6. [18 total marks] Ambiguity

(a) Consider the 10 variations of the sentence *I want to date Joe.*, obtained by distributing only and also to different places in the sentence.

—B/G— 1. Only I want to date Joe.

—J— 2. I only want to date Joe.

—C— 3. I want only to date Joe.

—E— 4. I want to only date Joe.

—D— 5. I want to date only Joe.

—M— 6. Also I want to date Joe.

—F— 7. I also want to date Joe.

—L— 8. I want also to date Joe.

—I— 9. I want to also date Joe.

—H— 10. I want to date also Joe.

Items B through M below are sentences, each of which might clarify, interpret, explain, or exemplify the meaning of one of 10 sentences above. Item A is simply the claim that a sentence above is classified as meaningless. Please, in the underscore next to each sentence $S$ above, write the letter labeling every of the 13 items below that classifies, interprets, explains, or exemplifies $S$. Each letter appears in the underscores at most once, but the underscores of one of the sentences above gets two letters, and some letters may not be used at all.

A. Meaningless
B. No one else wants to date Joe.
C. I don't want anything else.
D. I don't want to date also Jim.
E. I don't want to marry Joe.
F. I have a date with Joe.
G. Everyone else wants to date Jim.
H. I have been dating Jim.
I. I have been just friends with Joe.
J. I will not actually date Joe.
K. Jim and Joe are friends.
L. Let's see what I want. I want to ski.
M. Mary and Thelma want to date Joe.
(b) The sentence

The sensors issue an alarm when they detect an incursion.

has at least four different meanings. By careful use of a singular, possibly collective, subject, rewrite this sentence four different ways to illustrate four of these meanings.

i. Each sensor issues an alarm when it detects an incursion.

ii. The collection of sensors issues an alarm when they all detect incursions/an incursion.

iii. The collection of sensors issues an alarm when a majority of them detect incursions/an incursion.

iv. The collection of sensors issues an alarm when at least one of them detects incursions/an incursion.