## **CP** Construction Plant **CS** Competence Scheme

**Technical test - Theory** 

Mobile Crane A60

Questions Only - MSLO (Same as Cskills website)

No.	Question	Answers	Max. Mark
1	What makes up the total (or gross) weight of a load that is to be lifted?		3
2	During work, the engine starts to overheat. Explain the danger if someone tries to remove the radiator or expansion tank cap.		2
3	What is the definition of, or how can a hazard be described?		3
4	What are the possible outcomes of facing prosecution for not complying with legislation and regulations?		3
5	<ul><li>a) What is meant by the lifting capacity of the crane and</li><li>b) who determines it?</li></ul>		2
6	Give FOUR reasons that may cause the crane to overturn.		4
7	What THREE main duties of The Health and Safety at Work Act must employees follow?		6
8	Name TWO things that happen if the hoist rope is not vertical when lifting a load.		2
9	Using the Operator's Manual, state the figure for the tyre pressures. Note: The Operator's Manual for the machine being used for the test MUST be available for reference by the candidate.		2
10	What is the main purpose of the Rated Capacity Indicator (RCI)?		3
11	Using the lifting capacity diagram for A60: a) what is the maximum lifting capacity, b) what boom extension is required for a load weighing 7.6 tonnes needed to be placed at 15 metres radius and c) what counterweight is required?		6

12	Before leaving the cab for a rest break,	2
	after parking and switching off the	
	machine, what final action must be carried	
	out?	
13	On a busy construction site, how would	1
	the slinger/signaller be identified to the	
	crane operator?	
14	When working in a confined area or space:	3
	a) what danger can be present with	
	regards to the counterweight of the	
	machine,	
	b) when should measures be taken and	
	c) what measures should be	
	implemented?	
15	If a load is being slewed too fast for its	4
	size, what TWO factors must the operator	
	and signaller take into account?	
16	Give TWO examples of where The Work at	2
	Height Regulations may apply to mobile	
	crane operations.	
17	How can a qualification or card benefit a	1
	crane operator?	
18	State the functions or job role of the	4
	following personnel:	
	a) appointed person,	
	b) crane supervisor,	
	c) slinger,	
	d) signaller.	
19	What is the purpose of a risk assessment?	2
20	What is meant by the footprint of the	1
	crane?	
21	If checking the oil level using a dipstick,	1
	why must gloves be worn?	
22	Using the Operator's Manual, state the	2
	cold-starting procedure for the crane (can	
	be the drive engine or auxiliary engine).	
	Note: The Operator's Manual for the	
	machine being used for the test MUST be	
	available for reference by the candidate.	
23	Crane operations fall within the scope of	2
	the Lifting Operations and Lifting	
	Equipment Regulations (LOLER) 1998.	
	Name TWO requirements of the	
	regulations with regards to lifting.	
24	If setting up to lift loads in a	3
	pedestrianised area, state THREE factors	
	that need to be taken into account.	
25	When parking the machine at the end of	3
	the shift, name THREE places where the	
	machine should NOT be parked.	
26	Why are crane operators generally	4
	regarded as 'safety-critical' workers?	
