1. When operating with crane, this standard hand signal is used for
   a. Swing the boom
   b. Raise the boom
   c. Emergency stop
   d. All the above

2. What is abbreviation WLL stands for?
   a. wind load limit
   b. Working load limit
   c. Water load limit
   d. None of the above

3. Is this a correct positioning of lifting madrel in precast unit to be lifted.
   a. True
   b. False

4. Which of the following is temporary work involved handling transportation and erection of precast units?
   a. Grout pads
   b. Erection bracing
   c. Wind bracing
   d. None of the above

5. The cushioning is one of the methods by which intransit damage of precast unit is prevented.
   a. True
   b. False

6. The manner of delivery of precast units depends on
   a. Size
   b. Dimenison
   c. Weight
   d. All of the above
7 Identify the Hitch used in rigging

- 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

- 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 component

- 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 installation of precast concrete component

- 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

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

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

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

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

- 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  
B. False

15 In erection work, the angle of chain slings with vertical should be generally
a. Not more than 30 degree  
b. Not more than 45 degree  
c. Not more than 60 degree  
d. All the above

if weight is concentrated on one side of rectangular body, the hook point should be directly above the centre of gravity

16
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
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
a. yes  
b. No

19 Which of following is not a method of surface preparation before grouting
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
a. Electric drill  
b. Spade  
c. Hand  
d. None of the above

21 What is maximum time allowed for application of grout after mixing
a. 180 Minutes  
b. 90 Minutes  
c. 60 Minutes  
d. 30 Minutes

22 What should be minimum mixing time of grout
a. 3 minutes  
b. 5 minutes  
c. 1 min  
d. None of the above

23 The caulk has long service life than sealants
a. yes  
b. No

24 What is use of primer in caulking process
a. It helps in enhancing adhesion between concrete and caulk
Which of the following is not type of oral communication
a. face to face meeting
b. telephonic talk
c. written notes
d. Video conferencing

A rigger-precast Erection needs writing skills to
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

What is supposed to be done if tool gets damaged while executing the task?
   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

At the start of the work, the Rigger must inform his assistant regarding
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

Which of following leads to failure of teamwork
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

Which of the following is considered as a negative development for a team
a. Cooperation
b. Mutual understanding
c. Communication gap
d. Helping each other

As a team member, what best can be done after the assigned work is completed?
   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

Which of following Document is generally used ,if materials are required at site?
   a. Material Requisition form
   b. pour card
   c. Project tracker
   d. Progress report

Which one of following is not responsibility of rigger-Precast erection
   a. cutting and bending of reinforcement bar
b. Apply grouting and caulking agent to precast components.
c. constructing masonry wall
Which of the following document is essential to understand the timelines to compete the targets?

a. **Work schedule**
b. Technical specifications
c. Work permit
d. Completion report

What is the first work the rigger -Pre cast Erection should do for starting a new work?

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

Whom should Rigger-Pre cast Erection report to for work.

a. Supervisor- Roadways and Runways
b. Foreman-Rigging
c. Supervisor-site Ehs
d. Foreman-Reinforcement

Which of the following is the manpower who assist a rigger -structural Erection

a. Assistant Mason
b. khalasi-Assistant rigger
c. Assistant bar bender
d. Foreman- Roadways &Runways

Which of the following statement you feel correct while engaging tools?

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

Whom should employee report in case of accident at site

a. Store representatives
b. Plant and machinery representative
c. Accounts representatives
d. EHS Representatives

Which of the following safety training is mandatory for workers before entering a new site?

a. Induction training
b. First aid training
c. Refresher training
d. Specific training

Tools box is a small informal meeting to refresh worker knowledge and exchange

TRUE
FALSE

Which of the following PPE must be worn while doing rigging work

a. Safety shoes
b. Reflective jacket
c. Hand gloves
d. All the above

Which of following is not an advantage of housekeeping

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?
    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
    a. True
    b. False