

2022 XI 24

0230

Seat No.

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Time : 1 Hour

FIRST-TERM

TELECOMMUNICATION

(NSQF)

Subject Code

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Total No. of Questions : 20 (Printed Pages : 8)

Maximum Marks : 20

- INSTRUCTIONS :**
- (i) Paper contains **20** questions.
 - (ii) Every question has four choices for its answers (A), (B), (C) and (D) and only one of them is the correct answer.
 - (iii) On the OMR sheet, for each question number, darken with a ball point pen **ONLY ONE** bubble corresponding to what you consider to be the most appropriate answer, from among the four choices.
 - (iv) Please note that it is not possible to change the answer once you have filled up the bubble with a ball point pen. Hence sufficient care must be taken while darkening the bubbles.
 - (v) For each question, you will be awarded **ONE** mark if you have darkened only the bubble corresponding to the correct answer. **There is no negative mark.**
 - (vi) Only **one** OMR sheet will be provided.
 - (vii) Use only Black or Blue Ball Point Pen.

Choose and write the *correct* alternative from the options given below :

1. Which of the following is *not* verbal communication ? 1
 - (A) Face to face conversation
 - (B) Talking on the phone
 - (C) Body language
 - (D) Group discussion

2. The component in the communication cycle which converts the readable data to unreadable data is 1
 - (A) Sender
 - (B) Encoding
 - (C) Channel
 - (D) Decoding

3. The ability to handle or minimise the physical and emotional effect of stress is 1
 - (A) Self-management
 - (B) Self-regulation
 - (C) Stress management
 - (D) Self-awareness

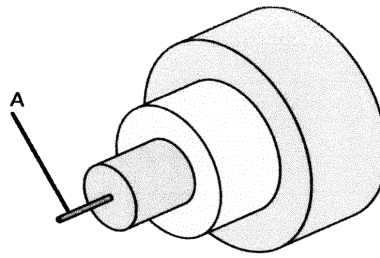
4. Which of the following is shortcut key used to save a file ? 1
 - (A) Ctrl+C
 - (B) Ctrl+S
 - (C) Ctrl+P
 - (D) Ctrl+V

5. How can you make a strong password ? 1
- (A) Use only letters
 - (B) Use number and special characters
 - (C) Use name of a person
 - (D) Use letters, numbers and special characters
6. The optical fiber cable that transmits one signal per fiber is called 1
- (A) Step index
 - (B) Graded index
 - (C) Single mode
 - (D) Multi mode
7. The cable that is flexible, transparent made up of glass or plastic is 1
- (A) Shielded Twisted pair cable
 - (B) Unshielded Twisted pair cable
 - (C) Co-axial cable
 - (D) Optical fiber cable
8. Fiber optic communication is a method in which communication takes place using 1
- (A) Air
 - (B) Water
 - (C) Light
 - (D) Oil

9. The importance of splicing is 1
- (A) Only to join two broken fibers
 - (B) Only extend the cable run
 - (C) Only attaches a preterminated pigtail
 - (D) All of the above
10. Which of the following is the correct order for Route inspection ? 1
- (1) Verify the plan through a route walk
 - (2) Take corrective actions
 - (3) Obtain an OFC route plan
- (A) (1), (2), (3)
 - (B) (2), (3), (1)
 - (C) (3), (1), (2)
 - (D) (2), (1), (3)
11. Fusion splicing is mostly done 1
- (A) When we need splices need to be made quickly and easily
 - (B) When splices is done temporarily joining the cable
 - (C) When we need reliable joint between two fibers
 - (D) None of the above
12. The symbol ● is used in route plan indicates 1
- (A) Tank or Tower
 - (B) Building
 - (C) Warning
 - (D) Restricted

13. Label the part marked as "A" :

1



Fiber Optic Cable

- (A) Core
- (B) Cladding
- (C) Jacket
- (D) Buffer

14. is used in single mode and polarization OFC.

1

- (A) LC connector
- (B) FC connector
- (C) SC connector
- (D) ST connector

15. Fiber optic communication is based on the principle of

1

- (A) Reflection
- (B) Refraction
- (C) Dispersion
- (D) Total Internal Reflection

16. tool is used to cut the optical fiber at 90°.

1

- (A) Cleaver
- (B) Crimper
- (C) Stripper
- (D) Kevlar scissors

17. is used for viewing the connector to protect eyes from fiber optic source light in fiber. 1
- (A) Visual fault locator
 - (B) Connector Inspection Microscope
 - (C) OTDR
 - (D) Power meter
18. In splicing, power meter is used 1
- (A) To cut the cable jacket and armor
 - (B) To verify splices and troubleshoot problems
 - (C) To clean fiber and connector during splicing
 - (D) To splice the optical fiber permanently
19. The tool used to remove primary coating from fiber without nicking the optical fiber is 1
- (A) Tubing cutter
 - (B) Cable jacket stripper
 - (C) Fiber optic stripper
 - (D) Fiber cleaver
20. Identify the type of bad splice shown below : 1



- (A) Fuse time too long
- (B) Fuse current too hot
- (C) Auto feed too high
- (D) Auto feed too low

