Assignments 2 and 3

Cs626-460-2012
Assignment 2

Humour Generation System

• How does humour arise?
  – One of the possible ways – Incongruity
  – E.g.
    • Police: *Parking Fine*. Man goes and thanks the policeman for appreciating his parking skill
    • Father: *I got a Jaguar for my son*
      Friend: *That’s a very good exchange*

  – Use words with multiple senses to generate humour
Midsem Question 3

• Theory:

- Base form (V-Base)
- Tensed form
  - V_pres
  - V_past
- Participal form
  - present (V-ing)
  - past (V-ed)
Features are expressed by:

- Suffixes on the verb (agglutination) and/or
- Isolated morphemes called auxiliaries

*e.g.* – Ram *is going*
Production Rules for Verb Group
(We assume non-empty auxiliary group)

• $VG \rightarrow BE_{\text{tensed}} \ V_{\text{ing}}$
  
  $BE_{\text{tensed}} \rightarrow \text{is|are|am|was|were}$
  
  e.g. Ram is going

• $VG \rightarrow HV_{\text{tensed}} \ V_{\text{en}}$
  
  $HV_{\text{tensed}} \rightarrow \text{has|have|had}$
  
  e.g. They had gone
• VG $\rightarrow$ MD V_base

  MD $\rightarrow$ will|shall|can|may|might|must|should|would

  e.g. They must go

• VG $\rightarrow$ HV_tensed BE_en V_ing

  BE_en $\rightarrow$ been

  e.g. She has been going

• VG $\rightarrow$ MD HV_base BE_en V_ing

  e.g. She might have been going
• VG $\rightarrow$ MD HV_base V_en
  HV_base $\rightarrow$ have
  e.g. I should have gone

• VG $\rightarrow$ HV_tensed BE_en V_en
  e.g. The seat have been taken

• VG $\rightarrow$ MD HV_base BE_en V_en
  e.g. The seat might have been taken

• VG $\rightarrow$ Do_tensed V_base (emphasis)
  e.g. They did go