

**Question No: 1** ( Marks: 1 ) - Please choose one

PDA is only used to represent a regular language.

- ▶ True
- ▶ **False** [Click here for detail](#)

**Question No: 2** ( Marks: 1 ) - Please choose one

If L is a regular language then  $LC$  is also a regular language.

- ▶ **True** (Page 66)
- ▶ False

ایماندار کو غصہ دیر سے آتا ہے اور جلدی دور ہو جاتا ہے

**Question No: 3** ( Marks: 1 ) - Please choose one

A production of the form non-terminal  $\rightarrow$  string of two non-terminal is called a live Production.

- ▶ True (Page 127)
- ▶ False

**Question No: 4** ( Marks: 1 ) - Please choose one

We can find a CFG corresponding to a DFA.

- ▶ True (Page 97)
- ▶ False

**Question No: 5** ( Marks: 1 ) - Please choose one

START, READ, HERE and ACCEPTS are conversions of the machine

- ▶ True (Page 122)
- ▶ False

**Question No: 6** ( Marks: 1 ) - Please choose one

A CFG is said to be ambiguous if there exists at least one word of its language that can be generated by different production trees

- ▶ True (Page 95)
- ▶ False

**Question No: 7** ( Marks: 1 ) - Please choose one

Syntax tree or Generation tree or Derivation tree are same tree

- ▶ True (Page 92)
- ▶ False

**Question No: 8** ( Marks: 1 ) - Please choose one

The symbols that cannot be replaced by anything are called terminals

- ▶ True (Page 87)
- ▶ False

**Question No: 9** ( Marks: 1 ) - Please choose one

The production of the form non-terminal  $\rightarrow$  one non-terminal is called unit production

- ▶ True (Page 100)
- ▶ False

**Question No: 10** ( Marks: 1 ) - Please choose one

DFA and PDA are equal in power.

- ▶ True
- ▶ False (Page 105)

**زندگی میں کامیابی کا پہلا راز ہے کہ پریشانیوں سے پریشان مت بنو**