

Question No.	Questions	Option 1	Option 2	Option 3	Option 4	Correct Answer												
1	To ensure dimensional accuracy, measurements must be transferred from _____ and markings must be _____ as per work requirements.	arbitrary points; approximately secured	given reference points; positioned and secured accurately	initial rough estimates; adjusted loosely	site boundaries; roughly placed	2												
2	A surveyor detects a deviation in shaft sinking alignment beyond allowable tolerance. According to approved procedures and statutory requirements, what should be the immediate sequence of actions?	Report deviation → Record corrective plan → Obtain approval → Apply correction	Apply correction → Report deviation → Record plan → Obtain approval	Record deviation → Apply correction → Obtain approval → Report	Obtain approval → Apply correction → Record → Report deviation	1												
3	Match the Following <table><tr><th>Survey Method</th><th>Instrument/Technique</th></tr><tr><td>A. Linear measurement</td><td>1. Theodolite</td></tr><tr><td>B. Angular measurement</td><td>2. Chain/EDM</td></tr><tr><td>C. Triangulation survey</td><td>3. Total Station</td></tr><tr><td>D. Multipurpose survey</td><td>4. GPS-enabled Total Station</td></tr></table>	Survey Method	Instrument/Technique	A. Linear measurement	1. Theodolite	B. Angular measurement	2. Chain/EDM	C. Triangulation survey	3. Total Station	D. Multipurpose survey	4. GPS-enabled Total Station	A-1, B-2, C-3, D-4	A-2, B-1, C-3, D-4	A-2, B-3, C-1, D-4	A-4, B-1, C-3, D-2	2		
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4	Arrange the following advanced survey methods in the logical sequence for establishing a new mine grid:	1-2-4-3	2-1-4-3	1-4-2-3	4-1-2-3	1												
5	While preparing to set up a total station underground, you find the manufacturer's note specifying a temperature operating range narrower than site conditions. The correct	Use as planned since variations are minor	Replace with an instrument rated for those conditions	Reduce exposure time and continue work	Switch to manual measurement tools only	2												
6	Arrange the following in the logical sequence for establishing secondary dimensional control	2-3-4-1	4-2-3-1	2-1-4-3	3-2-4-1	1												
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8	When setting up a theodolite at height, use _____ for initial marking and ensure	steel tape; fixed lighting	chalk line; secure anchoring	paint marker; extended tripod	survey chain; counterweights	2												
9	When moving surveying tripods through a confined underground passage, the most appropriate practice is to:	Carry them fully extended to save time	Collapse and secure them before transport	Drag them to avoid lifting strain	Wrap them in marking tape only	2												
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11	Plans and drawings must be stored in a _____ to prevent damage and preserved in conditions.	metal cabinet; low-light	cardboard tube; ventilated	plastic wrap; outdoor	drawer; open-air	1												
12	Which of the following is an example of applying problem-solving skills as an Assistant Mine Surveyor?	Ignoring measurement errors and continuing the survey	Identifying a measurement error and finding a way to correct it	Delaying work until someone else fixes the problem	Avoiding new tasks that may be challenging	2												
13	While discussing survey results with senior engineers, which action shows good manners?	Listening actively and waiting for your turn to speak	Interrupting to share your opinion immediately	Using slang or informal language during the meeting	Avoiding eye contact when addressed	1												
14	How should an Assistant Mine Surveyor handle survey data on a digital device?	Share it openly on public platforms for quick access	Keep devices unlocked for easy use by anyone	Store it securely and use passwords to protect files	Ignore software updates for the device	3												
15	Which of the following could be a potential business opportunity for a mine survey service provider?	A new mining project requiring detailed land surveys	Reduced demand for surveying services in the region	Closure of multiple mining companies	Government ban on land measurement activities	1												
16	While working in an underground mine, a small electrical fire breaks out near stored explosives. The most appropriate first action is to:	Evacuate and report before attempting extinguishing	Use a CO ₂ extinguisher from a safe distance	Spray water directly on the fire	Isolate ventilation to the area immediately	1												
17	During roof inspection, you detect loose rock and a gas alarm simultaneously. Which is the correct sequence of action?	Secure roof → Ventilate → Report hazard	Ventilate → Evacuate → Report hazard	Evacuate → Ventilate → Secure roof	Report hazard → Secure roof → Ventilate	3												
18	Arrange the steps in correct order for ensuring safe ventilation to a working face:	1-2-3	2-1-3	3-1-2	1-3-2	1												
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20	Hazardous waste such as used oil must be _____ in compliance with guidelines, and	burned on-site; loss of equipment efficiency	stored and disposed; soil contamination	recycled locally; air pollution	buried underground; groundwater recharge	2												
21	While inspecting a high overburden dump, which combination of precautions is most critical for compliance?	Wearing PPE, maintaining safe distance from edge, and following haul road	Wearing PPE only	Checking dump slope visually before approach	Using communication devices only	1												
22	During blasting preparation, a small fire starts near the explosive storage area. Which is the	Evacuate → Inform supervisor → Use water only; PPE	Use extinguisher → Evacuate → Report	Secure area → Evacuate → Use extinguisher	Report → Wait for firefighting team →	1												
23	Maintaining workplace hygiene involves washing hands with _____, disinfecting _____, and keeping the worksite clean.		alcohol-based sanitiser/soap; machines/tools	detergent; haul roads	bleach solution; overburden dumps	2												
24	Arrange the following actions in correct order to minimize environmental impact in opencast	3-1-4-2	1-3-4-2	1-2-3-4	4-1-3-2	3												
25	During underground work, a gas alarm for firedamp leakage is triggered. Which immediate action ensures compliance with	Shut down all electrical equipment and evacuate along designated route	Continue work wearing PPE only	Increase ventilation after completing current task	Report the alarm after the shift ends	1												
26	Arrange the following in the correct order for safe roof support operations in U/G mining:	2-1-4-3	1-3-2-4	1-2-3-4	2-3-1-4	1												
27	1. Scale/dress roof and sidewalls U/G hygiene and safety require using _____, disinfecting _____, and keeping the worksite clean.	PPE; machines/tools	sanitiser; PPE	overalls; haul roads	gloves; coal faces	1												
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