TRUE/FALSE

1. The controller organizer in Logix 5000 is used to organize a project and is a tree structure similar to Windows Explorer.

   ANS: T PTS: 1 REF: Logix 5000 Ladder Logic Components

2. In setting up communications between a personal computer and PAC when uploading, the current path is automatically selected on the Path Bar toolbar and should not be changed by the user.

   ANS: F PTS: 1 REF: Logix 5000 Ladder Logic Components

3. Toolbar setup, which controls which toolbars are displayed and hidden, is on a project-by-project basis.

   ANS: F PTS: 1 REF: Turning Toolbars On or Off

4. When creating a new project, it is essential to match the major software version of the software project to the major firmware revision level in the controller.

   ANS: T PTS: 1 REF: Software Revision Levels

5. The Language Element toolbar and Ladder Common Logic toolbars can be customized.

   ANS: T PTS: 1 REF: Customizing Toolbars

COMPLETION

1. One way to program ladder instructions is to drag and drop them from the _____ toolbar to the desired position on a ladder rung or select where to place the instruction on the rung and simply click it on the toolbar.

   ANS: Language Element

   PTS: 1 REF: Logix 5000 Ladder Logic Components

2. A graphical representation of users on the current network is displayed in the _____ screen. This screen also provides a means to set and establish a communication path to a desired PAC.

   ANS:
   RSWho
   RSLinx RSWho

   PTS: 1 REF: Logix 5000 Ladder Logic Components

3. Coil-type and box-type instructions are both types of _____ instructions.

   ANS: output

   PTS: 1 REF: Logix 5000 Ladder Logic Components

4. Documentation that describes the function of the rung is a(n) _____.

   ANS: rung comment

   PTS: 1 REF: Logix 5000 Ladder Logic Components

5. The base tag of a ControlLogix instruction can have a more descriptive or more user-friendly name or tag associated with it, called a(n) _____ tag.

   ANS: alias

   PTS: 1 REF: Logix 5000 Ladder Logic Components

6. The logic contained in the selected routine is displayed in the _____ window.

   ANS: Routine

   PTS: 1 REF: Routine Window Components

7. Basic information about the controller associated with a project is found in the _____ window.

   ANS: Controller Properties

   PTS: 1 REF: Controller Properties Screen

8. Information about the current software release, including installation information, past problems that have been fixed, and new features is provided by the _____ selection in the Help menu.

   ANS: Release Notes

   PTS: 1 REF: Help Screens

SHORT ANSWER

1. What are the basic components of Logix 5000 ladder logic?

   ANS:
   The basic components of Logix 5000 ladder logic are rungs, branches, and instructions.

   PTS: 1 REF: Logix 5000 Ladder Logic Components

2. What are the three parts of the Path Bar toolbar?

   ANS:
   The Path Bar toolbar has three parts:
   1) Current path
   2) Recent paths
   3) RSWho

   PTS: 1 REF: Logix 5000 Ladder Logic Components

3. What are the four languages in which ControlLogix can be programmed?

   ANS:
   ControlLogix can be programmed in four different languages. A routine can be:
   1) Ladder logic
   2) Function block diagram
   3) Sequential function block
   4) Structured text

   PTS: 1 REF: Routine Window Components

4. What are the required entries in the New Controller window when creating a new project?

   ANS:
   Entries required in the New Controller window when creating a new project include:
   • Controller type
   • Project name
   • Chassis size
   • Software version

   PTS: 1 REF: Software Revision Levels

5. Briefly describe two types of project backup features of the RSLogix 5000 software.

   ANS:
   RSLogix 5000 software has two automatic project backup features:
   • Automatic recovery based on a user-configurable time
   • Automatic backup of the project file each time a project is saved

   PTS: 1 REF: Automatic Project Backup

6. Identify the three packages of RSLogix software matching each to the controllers for which the package is used.

   ANS:
   There are three different packages of RSLogix software:
   1) RSLogix 5000 is for the ControlLogix family of programmable automation controllers.
   2) RSLogix 5 is for programming the Allen-Bradley PLC-5.
   3) RSLogix 500 is for the SLC 500 family of PLCs, which also includes the MicroLogix.

   PTS: 1 REF: Summary