Solution of Question 3

(a) Incorrect. Either 'CARDS;' or 'CARDS4;' should be used but not 'CARDS3'.

(b) Correct. SAS will assign a filename to the temporary dataset for us.

(c) Incorrect. The filename should not have two "." as the complete SAS data file name has the format ref.filename. Correct statement is

```
data innew.record;
```

(d) Incorrect. The length of numeric variable cannot be 1. A "$" should be added after character variable list. Note that the whole statement is problematic as the short-cut forms of variable list used in this statement require that the variables have already been defined. Once the variables are defined, it is too late to define their length. We should list all variables explicitly such as

```
length C K1 – K5 E 8 A F G B $ 12;
```

(e) Correct. In fact the first "*" tells SAS that this is a comment. All other "*"'s are optional.

(f) Incorrect. The "." after "5-9" should be deleted. Here "C2 - C10 $2" only means "C10" is a character variable and it will get information from the second columns of the data line. The embedded comment is wrong too. A correct one can be

```
input _A C2 – C10 $2 L 5-9 /* L is numeric */;
```

(g) Incorrect. The correct one should be

```
input @5 (x2 – x5) (comma4.);
```

or

```
input @5 x2 – x5 comma4.;
```

(h) Correct.

(i) Incorrect. The correct one should be

```
Infile 'c:\data.txt';
```

(j) Incorrect. The correct one should be

```
libname ab 'c:\';
```