27	If radios are to be used during the lifting	5
	operations, what FIVE actions and checks	

before use?         2           28         Which parts of the crane is the radius (for lifting) measured from?         2           29         What is the meaning of this hand signal (being demonstrated by the Tester)?         1           30         The safe working load or working load immediated by the Tester)?         2           30         The safe working load or working load immediated by the Tester)?         2           31         Only two legs of an 8 tonne four-legged chain sing are being used.         1           what is the maximum load that can be lifted?         1           32         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.         3           33         List SIX typical subject areas that should be covered in a site induction.         3           34         What is the purpose of the hoisting limit sit work (also known as the 'chandelier')?         3           35         a) What is the minimum distance allowed near open trenches when travelling the crane?         3           37         In what situation does a hard hat NOT need to be worn when operating a mobile crane?         3           38         When selwing with a load, where should the operator be looking?         1           38         When selwing with a load, where should the operator be looking		mount he mede huthe evene eventer	
28       Which parts of the crane is the radius (for lifting) measured from?       2         29       What is the meaning of this hand signal (being demonstrated by the Tester)?       1         30       The safe working load or working load limit (SWL/WLL) of a multi-leg chain sling only applies in what TWO conditions or configuration?       2         31       Only two legs of an 8 tonne four-legged chain sling are being used. What is the maximum load that can be lifted?       1         32       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.       3         33       List St typical subject areas that should be covered in a site induction.       3         34       What is the minimum distance allowed near open trenches when travelling the crane and b) explain why?       2         36       Name FUREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.       3         37       In what is the purpose of the thore should the operator PA blow when operating a mobile crane?       2         38       When slewing with a load, where should the operator PA blow when operating a mobile crane?       2         39       a) What is the purpose of a Method Statement and b) whot is host speed affected when the number of lines or falls		must be made by the crane operator	
1       lifting) measured from?       1         29       What is the meaning of this had signal (being demonstrated by the Tester)?       1         30       The safe working load or working load init (SWU/WLL) of a multi-leg chain sling only applies in what TWO conditions or configuration?       2         31       Only two legs of an 8 tonne four-legged chain sling are being used.       1         32       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.       3         33       List SIX typical subject areas that should be covered in a site induction.       3         34       What is the munimum distance allowed near open trenches when travelling the crane and b) explain why?       2         36       Name THREE ways that a crane operator cran contribute in ensuring repeat business with the client or principal contractor.       3         37       In what is the purpose of a Method Statement and b) what is the purpose of a Method Statement and b) what is the purpose of a Method Statement and b) what is the purpose of a Method Statement and b) what is the purpose of a Method Statement and b) what is the purpose of a flex of the operator?       4         40       What is the purpose of a Method Statement and b) what is the purpose of a flex of the operator?       2         37       In what situation dest ble worn, even with the cab door closed?       2 <tr< td=""><td>20</td><td></td><td>2</td></tr<>	20		2
29       What is the meaning of this hand signal (being demonstrated by the Tester)?       1         30       The safe working load or working load limit (SWL/WLL) of a multi-leg chain sling only applies in what TWO conditions or configuration?       2         31       Only two legs of an 8 tonne four-legged chain sling are being used.       1         32       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.       4         33       List SIX typical subject areas that should be crane and be applied (by employers and judicial bodies) to operators of the hoisting limit switch (also known as the 'chandelier')?       3         34       What is the purpose of the hoisting limit switch (also known as the 'chandelier')?       3         35       a) What is the purpose of the hoisting limit switch (also known as the 'chandelier')?       3         36       Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.       3         37       In what is tuation does a hard hat NOT need to be worn when operating a mobile crane?       4         38       When slewing with a load, where should the operator be looking?       1         39       a) What is the purpose of a Method Statement and b) what is the purpose of a Method statement and b) why is hois toperator?       2         41       Wha	28		Z
(being demonstrated by the Tester)?30The safe working load or working load limit (SWU/WLL) of an ulti-leg chain sling only applies in what TWO conditions or configuration?231Only two legs of an 8 tonne four-legged chain sling are being used. What is the maximum load that can be lifted?132Name 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.433List SIX typical subject areas that should be covered in a site induction.334What is the purpose of the hoisting limit switch (also known as the 'chandelier')?135a) What is the minimum distance allowed near open trenches when travelling the crane and b) explain why?236Name THRE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.337In what situation does a hard hat NOT need to be worn when operating a mobile crane?238When slewing with a load, where should the operators be looking?139a) What is the purpose of a Method Statement and b) what is required of the operator?241What does The Health and Safety at Work Act require employers to do with regards specifically to plant?342a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) what is the purpose of the examination and243As a lifting machine, the crane must be thoroughly examined. <td>20</td> <td></td> <td>1</td>	20		1
