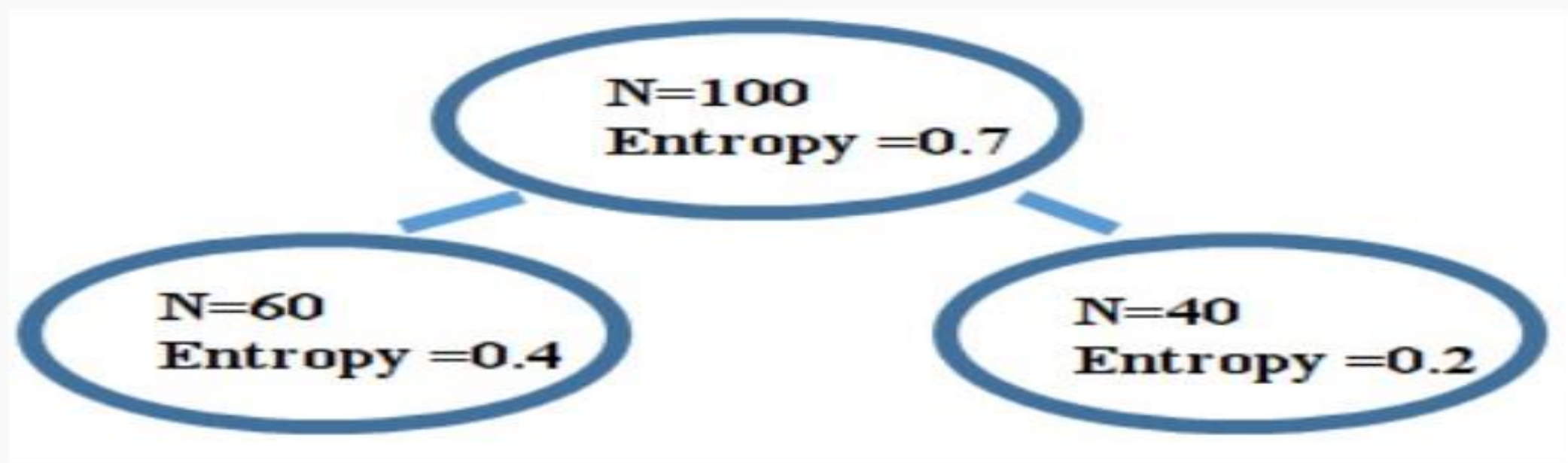
Hello Friends, Today I Discuss My Plan For Clearing NPTEL ONLINE CERTIFICATION EXAM WITH 50+ marks Out of 70 in last 14 days this is my motive .

- 50+/70 in 14 days it's not easy but not difficult too.
- We have 14 days * 4 hrs/day to achieve our target.
- In this course -> **theory – 40% Conceptual Part = 30%** **Numerical Part =30%**
- If we will study 14days seriously then result will be 50+/70**1 bar esa krke to dekho**
- **Plan will be discuss after question discussion**
- **So watch this video till end .**



Ques 1.

10) What is the value of the Information Gain in the following partitioning?:



- ☐ 0.26
- ☒ 0.38
- ☐ 0.42
- ☐ 0.18

Yes, the answer is correct.

Score: 2

Accepted Answers:

0.38

Given :

Previous Entropy = .7 & N=100

N1= 60 E1=0.4

N2= 40 E2= 0.2

Information Gain=?

Information Gain= Previous Entropy – Entropy After Split

How to Calculate Entropy After Split...=?

Formula= $(N1/N)*E1 + (N2/N)*E2$

= $(60/100) * 0.4 + (40/100) * 0.2$

= $.6 * 0.4 + 0.4 * 0.2$

= $0.24 + 0.08$

Entropy After Split = 0.32

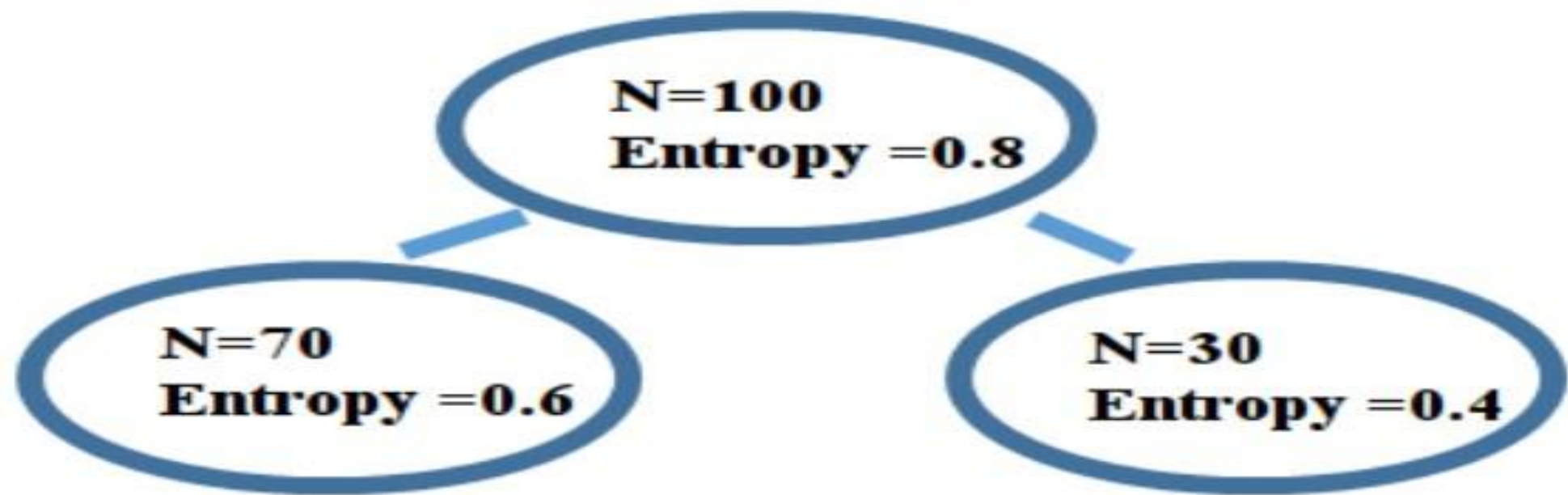
Information Gain= Previous Entropy – Entropy After Split

= $0.7 - 0.32$

Information Gain = 0.38

Ques 2:

3) What is the value of the Information Gain in the following partitioning?:



- ☐ 0.32
- ☐ 0.42
- ☐ 0.18
- ☒ 0.26

Yes, the answer is correct.

Score: 1

Accepted Answers:

0.26

Given :