

UNIVERSITY OF CALABAR, CALABAR
DEPARTMENT OF COMPUTER SCIENCE
SECOND SEMESTER EXAMINATIONS 2015/2016

COURSE: CSC 222 – SURVEY OF PROGRAMMING LANGUAGES

TIME: 2 hours

INSTRUCTIONS: Answer any three (3) questions

1. (a) Identify and describe any three (3) language categories used in developing applications in modern software development.
(b) Differentiate between type checking and exception handling, giving examples in each case.
2. (a) Discuss: (i) Readability; (ii) Writability; (iii) Reliability, as criteria for evaluating the suitability of a programming language for any software projects you embark on.
(b) The ease with which you develop applications, will to a large extent depend on the domain for which the underlying programming language was designed. Describe any three (3) programming language domains and justify in each case, the outstanding features dominating that domain.
3. Discuss how computer architecture and programming design methodologies influence the design of computer programming languages.
4. (a) Studying programming language concepts may not be relevant to other computer users; however, this is very crucial to computer scientists like you. Justify this relevance, by explaining any four (4) reasons.
(b) How does cost affect your choice of a programming language?

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