30       The safe working load or working load limit (SWL/WLL) of a multi-leg chain sling only applies in what TWO conditions or configuration?       2         31       Only two legs of a 8 tonne four-legged chain sling are being used.       1         What is the maximum load that can be lifted?       1         32       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.       4         33       List SiX typical subject areas that should be covered in a site induction.       3         34       What is the purpose of the hoisting limit switch (also known as the 'chandelier')?       1         35       a) What is the minimum distance allowed near open trenches when travelling the crane and b) explain why?       2         36       Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.       3         37       In what situation does a hard hat NOT need to be worn when operating a mobile crane?       1         38       When slewing with a load, where should the operator be looking?       1         39       a) What is the purpose of a Method Statement and b) what is required of the operator?       2         41       What does The Health and Safety at Work Act require employers to do with regards specifically to plant?       2         42       a)	29		Т
Iimit (SWL/WLL) of a multi-leg chain sling only applies in what TWO conditions or configuration?       1         31       Only two legs of an 8 tonne four-legged chain sling are being used.       1         32       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.       4         33       List SIX typical subject areas that should be covered in a site induction.       3         34       What is the minimum distance allowed near open trenches when travelling the crane and b) explain why?       1         36       Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.       3         37       In what situation does a hard hat NOT need to be worn when operating a mobile crane?       2         38       When slewing with a load, where should the operator be looking?       1         39       a) What is the purpose of a Method Statement and b) what is required of the operator?       2         41       What does The Health and Safety at Work Act require employers to do with regards specifically to plant?       3         42       a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) what is the purpose of the examination and       2	30		2
only applies in what TWO conditions or configuration?       1         31       Only two legs of an 8 tonne four-legged chain sling are being used.       1         What is the maximum load that can be lifted?       1         32       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.       4         33       List SIX typical subject areas that should be covered in a site induction.       3         34       What is the purpose of the hoisting limit switch (also known as the 'chandelier')?       1         35       a) What is the minimum distance allowed near open trenches when travelling the crane and b) explain why?       2         36       Name THREE ways that a crane operator can contribute in ensuring repeat business with the clent or principal contractor.       3         37       In what situation does a hard hat NOT need to be worn when operating a mobile crane?       2         38       When slewing with a load, where should the operator?       2         40       what is the purpose of a Method Statement and b) what is required of the operator?       4         41       What as the unmose of a Method statement and b) what is required of the operator?       4         42       a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) what is negured of lines or falls of rop	30		2
configuration?       1         31       Only two legs of an 8 tonne four-legged chain sling are being used.       1         what is the maximum load that can be lifted?       1         32       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.       4         33       List SIX typical subject areas that should be covered in a site induction.       3         34       What is the minimum distance allowed near open trenches when travelling the crane and b) explain why?       2         36       Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.       3         37       In what situation does a hard hat NOT need to be worn when operating a mobile crane?       2         38       When slewing with a load, where should the cab door closed?       4         41       What is the purpose of a Method Statement and b) what is required of the operator?       4         42       a) What is the purpose of a Method Statement and b) what is required of the operator?       4         43       As a lifting machine, the crane must be thrown, even with the cab door closed?       4         44       Statement and b) what is the purpose of a falls of rope lis reduced?       2         45       As a lifting machine, the crane mu			
31       Only two legs of an 8 tonne four-legged chain sing are being used. What is the maximum load that can be lifted?       1         32       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.       4         33       List SIX typical subject areas that should be covered in a site induction.       3         34       What is the purpose of the hoisting limit switch (also known as the 'chandelier')?       1         35       a) What is the minimum distance allowed near open trenches when travelling the crane and b) explain why?       2         36       Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.       3         37       In what situation does a hard hat NOT need to be worn when operating a mobile crane?       2         38       When slewing with a load, where should the cay belo closed?       1         40       What is the purpose of a Method Statement and b) what is required of the operator?       2         41       What does The Health and Safety at Work Act require employers to do with regards specifically to plant?       3         42       a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls		,	
