Assignment - 02

palsonic sombined: everal learning

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Section: 13

Ibandron

Ibandronic Acid INN 150 mg Tables

P(U)

| | | 1 | | T | - | - | | | - |
|-------|---|---|----|---|---|----|----|----|----|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7(3) | 0 | 0 | 0 | 5 | 5 | 5 | 5 | 5 | 5 |
| 5(5) | 0 | 0 | 0) | 5 | 5 | 9 | 9 | 9 | 12 |
| P(4) | 0 | 0 | 0 | 0 | 5 | 0) | 9 | 10 | 14 |
| B(1) | 0 | 4 | 4 | 4 | 5 | 9 | 13 | 13 | 14 |
| M(12) | 0 | 4 | 4 | 4 | 5 | 9 | 13 | 13 | 9 |

: Mazimum profit: 9(sculpture:5) + 5 (Jewelry:3) = 14

selected items: sculpture, Jewelry

| <u>Objects</u> Jewelny | / _ | | eight 3 | | 1 <u>w</u> .67 |
|---------------------------|------------|-------|------------|-------|-------------------|
| Sculpture | 2/11/2 | | 5 | | 1.8 |
| Painting | 5 | | 4 | | 1.25 |
| Book | asaq 4 | | 1 | Ac &O | 4 |
| Mummy | 1/ 0 | a nau | 12 | | 0.5 |

.. Max profit: BOOK (1) + Sculpture (5) = 4+9

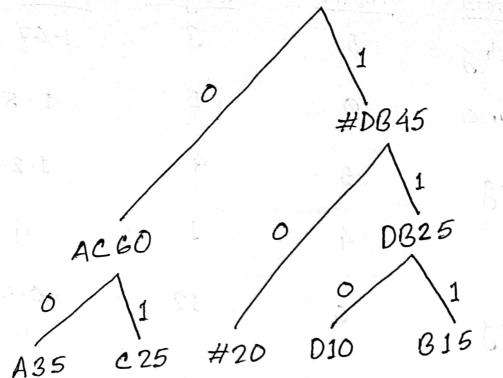
= 13

:. Derven's profit > Nainobi's profit.

: Nainobi's belief doesn't remain valid.

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2) i) Huffman tree: AC#DB105



$$A \to 00$$

$$C \to 01$$

$$D \to 110$$

$$B \to 111$$

ii) Given code:

-> 10

.. Required message: #A#BA##

(Ans.)

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no intedi