

knowledge assessment

Job role- Rigger -Precast Erection

Total Marks-180 Marks

Each NOS - 30 Marks

Infrastructure: Classroom, Benches, Pens, pencils

QP Code-CON/Q0703

Duration- 150 Minutes

CON/N0709: Provide support in heavy lifting of precast units

1 When operating with crane, This standard hand signal is used for

Marks



4

- a. Swing the boom
- b. Raise the boom
- c. Emergency stop**
- d. All the above

2 What is abbreviation WLL stands for

4

- a. wind load limit
- b. Working load limit**
- c. Water load limit
- d. None of The above

3 Is this a correct positing of lifting madrel in precast unit to be lifted.

3



- a. True
- b. False**

4 Which of following is temporary work involved handling transportation and erection precast units

4

- a. Grout pads
- b. Erection bracing
- c. Wind bracing
- d. None of the above

5 The cushioning is one of the method by which intransit damage of precast unit is prevented

3

- a. true
- b. False**

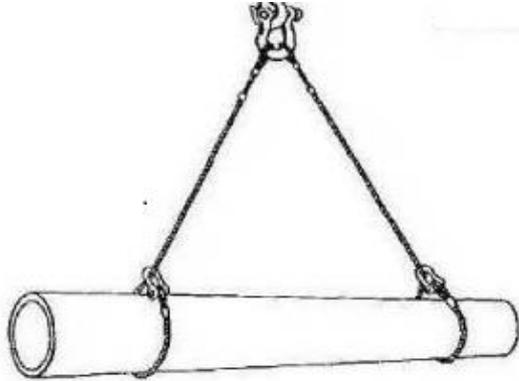
6 The manner of delivery of precast units depends on

4

- a. Size
- b. dimesnion
- c. Weight
- d. All of the above**

7 Identify the Hitch used in rigging

4



- a. **double choker hitch**
- b. vertical hitch
- c. double basket hitch
- d. None of the above

8 Which of following is not use din heavy lifting of precast units

3

- a, Tower crane
- b. Mobile crane
- c. **forklift**
- d, None of the above

CON/N0710: Unload, position and align RCC precast components

9 What is correct sequence of erection of vertical precast componet

4

- a. Setting out
 - b. lifting and installation
 - c. grouting work
 - d. joint casting and sealing
- a. **abcd** b. dcba c. cbda d. bcad

10 Why shim plates are used in installtion of precast concrete component

4

- a. To give strength
- b. To give good appearance
- c. **for setting level of elements**
- d. None of the above

11 what should be installed for setting level for external wall of column to be installed

4

- a. compressor form
- b. baker rod
- c. **both of these**
- d. None of the above

12 How the precast elements should be temporarily secured after lifting to its designated location

4

- a. by Wire rope of crane
- b. **by fixing diagonal props**
- c. No need to support or secure
- d. None of the above

13 Which of following tool is used for checking the verticality of erected precast element

4

- a. Level tube
- b. Plumb bob
- c. Right angle
- d. none of above

- The hoisting cable of crane can be released from load after checking the stability of supported props.
- 14 a. True 3
 B. False
- 15 In erection work, The angle of chain slings with vertical should be generally 4
 a. Not more than 30 degree
 b. Not more than 45 degree
c. Not more than 60 degree
 d. All the above
- 16 if weight is concentrated on one side of rectangular body, The hook point should be directly above the centre of gravity 3
a. True
 b. False

CON/N0711: Apply grout and caulking agents in RCC Precast components

- 17 Why should dirt ,dust ,grease and form release be removed before grouting in precast construction 4
a. it reduces the bond between grouting material and concrete
 b. it produces stain
 c. it produces cracks
 d. None of the above
- 18 The curing of grouting material used in connection of precast concrete elements is necessary 3
a. yes
 b. No
- 19 Which of following is not a method of surface preparation before grouting 4
 a. High pressure water jetting
 b. chipping
 c. blast cleaning
d. None of the above
- 20 Which of following method is used to mix grouts 4
a. Electric drill
 b. spade
 c. hand
 d. None of the above
- 21 What is maximum time allowed for application of grout after mixing 4
 a. 180 Minutes
 b. 90 Minutes
 c. 60 Minutes
d. 30 Minutes
- 22 What should be minimum mixing time of grout 4
a. 3 minutes
 b. 5 minutes
 c. 1 min
 d. None of the above
- 23 The caulk has long service life than sealants 3
 a. yes
b. No
- 24 What is use of primer in caulking process 4
a. It helps in enhancing adhesion between concrete and caulk

