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| **No.** | **Question** |
| 1 | If the hook block inadvertently (accidentally) lands, what course of action should be taken? |
| 2 | Name THREE ways in which wind speed can affect the lifting operation. |
| 3 | What do the words SWL, as stamped on lifting accessories, signify? |
| 4 | What is the main purpose of the Rated Capacity Indicator (RCI)? |
| 5 | What are the possible outcomes of facing prosecution for not complying with legislation and regulations? |
| 6 | If radios are to be used during the lifting operations, what FIVE actions and checks must be made by the crane operator before use? |
| 7 | On a busy construction site, how would the slinger/signaller be identified to the crane operator? |
| 8 | If the legs of a chain sling are more than 90 degrees apart from each other, what happens to the SWL? |
| 9 | What checks should be made to the transmitter of a remote-controlled POTC before work? |
| 10 | 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. |
| 11 | Apart from the operator, who else may need to use the machine’s Operator’s Manual? |
| 12 | What is jib deflection and when does it occur? |
| 13 | Two cranes are working in the same vicinity that encroach the operating radius of each. What actions would the lift plan or method statement normally specify? |
| 14 | Using the Operator’s Manual or other, state the procedure for changing the number of falls on the hook block. Note: The Operator’s Manual for the machine being used for the test MUST be available for reference by the candidate. |
| 15 | a) Where must the load radius diagram be located and b) what information must it contain? |
| 16 | Name TWO advantages of using a POTC over other forms of lifting equipment. |
| 17 | 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? |
| 18 | Apart from lifting using the hook, what other type of work can POTCs undertake? |
| 19 | If assisting in erecting a POTC, why is it important that the manufacturer’s procedures are followed precisely? |
| 20 | A POTC has been delivered to site, assembled and configured for lifting. What must be carried out before lifting starts and by whom? |
| 21 | Name TWO things that happen if the hoist rope is not vertical when lifting a load. |
| 22 | What is the meaning of this hand signal (being demonstrated by the Tester)? |
| 23 | When slewing with a load, where should the operator be looking? |
| 24 | How can a qualification or card benefit a crane operator? |
| 25 | If a load is slewed rather quickly, what TWO initial effects does it have on the load whilst slewing? |
| 26 | Using the Operator’s Manual or other, state the maximum wind speed the crane may be operated in. Note: The Operator’s Manual for the machine being used for the test MUST be available for reference by the candidate. |
| 27 | Only two legs of an 8 tonne four-legged chain sling are being used. What is the maximum load that can be lifted? |
| 28 | 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? |
| 29 | What makes up the total (or gross) weight of a load that is to be lifted? |
| 30 | Wind speeds can be variable throughout the working day. What action must be taken to ensure safe working conditions are maintained? |
| 31 | On inclined jib types, what must be undertaken after the jib is inclined? |
| 32 | Why are crane operators generally regarded as ‘safety-critical’ workers? |
| 33 | What effect can a swinging load have on a crane? |
| 34 | When would a load require netting? |
| 35 | a) What is meant by the lifting capacity of the crane and b) who determines it? |
| 36 | What do The Work at Height Regulations require of crane operations? |
| 37 | What is the purpose of a risk assessment? |
| 38 | At the end of the shift: a) in what position should jibs and trolleys be left in and b) why? |
| 39 | What is the definition of, or how can a hazard be described? |
| 40 | What problems can be created when operating the crane in high-speed drive? |
| 41 | The safe working load or working load limit (SWL/WLL) of a multi-leg chain sling only applies in what TWO conditions or configuration? |
| 42 | a) When is a trial lift carried out and b) name THREE checks to be made? |
| 43 | What prevents the hook block from contacting the jib pulley? |
| 44 | If a load of 8 tonnes is lifted on two falls or lines of rope, what is the tension in each fall or line? |
| 45 | What information is needed when estimating the weight of a load? |
| 46 | 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. |
| 47 | What THREE main duties of The Health and Safety at Work Act must employees follow? |
| 48 | Using the lifting capacity diagram for A63 – with a jib length of 33 metres: a) what is the maximum possible lifting capacity in tonnes, b) what is the lifting capacity at 20 metres radius using four falls of rope and c) what is the difference in maximum lifting capacity between a two-falls hook block and a four-falls hook block in two-falls mode? |
| 49 | During a rest break, or leaving the crane for a short period, what action should be taken for the control box? |
| 50 | What is the purpose of counterweight(s) on the crane? |
| 51 | What is the purpose of the flags situated on the jib? |
| 52 | What would happen if the operator faces the crane whilst using remote control? |
| 53 | The number of falls has been changed on the hook block. How has this action affected the RCI? |
| 54 | The operator has to use a new model of POTC that they are unfamiliar with. What do Regulations (i.e. LOLER 98) and other guidance require the operator to have? |
| 55 | What is the difference between a contract lift and a ‘standard’ crane hire? |
| 56 | What are the THREE actions or stages that a crane operator undertakes during pre-use inspections? |
| 57 | List SIX typical subject areas that should be covered in a site induction. |
| 58 | What is meant by centre of gravity, or how is the centre of gravity determined, on a load to be lifted? |
| 59 | Which parts of the crane is the radius (for lifting) measured from? |
| 60 | a) What checks should be made to the ground conditions and b) when should the checks be made? |
| 61 | What does The Health and Safety at Work Act require employers to do with regards specifically to plant? |
| 62 | At the end of the shift: a) what THREE security measures should be applied and b) why? |
| 63 | Name THREE ways in which an operator can minimise their impact upon the environment whilst using the machine. |
| 64 | State the functions or job role of the following personnel: a) appointed person, b) crane supervisor, c) slinger, d) signaller. |
| 65 | If the words STOP NOW are given to the crane operator by radio during the lift, what action must the operator take? |
| 66 | If setting up to lift loads in a pedestrianised area, what main factor needs to be taken into account? |
| 67 | a) What is the purpose of a Method Statement and b) what is required of the operator? |
| 68 | Name THREE ways that a hired-in crane operator can contribute in ensuring repeat business with the client or principal contractor. |
| 69 | If a load is slewed too fast for it's size, what TWO factors must the operator (and signaller) take into account? |
| 70 | Where should the Operator’s Manual be kept and why? |
| 71 | Name TWO ways that wet weather can affect lifting operations. |