

## SAMPLE QUESTIONS – TOWER TECHNICIAN

1. If the air cooled condenser fins of split AC get blocked, what problem it will create?

- A. Poor condensation
- B. Fan speed low
- C. Condenser coil choke
- D. Fins blocked

Correct Answer - A

[7.5 / Medium]

2. Identify the correct option for the question mark as below in case of problems with various diesel generator systems.

Leakage : cooling systems

(?) : electrical systems

- A. Sediment
- B. Corrosion
- C. Coolant
- D. Leaks

Correct Answer - B

[10 / Difficult]

3. While maintaining the checklist for fire safety instrument, identify the large pipe among the following images recommended to be kept near the staircase or in the duct .



A. **Fire-Hydrant-Valve**



B. **fire alarm**



C. **fire hose box**



D. **air release valve**

Correct Answer - C

[7.5 / Medium]

4. In order to control fire hazards, arrange the below steps in their proper sequence:

1. Evaluate risks posed by fire hazards
2. Monitor hazards and review the control measure
3. Install fire safety instruments at proper places
4. Apply certain measures to control the evaluated risk
5. Identify the hazard

- A. 4>3>1>5>2
- B. 2>4>3>5>1
- C. 1>2>3>4>5
- D. 5>1>3>4>2

Correct Answer - D

[7.5 / Medium]

5. While conducting a preventive maintenance, you find high current flow in the circuit and immediately rush to control it as you are aware of its consequences. Identify the effect of high current, that could lead to fire hazard and equipment damage as well.

- A. Electric Arcs
- B. Thermal Contact Burns
- C. Ground Fault Circuit Interrupters
- D. Pressure Waves

Correct Answer - A

[7.5 / Medium]

6. Identify the floor marking that is used to indicate, 'areas to be kept clear' for safety reasons around emergency access points, electric panels, fire fighting equipment etc.



Correct Answer - B

[7.5 / Medium]

7. Choose the minimum distance that must be kept clear in front of the electric panel?

- A. 6'
- B. 63'
- C. 36'
- D. 18'

Correct Answer - C

[7.5 / Medium]

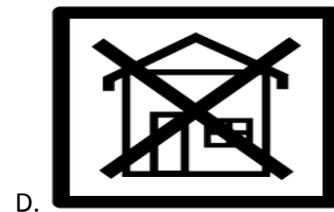
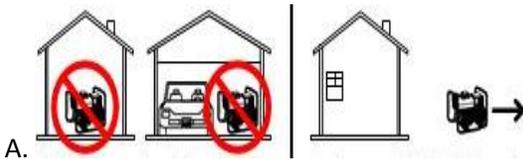
8. Choose the correct statement by correlating the following incidents.

1. To keep the internal temperature in control and ensure electrical safety from excessive temperature, you installed one AC in the control room.
  2. Since then you require more diesel in the diesel generator.
- A. AC works for full day on high power so temperature monitoring must be done
  - B. Fuel consumption in DG increased due to low maintenance of generator
  - C. Fuel consumption in DG increased due to high temperature outside the control room
  - D. AC requires more power hence fuel consumption in DG has increased

Correct Answer - D

[7.5 / Medium]

9. Generators consume more fuel & result in excessive emission of carbon monoxide. Select the label that displays, 'DG should be kept outdoors'.



Correct Answer - A

[7.5 / Medium]

10. Explain the necessity of reporting excessive consumption of fuel in DG to the supervisor, so as to control fire accidents.
- A. Increase in fuel consumption may increase temperature which can cause accident, if not taken care of
  - B. Increase in fuel consumption may be due to faulty engine which may cause accident, if not taken care of
  - C. It will actually reduce cost because DG is working efficiently
  - D. Increase in fuel consumption will cause harm to natural resources, hence we must cut down on the same

Correct Answer - B

[7.5 / Medium]

11. You are doing a work area audit as per the company's' checklist. While calculating the fuel consumption of DG, you observe that it is running for half time than usual on 50% load. Which sentence in a report explains the exact problem in DG ?
- A. DG needs to be maintained more frequently
  - B. Efficiency of DG is reduced
  - C. Fuel consumption of DG is increased
  - D. This parameter of DG check must be altered in audit checklist

Correct Answer - C

[7.5 / Medium]

12. While performing a visual check on DG for coolant mixed in engine lubricating oil, which colour do you get on dipstick?
- A. Milky colour
  - B. Red colour
  - C. Mussy paste
  - D. Colour of coolant

Correct Answer - A

[5.5 / Easy]

13. Suppose you have been given a target to resolve 500 complaints in a month. For each extra resolution you will receive a bonus of 100 rs. While if you resolve less than 500 resolutions, then for each less resolution a fine of 50 rs is to be deducted. Your monthly income is 15,000.

Considering the above, if in one month you did 550 resolutions and in the other month you could do only 460 resolutions, then what will be your final income for two months combined?

- A. 33,000 Rs
- B. 35,000 Rs
- C. 30,000 Rs
- D. 27,000 Rs

Correct Answer - A

[5.5 / Easy]

14. From the given tasks on the checklist of preventive maintenance, identify the task which must be checked or performed on a daily basis.