chain sling are being used.       What is the maximum load that can be lifted?         32       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.       4         33       List SIX typical subject areas that should be covered in a site induction.       3         34       What is the purpose of the hoisting limit switch (also known as the 'chandelier')?       1         35       a) What is the minimum distance allowed near open trenches when travelling the crane and b) explain why?       2         36       Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.       3         37       In what situation does a hard hat NOT need to be worn when operating a mobile crane?       2         38       When slewing with a load, where should the coperator?       4         40       Why must the seat belt be worn, even with the cab door closed?       4         41       What is coperator?       4         42       a) How does the number of lines or falls of rope is reduiced?       2         43       As a lifting machine, the crane must be thoroughly examined.       2         44       a) How does the number of lines or falls of rope is reduiceed?       2	21		1
What is the maximum load that can be lifted?         32       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.       4         33       List SIX typical subject areas that should be covered in a site induction.       3         34       What is the purpose of the hoisting limit switch (also known as the 'chandelier')?       3         35       a) What is the minimum distance allowed near open trenches when travelling the crane and b) explain why?       2         36       Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.       3         37       In what situation does a hard that NOT need to be worn when operating a mobile crane?       2         38       When slewing with a load, where should the operator be looking?       4         39       a) What is nequired of the operator?       4         40       Why must the sate belt be worn, even with the cab door closed?       3         41       What does The Health and Safety at Work Act require employers to do with regards specifically to plant?       3         42       a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?       2         43       As a lifting machine, the	21		T
lifted?432Name 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.433List SIX typical subject areas that should be covered in a site induction.334What is the purpose of the hoisting limit switch (also known as the 'chandelier')?135a) What is the minimum distance allowed near open trenches when travelling the crane and b) explain why?236Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.337In what situation does a hard hat NOT need to be worn when operating a mobile crane?239a) What is the purpose of a Method Statement and b) what is trequired of the operator?440Why must the seat belt be worn, even with the cab door closed?241What does The Health and Safety at Work Act require employers to do with regards specifically to plant?342a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and2			
32       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.       4         33       List SiX typical subject areas that should be covered in a site induction.       3         34       What is the purpose of the hoisting limit switch (also known as the 'chandelier')?       3         35       a) What is the minimum distance allowed near open trenches when travelling the crane and b) explain why?       2         36       Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.       3         37       In what situation does a hard hat NOT need to be worn when operating a mobile crane?       2         38       When slewing with a load, where should the operator be looking?       1         39       a) What is the purpose of a Method Statement and b) what is required of the operator?       4         40       Why must the seat belt be worn, even with the cab door closed?       2         41       What is showed of the sor falls of rope is reduced?       2         42       a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?       2         43       As a lifting machine, the crane must be throroughly examined. a) What is the purpose of the examination and<			
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.433List SIX typical subject areas that should be covered in a site induction.334What is the purpose of the hoisting limit switch (also known as the 'chandelier')?135a) What is the minimum distance allowed near open trenches when travelling the crane and b) explain why?236Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.337In what situation does a hard hat NOT need to be worn when operating a mobile crane?238When slewing with a load, where should the operator be looking?140Why must the seat belt be worn, even with the cleath and Safety at Work Act require employers to do with regards specifically to plant?342a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and2	32		
be applied (by employers and judicial bodies) to operators of plant who do not comply with, or follow legislation and regulations.       4         33       List SIX typical subject areas that should be covered in a site induction.       3         34       What is the purpose of the hoisting limit switch (also known as the 'chandelier')?       1         35       a) What is the minimum distance allowed near open trenches when travelling the crane and b) explain why?       2         36       Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.       3         37       In what situation does a hard hat NOT need to be worn when operating a mobile crane?       2         38       When slewing with a load, where should the operator be looking?       1         39       a) What is the purpose of a Method Statement and b) what is required of the operator?       4         41       What does The Health and Safety at Work Act require employers to do with regards specifically to plant?       3         42       a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?       2         43       As a lifting machine, the crane must be throroughly examined. a) What is the purpose of the examination and       2	52		
bodies) to operators of plant who do not comply with, or follow legislation and regulations.433List SIX typical subject areas that should be covered in a site induction.334What is the purpose of the hoisting limit switch (also known as the 'chandelier')?135a) What is the minimum distance allowed near open trenches when travelling the crane and b) explain why?236Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.337In what situation does a hard hat NOT need to be worn when operating a mobile crane?238When slewing with a load, where should the operator be looking?139a) What is the purpose of a Method Statement and b) what is required of the operator?440Why must the seat belt be worn, even with the cab door closed?241What does The Health and Safety at Work Act require employers to do with regards specifically to plant?242a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hois typeed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be throroughly examined. a) What is the purpose of the examination and2			
