Optical Fiber Splicer QP Code: TEL/Q6400 Version: 4.0 NSQF Level: 3

S.No	PC used	English Question	English Ans1 Choice	English Ans2 Choice	English Ans3 Choice	English Ans4 Choice	Correct Answer	Marking
1	PC1. ensure availability of optical cable test equipment (Optical Time Domain Reflectometer (OTDR), power meter, etc.)	Identify the following equipment	Optical Spectrum Analyzer (OSA)	Fiber Optic Power Meter	Optical time-domain reflectometer(OTDR)	Light Source and Power Meter (LSPM)	3	5
2	PC11. ensure maintenance of minimum bend ratios as per manufacturer specifications to prevent cable damage and signal degradation	The Optical Fiber Splicer is tasked with splicing fibers for a new network installation. What is a critical step for the Optical Fiber Splicer in this scenario?	Ignoring manufacturer specifications for bend ratios.	Using excessive force during splicing.	Ensuring minimum bend ratios as per manufacturer specifications during splicing.	Rushing through the splicing process to save time	4	5
3	PC17. arrange outage exclusion time (maintenance window timeline) for the fiber and route in consultation with O&M team	You are responsible for splicing a long-distance fiber optic cable that connects two remote offices. The cable has been damaged due to harsh weather conditions. What is the importance of arranging an outage exclusion time (maintenance window)?	To coordinate with the O&M team for uninterrupted work.	To inform customers about the downtime.	To test the fiber optic cable after splicing.	) To clean the splicing tools before use.	1	5
4	PC28. cleave fiber with a precision cleaver	How does cleaving fiber with a precision cleaver contribute to splicing accuracy?	It increases splice time	It reduces splice losses	It damages the fiber	It has no impact on splicing accuracy	2	5
5	PC7. conduct power source and power meter tests at both ends of the fiber for instances of cross fiber and ensure their elimination	You are troubleshooting a fiber optic network where users are experiencing intermittent connectivity issues. You suspect cross-fiber instances causing signal disruption. What step should you take to confirm the presence of cross-fiber issues in the network?	Replace all the fiber optic cables.	Reboot the network equipment.	Conduct power source and power meter tests at both ends of the fiber.	Perform visual inspection of the fiber connections.	3	10
6	PC13. prepare jointing record for future reference	Which information is typically included in a jointing record?	Splice location, splice type, fiber details, splice quality	Weather conditions during splicing	Number of technicians present during splicing	Date of fiber manufacturing	1	10
7	PC19. determine environmental conditions and hazards like Earth Potential Rise (EPR) while carrying out the work	You are tasked with splicing a fiber optic cable that runs alongside a railway track. The area experiences frequent lightning strikes during the rainy season. What environmental condition should you consider before starting the splicing work in this area?	Wind speed and direction.	Temperature and humidity levels.	Earth Potential Rise (EPR) due to lightning.	Soil composition and moisture content.	3	10
8	PC7. comply with organisation's current health, safety, security policies and procedures	What should you do before starting any splicing work to comply with health and safety policies?	Skip reading safety guidelines	Conduct a safety inspection of the work area and equipment	Speed up the splicing process	Ignore safety equipment	2	5
9	PC24. use resources such as water, electricity and others responsibly	You are working on a fiber optic splicing project at a construction site where there is limited access to water and electricity. How can you responsibly use resources like water and electricity during fiber optic splicing at a construction site?	Use water sparingly for cleaning fiber optic cables and equipment.	Ensure all equipment is connected to power sources at all times.	Keep equipment running continuously without considering power consumption.	Utilize backup power sources excessively to avoid downtime.	1	7
10	PC30. identify recyclable, non-recyclable and hazardous waste	Which is an example of recyclable waste in optical fibre splicing?	Food waste	Broken equipment	Chemical waste	Cardboard packaging	4	5
11	PC2. inform the supervisor and/or concerned person about any unforeseen disruptions or delays	During a fiber optic installation, adverse weather conditions such as heavy rain or thunderstorms cause work delays. How should you handle it?	Continue working in the adverse weather conditions to avoid further delays.	Notify the supervisor or concerned person about the weather-related delay.	Wait for the weather to improve without informing anyone about the delay.	Post the weather condition on social media	2	7
12	PC9. resolve conflicts within the team/with customers to achieve smooth workflow	While working on a fiber optic installation project, you and your team members have a disagreement about the best approach for cable routing. What is the most effective way to resolve conflicts within the team regarding cable routing?	Discuss and evaluate each team member's perspective to find a compromise.	Continue with the current approach and ignore differing opinions.	Assign blame to the team member with the least experience.	Escalate the issue to higher management for resolution.	1	7
13	PC14. assist team members with disability in overcoming any challenges faced in work	One of your team members has hearing impairment and struggles to follow verbal instructions during fiber optic splicing. How can you support the team member?	Speak louder and slower to ensure understanding.	Ask another team member to interpret instructions verbally.	Provide written instructions or diagrams for tasks.	Encourage the team member to skip tasks	3	7
14	PC2. identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices	What are environmentally sustainable practices in optical fibre splicing?	Using excessive resources	Recycling waste materials	Disposing of hazardous waste improperly	Ignoring waste management	2	7
15	PC13. use internet and social media platforms securely and safely	Which social media pltaform is this?	YouTube	WhatsApp	Instagram	Facebook	4	5
		TOTAL MARKS						**100**