

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 :**

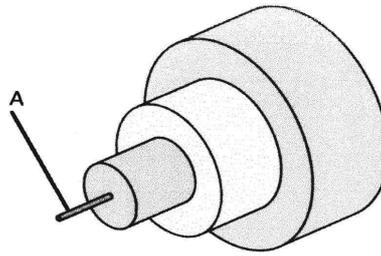
1. Which of the following is *not* verbal communication ? 1
  - (A) Face to face conversation
  - (B) Talking on the phone
  - (C) Body language
  - (D) Group discussion
  
2. The component in the communication cycle which converts the readable data to unreadable data is ..... 1
  - (A) Sender
  - (B) 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

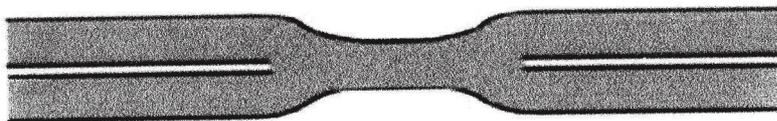
- (A) Reflection
- (B) Refraction
- (C) Dispersion
- (D) Total Internal Reflection

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