comply with, or follow legislation and regulations.333List SiX typical subject areas that should be covered in a site induction.334What is the purpose of the hoisting limit switch (also known as the 'chandelier')?135a) What is the minimum distance allowed near open trenches when travelling the crane and b) explain why?236Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.337In what situation does a hard hat NOT need to be worn when operating a mobile crane?238When slewing with a load, where should the operator be looking?139a) What is the purpose of a Method Statement and b) what is required of the operator?440Why must the seat belt be worn, even with the cab door closed?241What does The Health and Safety at Work Act require employers to do with regards specifically to plant?242a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines of ralls of rope) is reduced?243As a lifting machine, the crane must be throoughly examined. a) What is the purpose of the examination and2			4
regulations.333List SIX typical subject areas that should be covered in a site induction.334What is the purpose of the hoisting limit switch (also known as the 'chandelier')?135a) What is the minimum distance allowed near open trenches when travelling the crane and b) explain why?236Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.337In what situation does a hard hat NOT need to be worn when operating a mobile crane?238When slewing with a load, where should the operator be looking?139a) What is the purpose of a Method Statement and b) what is required of the operator?440Why must the seat belt be worn, even with the cab door closed?241What does The Health and Safety at Work Act require employers to do with regards specifically to plant?242a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be throroughly examined. a) What is the purpose of the examination and2			
33       List SIX typical subject areas that should be covered in a site induction.       3         34       What is the purpose of the hoisting limit switch (also known as the 'chandelier')?       1         35       a) What is the minimum distance allowed near open trenches when travelling the crane and b) explain why?       2         36       Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.       3         37       In what situation does a hard hat NOT need to be worn when operating a mobile crane?       2         38       When slewing with a load, where should the operator be looking?       1         39       a) What is the purpose of a Method Statement and b) what is required of the operator?       4         40       Why must the seat belt be worn, even with the cab door closed?       2         41       What does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?       2         43       As a lifting machine, the crane must be throroughly examined. a) What is the purpose of the examination and       2			
covered in a site induction.34What is the purpose of the hoisting limit switch (also known as the 'chandelier')?135a) What is the minimum distance allowed near open trenches when travelling the crane and b) explain why?236Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.337In what situation does a hard hat NOT need to be worn when operating a mobile crane?238When slewing with a load, where should the operator be looking?139a) What is the purpose of a Method Statement and b) what is required of the operator?440Why must the seat belt be worn, even with the cab door closed?241What does the Health and Safety at Work Act require employers to do with regards specifically to plant?342a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be throroughly examined. a) What is the purpose of the examination and2	33	0	3
34       What is the purpose of the hoisting limit switch (also known as the 'chandelier')?       1         35       a) What is the minimum distance allowed near open trenches when travelling the crane and b) explain why?       2         36       Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.       3         37       In what situation does a hard hat NOT need to be worn when operating a mobile crane?       2         38       When slewing with a load, where should the operator be looking?       1         39       a) What is the purpose of a Method Statement and b) what is required of the operator?       4         40       Why must the seat belt be worn, even with the cab door closed?       2         41       What does The Health and Safety at Work Act require employers to do with regards specifically to plant?       3         42       a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?       2         43       As a lifting machine, the crane must be throughly examined. a) What is the purpose of the examination and       2	55		5
switch (also known as the 'chandelier')?35a) What is the minimum distance allowed near open trenches when travelling the crane and b) explain why?236Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.337In what situation does a hard hat NOT need to be worn when operating a mobile crane?238When slewing with a load, where should the operator be looking?139a) What is the purpose of a Method Statement and b) what is required of the operator?440Why must the seat belt be worn, even with the cab door closed?241What does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be throughly examined. a) What is the purpose of the examination and2	34		1
35a) What is the minimum distance allowed near open trenches when travelling the crane and b) explain why?236Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.337In what situation does a hard hat NOT need to be worn when operating a mobile crane?238When slewing with a load, where should the operator be looking?139a) What is the purpose of a Method Statement and b) what is required of the operator?440Why must the seat belt be worn, even with the cab door closed?241What does The Health and Safety at Work Act require employers to do with regards specifically to plant?342a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be throughly examined. a) What is the purpose of the examination and2	5.		-
