

INITIAL QUESTIONNAIRE: CONNECTORISATION AND FUSION OF OPTICAL FIBERS

Question 1. For fiber connectorisation, what is the first step to take with optical fibers?

Select one option:

- a) Remove only the fiber coating on the fibers that we want to connect and clean it.
- b) Remove the coating from the fiber, clean and cut using the fiber cutter CT-06
- c) Perform fiber cutting using the CT-06 fiber cutter without removing the fiber coating and subsequently cleaning
- d) None of the statements is correct

Question 2. Once the first step is done, what is the next step to take with the optical fibers?

Select one option:

- a) Insert the end of the fiber into the connector and check that no fiber protrudes through the connector ferrule
- b) Insert the end of the fiber into the connector and check that it protrudes between 1 and 2 cm from the connector ferrule
- c) Insert the end of the fiber into the connector and check that it protrudes between 1 and 2 cm from the connector ferrule
- d) Insert the end of the fiber into the connector and check that it protrudes a few millimeters from the connector ferrule
- e) None of the statements is correct

Question 3. Once this step is done, what is the next step to take with the optical fibers?

Select one option:

- a) Fill a syringe with epoxy and insert it into the connector filling with epoxy until a large ball of epoxy protrudes from the ferrule of the connector
- b) Fill a syringe with epoxy and insert it into the connector filling with epoxy until a small ball of epoxy protrudes from the connector ferrule
- c) Fill a syringe with epoxy and insert it into the connector filling with epoxy until no epoxy protrudes from the connector ferrule
- d) None of the statements is correct

Question 4. Once the previous step has been carried out with the epoxy, what is the next step?

Select one option:

- a) Use the accelerator spray to speed up the drying process and wait about a minute and check that the epoxy is dry
- b) Let the epoxy dry directly for a few minutes

- c) Use the accelerator spray to speed up the drying process and without waiting and checking that the epoxy is dry

Question 5. Once the previous step has been done, what is the next step?

Select one option:

- a) Begin the connector polishing process
- b) Make a cut in the fiber using a special cutter and cut as far as possible from the epoxy
- c) Make a cut in the fiber using a special cutter and make the cut as close as possible to the epoxy
- d) None of the statements is correct

Question 6. What type of fibers can be fused using the splicer that we are going to use?

Select one option:

- a) Only standard single-mode fibers (SMF)
- b) Only multimode fiber (MMF)
- c) Only single-mode fibers, but of any type (SMF, DSF, BIF, NZDS)
- d) Both multimode and single-mode fibers

Question 7. The first step to perform before putting the ends of the fibers into the splicer to fuse them is:

Select one option:

- a) Remove the coating from both fibers
- b) Remove the coating and make a cut on both fibers
- c) It is not necessary to remove the coating or make cuts in the fiber, but instead go directly into the fiber

Question 8. The automatic splicer has several predefined programs that allow:

Select one option:

- a) It Only allows the choice of different fiber types to be automatically spliced
- b) It only allows you to choose the oven program
- c) It only allows you to choose the type of arc test that can be performed
- d) Allows you to perform the actions listed in option 1 and 2
- e) Allows you to perform the actions listed in option 1 and 3

Question 9. As a result of the arc test, it may occur:

Select one option:

- a) If the message is not Arch OK, the fiber must be prepared again and the test performed again.
- b) If the message is Arc OK, the fiber must be prepared again and the final fusion of the fibers must be performed
- c) If the message is Arco OK, it is not necessary to prepare the fiber again and the final fusion of the fibers is already done.
- d) If the message is Very strong bow, it is not necessary to prepare the fiber again and the final fusion of the fibers is already done.

Question 10. Once the automatic fusion of the fibers has been carried out, what is the next step?

Select one option:

- a) Carry out the joint tension test by pressing the “GO” icon on the main screen
- b) Perform the Arc test to see if it is OK
- c) Carry out the joint tension test by pressing the “DATA” icon on the main screen
- d) Insert the splice protector (heat shrink protectors) correctly and place everything inside the oven