

Technical Test Theory

Hoist A20



No.	Question
1	Name THREE ways that high wind speeds can affect hoist operations?
2	In simple terms, on rack and pinion and passenger/ goods types, how do emergency lowering systems work?
3	How can a qualification or card benefit a hoist operator?
4	On rope-operated types, why is it important to keep sufficient turns of rope on the hoist drum?
5	If long objects need to be carried in hoist cages/platforms a) What THREE things should be checked before travelling and b) what action should be taken if materials cannot be safely contained within the cage/platform?
6	What is the function of an electric interlocking system found on the cage/platform?
7	When placing loads to and from the cage/platform, why should gloves be worn?
8	What THREE pieces of information must be displayed on a goods-carrying hoist?
9	How should cages/platforms be modified to carry long loads?
10	The Safe Working Load (SWL) signifies exactly what?
11	Before starting work, what should be in place should machine failure happen?
12	If the hoist is located in an area of moving vehicles, what systems should be implemented?

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13	What THREE main duties of the Health and Safety at Work Act must employees follow?
14	If a fault is found during pre-use checks: a) who should the fault be reported to and b) when and c) what action must be taken?
15	List SIX typical subject areas that should be covered in a site induction.
16	The operator has to use a new type/model/endorsement of hoist that they are unfamiliar with. What do Regulations (i.e. PUWER 98) and other guidance require the operator to have?
17	What needs to be taken into account to ensure the cage/platform is not overloaded?
18	What is the function of the ultimate limit switches?
19	What does the Health and Safety at Work Act require employers to do with regards specifically to plant?
20	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.
21	Using the Operator's Manual, find the page that deals with emergency lowering procedures. Note: The Operator's Manual for the machine being used for the test MUST be available for reference by the candidate.
22	Before taking passengers up in a hoist, what should be ensured about the individual or individuals?
23	Where should the operators manual or operating instructions/information be kept and why?
24	If there is an increase in noise or excessive vibration is noticed whilst the hoist is in operation, what action should be taken?

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No.	Question
25	a) What is meant by the hoist way and b) what can affect safe hoist operations?
26	What could possibly cause the mast to go out of alignment?
27	a) when should the cage/platform floor be cleaned and b) what other part of the cage/platform should be cleaned (if required)
28	What is the function of a mechanical interlock?
29	Name TWO factors that determine the weight of a load.
30	What is the purpose of a risk assessment?
31	Apart from the operator, who else may need to use the machine's Operator's Manual/operating information?
32	Before leaving the hoist for a rest break, what action must be carried out?
33	a) What is the purpose of a Method Statement and b) who does it apply to?

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34	What should prevent the cage leaving the top of a mast?
35	If the operator can vary the speed on variable speed control hoists: a) what should the operator do when approaching the desired landing and b) why?
36	Name three purposes of the base enclosure around the hoist?
37	If the hoist cage/platform stops between landings, what is the course of action?
38	a) Why must all movement controls be clearly marked as to direction or mode and b) what consequences could occur if controls were not clearly marked?
39	What are the main differences between a passenger-carrying type hoist over a goods type?
40	After installation or after modification e.g. an extra landing is added a) what action must be taken before using the hoist and b) by whom?
41	On a goods type hoist, what should determine where the operator is positioned when operating the hoist?
42	If the operator is unable to see the full length of the hoist way, what action should be taken?
43	When working in a confined area or space with diesel-powered equipment/supporting generators, what TWO dangers can be present?
44	Name THREE ways that inclement, wet weather can affect hoist operations.
45	What is the difference between a transport platform and a passenger/goods combined type?

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46	What is the definition of, or how can a hazard be described?
47	Why are hoist operators generally regarded as 'safety-critical' workers?
48	What is the meaning of this hand signal (being demonstrated by the Tester)?
49	Name THREE ways that a hired-in hoist operator can contribute in ensuring repeat business with the client or principal contractor.
50	What are the THREE actions that a hoist operator undertakes during pre-use inspections?
51	a) Who would determine the number of ties that fix the mast to a structure b) who can remove any ties and c) what action should be taken if ties have gone missing/defective?
52	If a thunderstorm is expected or occurs, what procedure should happen?
53	When loading materials into the cage, what THREE things must be taken into account?
54	After loading the cage/platform, the operator selects a motion but the cage/platform does not travel. Name FOUR possible problems.
55	What checks should be made to the base area/chassis or base frame of a hoist?
56	During building works, new electrical cables are positioned near to the hoist. What TWO actions should be taken?
57	As a machine for the lifting of persons and/or goods, the hoist must be thoroughly examined. a) What is the purpose of the examination and b) who would carry out the examination?

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58	What checks should be made to the mast ties?
59	What are the passenger carrying aspects of goods only type hoists?
60	What are the possible outcomes of facing prosecution for not complying with legislation and regulations?
61	What on-going checks need to be made when travelling the cage/platform?