near open trenches when travelling the crane and b) explain why?3636Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.337In what situation does a hard hat NOT need to be worn when operating a mobile crane?238When slewing with a load, where should the operator be looking?139a) What is the purpose of a Method Statement and b) what is required of the operator?440Why must the seat belt be worn, even with the cab door closed?241What does The Health and Safety at Work Act require employers to do with regards specifically to plant?342a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and2	35		2
crane and b) explain why?36Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.337In what situation does a hard hat NOT need to be worn when operating a mobile crane?238When slewing with a load, where should the operator be looking?139a) What is the purpose of a Method Statement and b) what is required of the operator?440Why must the seat belt be worn, even with the cab door closed?241What does The Health and Safety at Work Act require employers to do with regards specifically to plant?342a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and2	55		-
b) explain why?336Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.337In what situation does a hard hat NOT need to be worn when operating a mobile crane?238When slewing with a load, where should the operator be looking?139a) What is the purpose of a Method Statement and b) what is required of the operator?440Why must the seat belt be worn, even with the cab door closed?241What does The Health and Safety at Work Act require employers to do with regards specifically to plant?342a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and2			
36       Name THREE ways that a crane operator can contribute in ensuring repeat business with the client or principal contractor.       3         37       In what situation does a hard hat NOT need to be worn when operating a mobile crane?       2         38       When slewing with a load, where should the operator be looking?       1         39       a) What is the purpose of a Method Statement and b) what is required of the operator?       4         40       Why must the seat belt be worn, even with the cab door closed?       2         41       What does The Health and Safety at Work Act require employers to do with regards specifically to plant?       3         42       a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?       2         43       As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and       2			
can contribute in ensuring repeat business with the client or principal contractor.237In what situation does a hard hat NOT need to be worn when operating a mobile crane?238When slewing with a load, where should the operator be looking?139a) What is the purpose of a Method Statement and b) what is required of the operator?440Why must the seat belt be worn, even with the cab door closed?241What does The Health and Safety at Work Act require employers to do with regards specifically to plant?342a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and2	36		3
with the client or principal contractor.37In what situation does a hard hat NOT need to be worn when operating a mobile crane?238When slewing with a load, where should the operator be looking?139a) What is the purpose of a Method 	30		3
37In what situation does a hard hat NOT need to be worn when operating a mobile crane?238When slewing with a load, where should the operator be looking?139a) What is the purpose of a Method Statement and b) what is required of the operator?440Why must the seat belt be worn, even with the cab door closed?241What does The Health and Safety at Work Act require employers to do with regards specifically to plant?342a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and2			
need to be worn when operating a mobile crane?138When slewing with a load, where should the operator be looking?139a) What is the purpose of a Method Statement and b) what is required of the operator?440Why must the seat belt be worn, even with the cab door closed?241What does The Health and Safety at Work Act require employers to do with regards specifically to plant?342a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and2	37		2
crane?138When slewing with a load, where should the operator be looking?139a) What is the purpose of a Method Statement and b) what is required of the operator?440Why must the seat belt be worn, even with the cab door closed?241What does The Health and Safety at Work Act require employers to do with regards specifically to plant?342a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and2			-
38When slewing with a load, where should the operator be looking?139a) What is the purpose of a Method Statement and b) what is required of the operator?440Why must the seat belt be worn, even with the cab door closed?241What does The Health and Safety at Work Act require employers to do with regards specifically to plant?342a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and2		-	
the operator be looking?39a) What is the purpose of a Method Statement and b) what is required of the operator?440Why must the seat belt be worn, even with the cab door closed?241What does The Health and Safety at Work Act require employers to do with regards specifically to plant?342a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and2	38		1
39a) What is the purpose of a Method Statement and b) what is required of the operator?440Why must the seat belt be worn, even with the cab door closed?241What does The Health and Safety at Work Act require employers to do with regards specifically to plant?342a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and2		-	_
Statement and b) what is required of the operator?240Why must the seat belt be worn, even with the cab door closed?241What does The Health and Safety at Work Act require employers to do with regards specifically to plant?342a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and2	39	· · · ·	4
40Why must the seat belt be worn, even with the cab door closed?241What does The Health and Safety at Work Act require employers to do with regards specifically to plant?342a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and2			-
40Why must the seat belt be worn, even with the cab door closed?241What does The Health and Safety at Work Act require employers to do with regards specifically to plant?342a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and2		b) what is required of the operator?	
