Instructions:
1. Answer question 1 (Compulsory) and ANY other 2 questions.
2. Candidates are advised not to write on the question paper.
3. Candidates MUST hand in their answer booklets to the invigilator while in the examination room.
Question 1
a) Define the following terms:
   i. Test validity (2 marks)
   ii. Item analysis (2 marks)
   iii. Test piloting (2 marks)
   iv. Variance (2 marks)
   v. Descriptive statistics (2 marks)
b) Briefly discuss problems associated with grading on a normal curve. (10 marks)

Question 2
a) With an example Explain Grade Point Average. (6 marks)
b) Discuss three forms of assessment. (9 marks)
c) State five ways of increasing test reliability. (5 marks)

Question 3
The following scores were obtained by students in form 4 science test.
56  51  15  45  20  35  25  31  30
i. Calculate the variance ($S^2$). (8 marks)
ii. Calculate the Z-score. (12 marks)

Question 4
Explain the process of test construction. (20 marks)

Question 5
The following scores were obtained by students in a spelling test.
2  5  0  1  2  2  7  0  6  2  3  1  4  5  2  1  1  3  2  1  0  4  2
3  0  1  2  3  4  1
a) Define mode. (2 marks)
b) Calculate the mode. (2 marks)
c) State the disadvantages of the mode. (6 marks)
d) briefly discuss item difficulty in a test. (10 marks)