

# Structured Programming

Pre Programming Test, 30.09.2014

Each question has exactly **one correct** answer.

Name: \_\_\_\_\_

ID: \_\_\_\_\_

## Section 1. Programming Aptitude

1. Which of the following is least like the others?

- (a) cube
- (b) sphere
- (c) pyramid
- (d) circle

2. Consider a language which uses the following set of characters:

Small set: a b c

Large set: A B C

Punctuation set: x y

This language must follow the following rules:

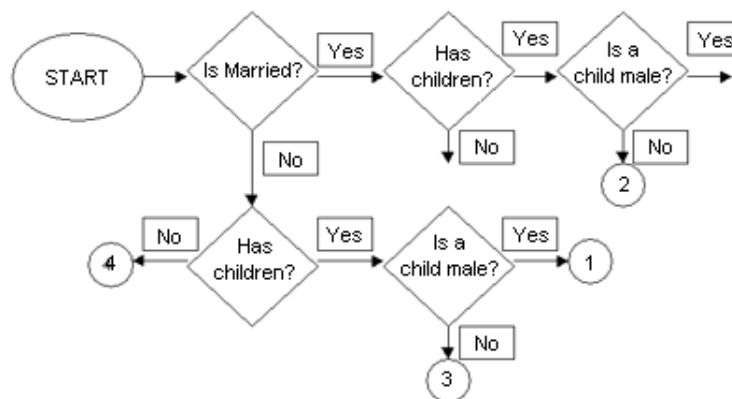
- (a) A punctuation character must end all series.
- (b) A series can have up to but no more than 4 characters, including punctuation characters.

Does the following series follow all the rules of the language defined above?

axBy

- (a) YES
- (b) NO

3. Consider the following flow chart for a customer:



The person in No.1 is:

- (a) Married, with children
- (b) Married, with at least one son
- (c) Unmarried, with at least one daughter
- (d) Unmarried, with at least one son
- (e) Unmarried, with no children

4. Susan can type 10 pages in 5 minutes. Mary can type 5 pages in 10 minutes. Working together, how many pages can they type in 30 minutes?
- (a) 15
  - (b) 20
  - (c) 25
  - (d) 65
  - (e) 75
5. Consider the following series:  
3, 4, 6, 9, 13, \_\_\_\_\_ What comes next?
- (a) 15
  - (b) 16
  - (c) 17
  - (d) 18
  - (e) 19

Section 2. Define in a sentence (or two) the following terms?

6. Compiler?
7. Syntax error?
8. Variable?
9. I/O?
10. CPU?

# Answer Key for Exam A

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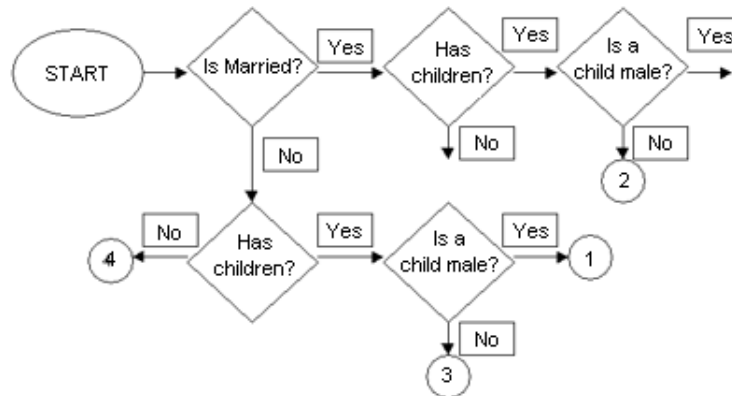
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- 7. Syntax error?
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- 9. I/O?
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