

- Q.4 The type of water retaining structures to facilitate underground construction, which are temporary in nature does not become part of final structure is called
- a) Cofferdams b) Caisson
c) Piling d) Pedestal
- Q.5 As per BOCW Central Rules, 1998, the employer shall ensure at a construction site of a building or other construction work that all portable electrical hand tools and inspection lamps used underground or in a confined space at an excavation or tunnelling work are operated at a voltage not exceeding _____ volts.
- a) 30 b) 24
c) 20 d) 35
- Q.6 All unprotected edges at elevated platforms shall be provided with
- a) Hand rails b) Toe guard
c) Anchorage point d) Both A & B
- Q.7 The use of prefabricated, protective structures such as trench boxes is known as
- a) Shoring b) Shielding
c) Sloping d) Benching
- Q.8 The Height to Base Width ratio for ensuring independent scaffold stability is recommended as per IS code is
- a) 3:1 b) 4:1
c) 5:1 d) 6:1
- Q.9 While providing ladder for exit from trench, the ladder should project at least _____ m from top level or excavated trench as per IS 3674?
- a) 2 b) 1
c) 0.75 d) 1.75

- Q.10 The zone of demolition while dismantling of a building of height H should be at least _____ as per BOCW Central Rules, 1998.
- a) 1.5 x H b) 0.5 x H
c) 2.5 x H d) 3.5 x H

SECTION-B

Note: Very Short answer type questions. Attempt any ten questions out of twelve questions. (10x2=20)

- Q.11 What is the function of anemometer in ensuring safety during Crane operation?
- Q.12 What are the safety provisions related to entry and exit into an excavated pit?
- Q.13 Write a short note on personal fall protection systems.
- Q.14 Write a short note on Safety precautions during Piling works in construction.
- Q.15 Write a short note on Ladder Safety.
- Q.16 Write a short note on function of buffer stopper in EOT cranes.
- Q.17 Write short note on safety provision in High rise building construction for Fall protection.
- Q.18 What do you mean by Permit to work?
- Q.19 What do you mean Electrocution?
- Q.20 What do you mean by a Flame proof equipment?
- Q.21 What do you mean by Loss Time Accident?
- Q.22 Write a short note on Over Head powerlines related safety provisions at construction sites.

SECTION-C

Note: Short answer type Questions. Attempt any eight questions out of ten Questions. (8x5=40)

- Q.23 Prepare checklist for the safety inspection for mechanical excavation at construction site.