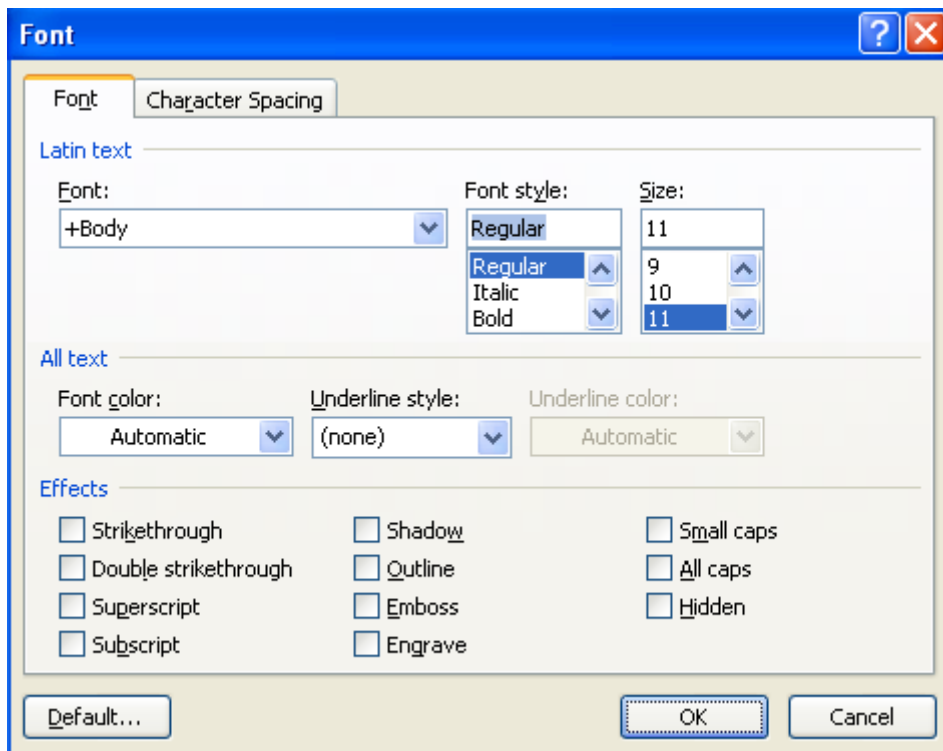


(Max. Marks = 20)

Consider the MS Word Font Properties Dialog box in the figure below. You want to select the font “arial new” (without double quotes) by typing in the Font drop down (which permits typing as well). The text must be in Bold, Size 9, as a Superscript and Engraved. As a user, you always move from field to field using a mouse. Assume you hand is initially on the mouse and currently “OK” button is selected. Also assume that this dialog box is dismissed by clicking the “OK” button at the end. Using KLM-GOMS, determine the minimum time needed to perform this task in seconds. Note K = 0.2s, P = 1.1s, H = 0.4s and M=1.35s.

**There is no partial credit for this question. Show all intermediate steps.**



**Step 1**

**PK H KKKKKKKKK H PK PK PK PK PK**

**Step 2**

**MPMK H MKMKMKMKMKMKMKMKMK H MPMK MPMK MPMK MPMK MPMK**

**Step 3**

**MPK H MKKKKKKKKK H MPK MPK MPK MPK MPK**

**Step 4**

**$7M + 15K + 2H + 6P = 7(1.35) + 15(0.2) + 2(0.4) + 6(1.1) = 19.85$  seconds**