



- Q.6 What type of mounting system is appropriate for a flat concrete roof? (CO2)  
 a) horizontal system    b) vertical system  
 c) tilted system        d) none of the above
- Q.7 When lifting a tall wet lead acid battery to the site how should the battery be handled? (CO4)  
 a) With two installers at each end when it is on its side then tipped up.  
 b) In an upright position  
 c) Using hooks through the battery terminals  
 d) Carried on the shoulder
- Q.8 Identify the best location for the inverter from the list. (CO2)  
 a) Inside a sealed box  
 b) Outside and exposed to sunshine  
 c) Near to, but not directly above, the battery  
 d) On the battery
- Q.9 On the basis of rotation solar tracking system are (CO2)  
 a) single axis solar tracker  
 b) double axis solar tracker  
 c) both (a) and (b)  
 d) none of the above
- Q.10 To make sure all PV projects are completed safely, employers should have policies and procedures which are (Co3)  
 a) Provide necessary equipment to do job right  
 b) Provide training to all workers  
 c) Allow workers to work fast and profitably ( or efficient)  
 d) all of the above

## SECTION-B

**Note:** Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 Define tilt angle. (CO2)  
 Q.12 Write the two uses of solar panel. (CO2)  
 Q.13 Define solar module. (CO1)  
 Q.14 Name which type of storage device is preferred for residential and commercial applications. (CO1)  
 Q.15 Name the material used for making solar panel mounting structure. (CO1)  
 Q.16 Which current is produced by solar panel and name the converter used to convert that current. (CO2)  
 Q.17 Write the two example of non-monetary rewards. (CO3)  
 Q.18 Write one benefit of individual's role in the workflow. (CO3)  
 Q.19 List the two operating hazardous tools. (CO4)  
 Q.20 Write one name of hazardous material in PV industry. (CO4)

## SECTION-C

**Note:** Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Enlist the component used in on grid photovoltaic power generation systems. (CO1)  
 Q.22 Write the difference between PV cell, PV panel, PV array, PV module. (CO1)  
 Q.23 Describe the handling procedure of solar panels. (CO4)  
 Q.24 Explain the different types of solar charge controller. (CO2)