

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 precastunits

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**

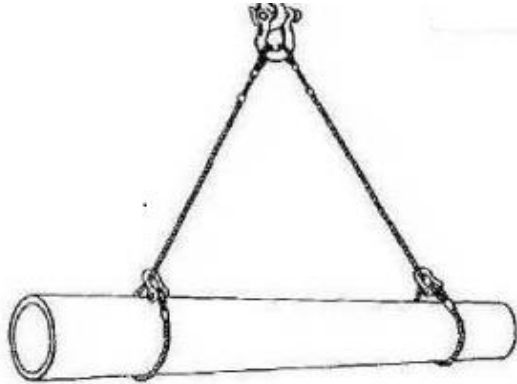
6 The manner of delivery of precast units depends on

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 complete 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