**UNIVERSITY OF GHANA**

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**COLLEGE OF BASIC AND APPLIED SCIENCE**

**SCHOOL OF PHYSICAL AND APPLIED SCIENCES**

**DEPARTMENT OF COMPUTER SCIENCE**

**B.A/BSc FIRST SEMESTER UNIVERSITY EXAMINATIONS: 2014/2015**

**CSCD 417: Theory and Survey of Programming Languages**

**Examiner: Ben S. K Wiredu**

**Time allowed: Hours**

**INSTRUCTIONS**

***Answer Question 1 and three other questions***

1. Describe any four (4) programming domains and highlight on one peculiar language for each domain? **[40 marks]**
2. a) What is a Programming language? **[5 marks]**

b) Discuss three (3) reasons why it is essential to study the concepts of programming languages? **[15 marks]**

1. a) Describe two (2) characteristics of programming languages? **[8 marks]**

b) Describe any three (3) language evaluation criteria of programming languages?

**[12 marks]**

1. a) Describe the three (3) control structures that led to the structured programming techniques? **[12 marks]**

b) What is object oriented Programming? **[8 marks]**

1. Describe any four (4) programming standards? **[20 marks]**