**ASSIGNMENT NO # 5**

Q: Annotate the following sentences with (a) Universal Part of Speech (b) Universal Dependency (c) PropBank Semantic Role

(1) The three intelligent students won the prize.  
(2) They gave us a gift.  
(3) John saw the monkey with the telescope.  
(4) Time flies like an arrow.  
(5) John is intelligent.  
(6) Submit this assignment as a soft copy.

A:

**1.** The three intelligent students won the prize.

**- Universal POS:**

- The (DET)

- three (NUM)

- intelligent (ADJ)

- students (NOUN)

- won (VERB)

- the (DET)

- prize (NOUN)

**- Universal Dependency:**

- det(students, The)

- nummod(students, three)

- amod(students, intelligent)

- nsubj(won, students)

- det(prize, the)

- obj(won, prize)

**- PropBank Semantic Role:**

- ARG0: students (agent)

- ARG1: prize (theme)

**2.** They gave us a gift.

**- Universal POS:**

- They (PRON)

- gave (VERB)

- us (PRON)

- a (DET)

- gift (NOUN)

**- Universal Dependency:**

- nsubj(gave, They)

- iobj(gave, us)

- det(gift, a)

- obj(gave, gift)

**- PropBank Semantic Role:**

- ARG0: They (agent)

- ARG2: us (recipient)

- ARG1: gift (theme)

**3.** John saw the monkey with the telescope.

**- Universal POS:**

- John (PROPN)

- saw (VERB)

- the (DET)

- monkey (NOUN)

- with (ADP)

- the (DET)

- telescope (NOUN)

**- Universal Dependency:**

- nsubj(saw, John)

- det(monkey, the)

- obj(saw, monkey)

- case(telescope, with)

- det(telescope, the)

- nmod(saw, telescope)

**- PropBank Semantic Role:**

- ARG0: John (agent)

- ARG1: monkey (theme)

- ARGM-MNR: telescope (instrument)

**4.** Time flies like an arrow.

**- Universal POS:**

- Time (NOUN)

- flies (VERB)

- like (ADP)

- an (DET)

- arrow (NOUN)

**- Universal Dependency:**

- nsubj(flies, Time)

- case(arrow, like)

- det(arrow, an)

- obl(flies, arrow)

**- PropBank Semantic Role:**

- ARG0: Time (agent)

- ARG1: flies (theme)

- ARGM-MNR: like an arrow (manner)

**5.** John is intelligent.

**- Universal POS:**

- John (PROPN)

- is (AUX)

- intelligent (ADJ)

**- Universal Dependency:**

- nsubj(intelligent, John)

- cop(intelligent, is)

**- PropBank Semantic Role:**

- ARG0: John (agent)

- ARG1: intelligent (attribute)

**6.** Submit this assignment as a soft copy.

**- Universal POS:**

- Submit (VERB)

- this (DET)

- assignment (NOUN)

- as (ADP)

- a (DET)

- soft (ADJ)

- copy (NOUN)

**- Universal Dependency:**

- obj(Submit, assignment)

- det(assignment, this)

- case(copy, as)

- det(copy, a)

- amod(copy, soft)

- obl(Submit, copy)

**- PropBank Semantic Role:**

- ARG0: (implied agent)

- ARG1: assignment (theme)

- ARGM-MNR: soft copy (manner)

Q: Give Named Entity tags for the following.

(7) Bill Gates founded Microsoft in 1975.

**Named Entity Tags**

**7.** Bill Gates founded Microsoft in 1975.

**- Named Entities:**

- Bill Gates: PERSON

- Microsoft: ORG

- 1975: DATE