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DBAFEMI AWOLOWO UNIVERSITY, ILE-IFE

FACULTY OF EDUCATION

DEPARTMENT OF SPECIAL EDUCATION AND CURRICULUM STUDIES

M.A. ED and M.ED Degree Examination

2011/2012 Harmattan Semester Examination August 2012

Course Code: SEC609

Course Title: Curriculum and Instruction in Secondary School Mathematics

Instruction: Answer all questions

Time allowed: 2 hours

1.
 - a. Distinguish between curriculum, teaching and instruction.
 - b. Mention at least eight basic importance of a good mathematics text book and three basic importance of a mathematics laboratory.

2. How would you explain the solution of the following problem to SSII students of Kotide Community School if you happen to be on teaching practice there?
The distance between two villages P and Q is χ km. A car travelling between P and Q arrives 3 minutes behind the scheduled time when it travels at an average speed of 45km h^{-1} but arrives 9 minutes ahead of scheduled time when it travels at an average speed of 60kmh^{-1} . Compute the time for the journey and the distance χ .

3. What are the main thrust of the theories of Piaget and Abraham Maslow and the implications of their theories for mathematics instruction?

4.
 - a. Define or explain what you understand by the term motivation.
 - b. Itemise twelve different techniques that you can use to motivate your students so that they will be positively disposed to always want to learn mathematics in your classroom.

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