with the cab door closed?41What does The Health and Safety at Work Act require employers to do with regards specifically to plant?342a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and2	40		2
41What does The Health and Safety at Work Act require employers to do with regards specifically to plant?342a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and2			
Act require employers to do with regards specifically to plant?242a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and2	41		3
specifically to plant?42a) How does the number of lines or falls of rope affect the lifting capacity for the crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?243As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and2		-	
42       a) How does the number of lines or falls of rope affect the lifting capacity for the crane and       2         b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?       2         43       As a lifting machine, the crane must be thoroughly examined.       2         a) What is the purpose of the examination and       2			
crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?4343As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and2	42		2
crane and b) how is hoist speed affected when the number of lines (or falls of rope) is reduced?4343As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and2			
number of lines (or falls of rope) is reduced?       2         43       As a lifting machine, the crane must be thoroughly examined.       2         a) What is the purpose of the examination and       and			
number of lines (or falls of rope) is reduced?       2         43       As a lifting machine, the crane must be thoroughly examined.       2         a) What is the purpose of the examination and       and		b) how is hoist speed affected when the	
43As a lifting machine, the crane must be thoroughly examined. a) What is the purpose of the examination and2			
thoroughly examined. a) What is the purpose of the examination and		reduced?	
a) What is the purpose of the examination and	43	As a lifting machine, the crane must be	2
and		-	
		a) What is the purpose of the examination	
b) who would carry out the examination?		and	
		b) who would carry out the examination?	

44	Apart from the operator, who else may		1
44	need to use the machine's Operator's		1
	Manual?		
45	a) Which part of the crane applies loading		3
45	or pressure to the ground and		5
	b) name TWO ways that pressure can be		
	reduced.		
46	Wind speeds can be variable throughout		1
40	the working day. What action must be		1
	taken to ensure safe working conditions are maintained?		
47	What effect can a swinging load have on a		1
47	crane?		1
48	Two cranes are working in the same		2
40	vicinity that encroach the operating radius		2
	of each. What actions would the lift plan		
	or method statement normally specify?		
49	Name THREE ways in which an operator		3
45	can minimise their impact upon the		5
	environment whilst using the machine.		
50	If a load is slewed rather quickly, what		2
50	TWO initial effects does it have on the		2
	load whilst slewing?		
51	The operator has to use a new model of		3
51	mobile crane that they are unfamiliar with.		5
	What do Regulations (i.e. LOLER 98) and		
	other guidance require the operator to		
	have?		
52	a) What determines the minimum		4
	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.		
53	What is the purpose of a roll or ROPS		2
	frame?		
54	If the hook block inadvertently		2
	(accidentally) lands, what course of action		
	should be taken?		
55	When must a banksman or signaller be		2
	used before moving a crane?		
56	The number of falls has been changed on		2
	the hook block. How has this action		
	affected the RCI?		
57	If a load of 40 tonnes is lifted on four falls		
	or lines of rope, what is the tension in		1
	each fall or line?		
58	Why should a crane be re-fuelled at the		1
	end of the day?		
59	As the crane rotates through 360 degrees		2
	with a load, what happens to the loading		
	on each outrigger or wheel?		
60	When would a fly jib or lattice extension		1
	be fitted and used?		
		•	

61	Name THREE ways in which wind speed can affect the lifting operation.		3
62	During the lifting operation, part of the task cannot be carried out as detailed in the lift plan. a) What initially must happen to the lifting operation and b) who authorises any changes?		2
63	Where should the Operator's Manual be kept and why?		2
64	If the words STOP NOW are given to the crane operator by radio during the lift, what action must the operator take?		2
65	If the crane has to travel on the public highway, the Road Traffic Act applies. a) What type of licence and which classes should the operator hold and b) what is the minimum age allowed?		2
66	What is the purpose of counterweight(s) on the crane?		1
67	Name TWO ways that wet weather can affect lifting operations.		2
68	If asked to travel with a suspended load, name FIVE factors that must be taken into account by the operator before moving.		5
69	An operator has been asked to pick and carry a load down a small section of the public highway, for which The Road Traffic Act applies. What effect does this have on crane operations?		2
70	How does the deflection of the boom or jib affect the lift?		2
71	What is the difference between a contract lift and a 'standard' crane hire?		2
72	What are the THREE actions or stages that a crane operator undertakes during pre- use inspections?		3
73	<ul> <li>a) Who only can authorise partial outrigger extensions and</li> <li>b) what is the effect on lifting capacity by partially extending the outriggers?</li> </ul>	a) The manufacturer. b) The lifting capacity is normally reduced.	2