

# Technical Test Theory

## Industrial Forklift Truck A16

No.	Question
1	<p>If the forklift is being travelled or working on the public highway, the Road Traffic Act applies.</p> <p>a) What type of licence and which classes should the operator hold and            b) what is the minimum age allowed?</p>
2	<p>What is the purpose of a roll or ROPS frame?</p>
3	<p>Name FOUR factors to consider and know before picking up a load.</p>
4	<p>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.</p>
5	<p>On an IC engine forklift, during work, the engine starts to overheat. Explain the danger if someone tries to remove the radiator or expansion tank cap.</p>
6	<p>If fitting an attachment (e.g. a drum clamp), why would a forklift need to be de-rated?</p>
7	<p>A manufacturer must give recommendations on how to travel a forklift up and down inclines.            If this information is not known first hand, what is the general rule about travelling up and down slopes?</p>
8	<p>a) What is meant by the lifting or rated capacity of the forklift and            b) who determines it?</p>
9	<p>How is it possible that forklifts can still tip over, even when travelling on gentle gradients, are not overloaded and not being driven at excessive speed?</p>
10	<p>Why are forklift operators generally regarded as 'safety-critical' workers?</p>
11	<p>Name TWO factors that determine the weight of a load.</p>
12	<p>Name FOUR ways that wet weather can affect forklift operations.</p>

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13	What is the definition of, or how can a hazard be described?
14	How can a qualification or card benefit a plant operator?
15	Forklift operations fall within the scope of the Lifting Operations and Lifting Equipment Regulations (LOLER) 1998. Name TWO requirements of the act with regards to lifting.
16	Why should a diesel-engine forklift be re-fuelled at the end of the day?
17	Before leaving the cab for a rest break, after parking and switching off the machine, what final action must be carried out?
18	Before travelling with a physically large load, name FIVE factors that must be taken into account by the operator before moving.
19	a) What is the purpose of a Method Statement and b) what is required of the operator?
20	What is the purpose of a risk assessment?
21	What problems and hazards can soft ground cause to a loaded forklift?
22	What should be known about the loading out tower or racking before placing loads?
23	Compared to a duplex (double) mast: a) why would a triplex mast be fitted/used and b) what disadvantage does the mast have over the duplex?
24	If placing a variety of loads onto a rigid, flatbed transporter, where should the heaviest loads be placed?

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25	If the load centre of the load is longer (increased) than stipulated for the model of forklift, what effect does it have on the lifting capacity of the machine?
26	If checking the oil level using a dipstick, why must gloves be worn?
27	After placing a load, who is responsible for ensuring the load is safe?
28	Explain THREE checks that should be made to the mast lift chains.
29	As a lifting machine, the forklift must be thoroughly examined. a) What is the purpose of the examination and b) who would carry out the examination?
30	If changing an LPG cylinder, state THREE specific precautions to be observed.
31	When working in a confined area or space: a) what danger can be present with regards to the counterweight of the forklift, b) when should measures be taken and c) what measures should be implemented?
32	Why must the seat belt be worn, even though a ROPS frame is fitted?
33	a) What is meant by the load centre and b) why must it be known for each lift?
34	When working in a confined area or space, name THREE dangers that can be present.
35	The operator has to use a new type of forklift that they are unfamiliar with. What do Regulations (i.e. PUWER 98) and other guidance require the operator to have?
36	State the possible effect of lifting a load when facing downhill on a slope.

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37	What is a possible consequence of using a pneumatic tyre with a deep cut in the sidewall?
38	Before manually changing any attachment: a) where should the attachment be positioned (in relation to the ground) and b) why?
39	Give THREE reasons why it is important that a forklift is not leaning sideways before attempting to lift or place a load.
40	Which parts of the forklift is the load centre usually measured from?
41	Name THREE ways in which an operator can minimise their impact upon the environment whilst using the machine.
42	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.
43	a) What THREE checks would be made specifically to the batteries and b) what specific PPE would be worn?
44	What THREE main duties of The Health and Safety at Work Act must employees follow?
45	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.
46	State FOUR checks that should be made to the forks.
47	An operator has been asked to transport a load along the public highway from one site to another, for which The Road Traffic Act applies. What needs to be taken into account regarding the law?
48	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?

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49	What THREE items must be printed on a forklift's rating plate?
50	What does The Health and Safety at Work Act require employers to do with regards specifically to plant?
51	a) What is the minimum distance allowed near open trenches when travelling with a forklift and b) explain why?
52	Name THREE ways that a plant operator can contribute in ensuring repeat business with the client or main contractor.
53	In what situation does a hard hat NOT need to be worn when operating a forklift?
54	When parking the machine at the end of the shift, name THREE places where the machine should NOT be parked.
55	What are FOUR safety checks that should be made before loading or unloading a suitable vehicle?
56	What is the best method of driving the forklift across humps, drainage gullies etc.?
57	Give FOUR reasons that may cause the machine to tip forwards.
58	When placing onto or lifting a load from a loading out tower or rack: a) why must the forklift's handbrake be on and the transmission in neutral and b) what would be the consequences if this was not done?
59	List SIX typical subject areas that should be covered in a site induction.
60	Name THREE conditions that mirrors on the machine must be in.

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61	Give FOUR reasons that may cause the forklift to tip over sideways.
62	What are the possible outcomes of facing prosecution for not complying with legislation and regulations?
63	If setting up to lift and move loads in a pedestrianised area, state THREE factors that need to be taken into account.
64	Using the Operator's Manual, state the procedure for greasing the mast components. Note: The Operator's Manual for the machine being used for the test MUST be available for reference by the candidate.
65	Where should the Operator's Manual be kept and why?
66	What is the purpose of the counterweight of the machine?
67	Apart from the operator, who else may need to use the machine's Operator's Manual?
68	Before loading an uncoupled trailer, what THREE precautions must be taken?
69	Before picking up a load, why should the forks be equally spaced or distanced on the carriage?
70	What is the meaning of this hand signal (being demonstrated by the Tester)?
71	What are the THREE actions or stages that a forklift operator undertakes during pre-use inspections?