***Commands:***

**EFA: (SPSS)**

Analyze>Dimension Reduction>Shift the items from left to right window>Click Descriptive>Select KMO & Bartlett test>Click Extraction>Select Scree Plot>OK>Continue.

**CFA: (AMOS)**

*(These commands are used to find out Factor Loadings (Estimates of Standardized regression), NFI, CFI, GFI, AGFI, and RMSEA).*

View>Set page (Landscape A4) >Draw unobserved Variable>Draw Latent Variable (According to number of questions in each variable>Select SPSS file>Name latent variables>>Plugins>Name unobserved Variable>View>Analysis Properties>Output (In first column, select first 4 and last 2) >Tools>Calculate Estimates>Save the file>After saving the file click Standardized Estimates>click the output light to see results.

**Convergent Validity:**

1. **Factor Loadings**

To find factors loading, Follow above commands and then in output file, go to estimates and then see the table of **Standardized Regression.** The estimates of this table is considered as factor loadings.

1. **AVE:**

AVE can be find out by using the given formula:



1. **CR:**

CR can be find out by using the given formula:



**Discriminant and Nomological Validity:**

View>Set page (Landscape A4) >Draw unobserved Variable>Draw Latent Variable (According to number of questions in each variable>Select SPSS file>Name latent variables>Plugins>Name unobserved Variable>Plugins>Draw Covariance>View>Analysis Properties>Output (In first column, select first 4 and last 2) >Tools>Calculate Estimates>Save the file>After saving the file click Standardized Estimates>click the output light to see results.

**Reliability of Data: (SPSS)**

Go to Analyze>Scale>Reliability Analysis>Shift the items of each variable from right to left window>Continue.

**Descriptive Stats:**

**Frequency distribution w.r.t gender age etc.**

Analyze--->description--->frequency--->select demographic variable--->shift to right--->ok

**Inferential stats:**

**Mean difference:**

**Convert items into variable:**

Transform--->compute variable---> select () --->select all questions of one variable into bracket--->add them--->divide them by total number of questions in variable
e.g.: (MS1+MS2+MS3)/3

**Independent T test:**

Analyze--->compare means--->ind. Sample t test

Select test variable

Gender--->grouping variable

Define group’s group1: 1
 group 2: 2

Continue--->ok

**One way Anova:**

Analyze--->compare means--->one way anova

Select dependent variable and factor

Click options--->tick or select descriptive stats--->continue--->ok

**Correlation:**

Analyze--->correlate--->bivariate---> shift computed variables to right

**Regression:**

Analyze--->regression--->linear---> select dependent and independent variable