

| No. | Question |
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| 1 | Why should the vibration system not be engaged whilst the roller is stationary on soft ground? |
| 2 | If setting up to work in a pedestrianised area, state THREE factors that need to be taken into account. |
| 3 | During work, the engine starts to overheat. Explain the danger if someone tries to remove the radiator or expansion tank cap. |
| 4 | Using the Operator's Manual, state the procedure for positioning and adjusting the scraper bars. For tyred machines, state the tyres' operating pressure. Note: The Operator's Manual for the machine being used for the test MUST be available for reference by the candidate. |
| 5 | The operator has to use a new type of ride-on roller that they are unfamiliar with. What do Regulations (i.e. PUWER 98) and other guidance require the operator to have? |
| 6 | List SIX typical subject areas that should be covered in a site induction. |
| 7 | On articulated ride-on rollers, the two halves of the chassis can oscillate (or twist). What is the purpose of this? |
| 8 | By how many times is a vibratory pass more effective than a deadweight pass? |
| 9 | What does the Health and Safety at Work Act require employers to do with regards specifically to plant? |
| 10 | If travelling on wet soils, what effect does this have on the ride-on roller? |
| 11 | When would a low-frequency amplitude (or vibration) generally be used? |
| 12 | The roller has to be travelled up a slope. What should be checked before starting? |
| 13 | In general, what types of material are usually used as a sub-base? |
| 14 | What is regarded as the commonest cause for poor compaction? |
| 15 | Before starting work, name SIX checks that should be made to the compacting area. |

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| 16 | What is generally accepted as a rolling pass? |
| 17 | When working in a confined area or space, what danger can be present with an articulated ride-on roller with regards to steering? |
| 18 | What are the possible outcomes of facing prosecution for not complying with legislation and regulations? |
| 19 | What is meant by consolidation? |
| 20 | On articulated ride-on rollers, steering is achieved by actuating a hydraulic ram (or rams), which is controlled by turning the steering wheel. a) How does the engine supply the oil flow and b) what happens to the steering when the engine stops? |
| 21 | When parking the machine at the end of the shift, name THREE places where the ride-on roller should NOT be parked. |
| 22 | a) What is the purpose of a Method Statement and b) what is required of the operator? |
| 23 | What is the purpose of a ROPS cab or frame? |
| 24 | If compacting on a gradient: a) what is the rolling procedure and b) explain why. |
| 25 | What problems and hazards can soft ground cause to a ride-on roller? |
| 26 | Apart from the operator, who else may need to use the machine's Operator's Manual? |
| 27 | Before leaving the cab or seat for a rest break, after parking and switching off the machine, what final action must be carried out? |
| 28 | In what situation does a hard hat NOT need to be worn when operating a ride-on roller? |
| 29 | What is the definition of, or how can a hazard be described? |
| 30 | Name FOUR factors that determine the number of rolling passes. |

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| 31 | What is the purpose of a risk assessment? |
| 32 | Why should a ride-on roller be re-fuelled at the end of the day? |
| 33 | Name FOUR different types or levels of disciplinary actions or sanctions that can be applied (by employers and judicial bodies) to operators of plant who do not comply with, or follow legislation and regulations. |
| 34 | Name THREE ways that a plant operator can contribute in ensuring repeat business with the client or principal contractor. |
| 35 | What is meant by deadweight rolling? |
| 36 | a) What determines the minimum distances that any part of plant and machinery has to be kept from over head electricity lines and b) explain why a distance should be kept. |
| 37 | Name THREE ways in which an operator can minimise their impact upon the environment whilst using the machine. |
| 38 | If the operator has to fill the fuel tank, state TWO precautions to ensure cleanliness of the system. |
| 39 | Where should the first pass be made if rolling a cross-fall or camber? |
| 40 | The operator has been asked to drive the machine onto a transporter/trailer. a) Who is responsible for the loading operations and b) state FOUR actions to be considered by the operator before loading commences? |
| 41 | What is the meaning of this hand signal (being demonstrated by the Tester)? |
| 42 | What are the TWO aims of compaction? |
| 43 | a) What is the minimum distance allowed near open trenches when travelling to the working area with a ride-on roller and b) explain why. |
| 44 | Give THREE possible reasons why ride-on rollers should not stray off the designated travel routes. |

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| 45 | Why must the seat belt be worn at all times, even though a ROPS frame is fitted? |
| 46 | If checking the oil level using a dipstick, why must gloves be worn? |
| 47 | When working in a confined area or space, name THREE hazards that can occur. |
| 48 | If the machine is being travelled or working on the public highway, the Road Traffic Act applies. a) What type of licence and which class should the operator hold and b) what is the minimum age allowed? |
| 49 | Generally, what thickness of soil should be compacted before another layer is laid? |
| 50 | Where should the ride-on roller's Operator's Manual be kept and why? |
| 51 | What THREE main duties of the Health and Safety at Work Act must employees follow? |
| 52 | Why are plant operators generally regarded as 'safety-critical' workers? |
| 53 | How can a qualification or card benefit a plant operator? |
| 54 | Using the Operator's Manual, state the cold-starting procedure for the machine. Note: The Operator's Manual for the machine being used for the test MUST be available for reference by the candidate. |