- b. It removes air pockets
- c. It removes the contaminants
- d. None of the above

CON/N8001: Work effectively in a team to deliver desired results at the workplace

- 25 Which of the following is not type of oral communication 3
- a. face to face meeting
 - b. telephonic talk
 - c. written notes**
 - d. Video conferencing
- 26 A rigger-precaster needs writing skills to 3
- a. Make a list of tools and tackles
 - b. Report if any accident takes place while working on site
 - c. Achieve career progress
 - d. All of the above**
- 27 What is supposed to be done if tool gets damaged while executing the task? 4
- a. Hide the problem with senior
 - b. Put blame on other team member
 - c. Inform to the reporting senior about the damage**
 - d. Dispose the damaged tool without informing anybody
- 28 At the start of the work, the Rigger must inform his assistant regarding 4
- a. The nature of the engineer-in-charge
 - b. The weather forecast
 - c. The description of work and technique to be used**
 - d. The likely punishment for not completing in time
- 29 Which of the following leads to failure of teamwork 4
- a. Lack of clear roles and responsibilities in team
 - b. Lack of competent team members
 - c. Not understanding clear objective of work
 - d. All of the above**
- 30 Which of the following is considered as a negative development for a team 4
- a. Cooperation
 - b. Mutual understanding
 - c. Communication gap**
 - d. Helping each other
- 31 As a team member, what best can be done after the assigned work is completed? 4
- a. Mutual understanding
 - b. Hand it over to the customer and leave
 - c. Help team members to complete their task as well**
 - d. Ask for another task from the customer

CON/N8002: Plan and organize work to meet expected outcomes

- 32 Which of the following Document is generally used, if materials are required at site? 3
- a. Material Requisition form
 - b. pour card
 - c. Project tracker
 - d. Progress report
- 33 Which one of the following is not responsibility of rigger-Pre-cast erection 3
- a. cutting and bending of reinforcement bar
 - b. Apply grouting and caulking agent to precast components.**
 - c. constructing masonry wall

- d. Operating vibratory tandem roller
- 34 Which of the following document is essential to understand the timelines to compete the targets? 4
- a. Work schedule**
- b. Technical specifications
- c. Work permit
- d. Completion report
- 35 What is the first work the rigger -Precast Erection should do for starting a new work? 4
- a. Collect the materials
- b. Collect the tools
- c. Discuss and plan the details of the work with his supervisor
- d. Discuss and plan the details of the work with the client
- 36 whom should Rigger-Pre cast Erection report to for work. 4
- a. Supervisor- Roadways and Runways
- b. Forman-Rigging
- c. Supervisor-site Ehs
- d. Foreman-Reinforcement
- 37 Which of the following is the manpower who assist a rigger -structural Erection 4
- a. Assistant Mason
- b. khalasi-Assistant rigger
- c. Assistant bar bender
- d. Foreman- Roadways & Runways
- 38 Which of the following statement you feel correct while engaging tools? 4
- a. Stop production and train the helpers
- b. Inform supervisor to provide trained helper**
- c. Force helpers to do their work
- d. Hand over the helpers to other team

CON/N9001: Work according to personal health, safety and environment protocol at construction site

- 39 Whom should employee report in case of accident at site 4
- a. Store representatives
- b. Plant and machinery representative
- c. Accounts representatives
- d. EHS Representatives
- 40 Which of the following safety training is mandatory for workers before entering a new site? 4
- a. Induction training
- b. First aid training
- c. Refresher training
- d. Specific training
- 41 Tools box is a small informal meeting to refresh worker knowledge and exchange 3
- TRUE
- FALSE
- 42 Which of the following PPE must be worn while doing rigging work 4
- a. Safety shoes
- b. Reflective jacket
- c. Hand gloves
- d. All the above
- 43 Which of following is not an advantage of housekeeping 4
- a. Reduced handling to ease flow of materials
- b. Better control of tools and materials including inventory and supplies

- c. Fewer tripping and slipping accidents
 - d. None of the above
- 44 Where should hazardous waste be dumped? 4
- a. Mixed and dumped with other waste
 - b. Returned to the store
 - c. In a designated waste yard
 - d. Let it lie in work place
- 45 Fall protection is mandatory for working at height 3
- a. True
 - b. False