- A. Inspecting motor alignment and coupling
- B. Checking all belts and pulleys and adjusting as needed
- C. Checking whether all equipment are operational and safety systems are in place
- D. Changing gear reducer lubricant with factory-recommended oil

Correct Answer - C [7.5 / Medium]

15. As per given maintenance plan, estimate the next timing for 'battery charging system' in a month, if first check was done at 9.00 AM on the 1/5/2018

- A. At 9.00 AM on the 1/6/2018
- B. At 9.00 PM on 1/5/2018
- C. At 5.00 PM on 1/5/2018
- D. At 9.00 AM on 8/5/2018

Correct Answer - D [5.5 / Easy]

16. Choose the correct option that explains the 'Beat Plan Execution'.

- A. It is to check the site down time
- B. It is a daily activity list provided to the resource which contains activities for that day
- C. It has nothing to do with site up-time
- D. It is a monthly activity list provided to the resource which contains activities for that day

Correct Answer - B [7.5 / Medium]

17. Site downtime for preventive maintenance enables us to: (Choose the most appropriate option)

- A. continue work as it is
- B. keep a check on site downtime
- C. stop any unplanned event to halt production and remain in site uptime
- D. keep a check on site uptime

Correct Answer - C [5.5 / Easy]

18. From the given options, choose the correct impact of brownout and the way to perform its site down PM.

- A. Impact : Short circuiting occurs  
Site down PM : Insulators can be used to avoid the damage
- B. Impact : A rapid overheating occurs  
Site down PM : Circuit protector can be used to avoid loss due to it
- C. Impact : Drop in the electrical power supply causes lights to become dim  
Site down PM : Backup power system can be installed to avoid outage due to it
- D. Impact : A complete loss of a power occurs  
Site down PM : Backup power system can be installed to avoid outage due to it

Correct Answer - C [5.5 / Easy]

19. Identify the average interval of DG servicing as a thumb rule, when you have constantly rising complaints due to out aging of DG & are required to adhere to the exact servicing schedules in order to attain closure on such complaints.

- A. Every 24 hours
- B. Every 500 hours
- C. Every 50 hours
- D. Every 150 hours

Correct Answer - D

[5.5 / Easy]

20. After verifying the electricity bill against power interface unit, what will you do?

- A. Pay the bill immediately
- B. Attach the bill to the file and continue with your work
- C. Handover the electricity bill to the concerned person in the site
- D. Will ignore and continue with what I was doing

Correct Answer - C

[5.5 / Easy]

21. The main supply fails in the site and neither the DG start nor you hear the alarm ringing. Which among the following alarm is faulty and needs to be checked?

- A. Door open alarm
- B. Mains failure alarm
- C. DG fails to start alarm
- D. DG fails to stop alarm

Correct Answer - B

[10 / Difficult]

22. How would you identify the faulty alarm at site so as to attend it?

- A. Check for every alarm individually
- B. Check for data set signals in computer.
- C. Create a dummy set off for alarm, if any doesn't ring then attend it.
- D. Call your supervisor to guide you

Correct Answer - C

[10 / Difficult]

23. You are supposed to interact with the owner of the site & various suppliers on a regular basis. During one such interactions, you talk to the fuel provider about the quality of fuel. Identify the odd one out if you are talking about the prime reasons for degradation of fuel.

- A. Gelling
- B. Water contamination
- C. Kerosene adulteration
- D. Fuel treatment

Correct Answer - D

[10 / Difficult]

24. What will you do as a Site Manager if you come to know that a person X has wrongly filled diesel generator with petrol?

- A. Nothing as petrol also works fine in a diesel generator
- B. Since petrol is lighter fuel than diesel and once in a while it's okay to run on petrol
- C. Open the drain filter immediately and drain out the petrol.
- D. Nothing, as that isn't your responsibility and the person X has to face the consequences

Correct Answer - C [5.5 / Easy]

25. Identify the most probable reason for a sudden site block when all the other functions were going on well.

- A. Over supply of fuel
- B. Short running of fuel
- C. Unavailability of technicians
- D. To follow supervisor's order to stop the work

Correct Answer - B [5.5 / Easy]

26. From the given options, choose what must be done by an ideal tower technician to prevent the situation like site lock due to insufficient fuel?

- A. Threaten the service providers to provide fuel
- B. Request help from a colleague
- C. Plan for back up of fuel
- D. Ask supervisor to arrange fuel at time of need

Correct Answer - C [5.5 / Easy]

27. What will you do if you notice fault in the following while taking reading (as shown in the image)?

- A. This is DG meter fault must be reported to the supervisor
- B. Change the meter without testing or repairing
- C. Inform the police of the electricity theft
- D. Impose fine on the subscriber as he didn't inform earlier

Correct Answer - A [10 / Difficult]

28. On 1/1/2018 you are changing an air filter of a genset at a site that you received from another site technician. While doing that you made a report comprising of the following points:

1. Closing fuel level (31/12/2017) at 12.00 midnight : 125 liters
2. Closing fuel level (1/1/2018) at 12.00 midnight : 185liters
3. Fuel filled : 250 liters

What will be the amount of fuel consumed in 24 hours?

- A. 60 liters
- B. 190 liters

- C. 65 liters
- D. 125 liters

Correct Answer - B

[10 / Difficult]

29. You arrive at a site to move the genset from one place to another. After moving you try to switch on the genset but fail to do so. Identify the most probable cause from the given options.

- A. Diesel not filled in genset
- B. Petrol not filled in the genset
- C. Because the genset has been moved to a new place
- D. Petrol and oil supply is interrupted

Correct Answer - A

[5.5 / Easy]

30. Given below are steps for corrective action. You observe loose nut of cylinder head and damage or leakage in the gasket of cylinder while moving the gen set from one room to another. Arrange the steps in proper sequence

1. Tighten the nut of cylinder head in the diagonal sequence
2. When the engine with the new gasket is heating, tighten the nut of cylinder head again.
3. Check the gasket of cylinder as per the standard requirement.

- A. 1>2>3
- B. 2>1>3
- C. 3>1>2
- D. 1>3>2

Correct Answer - D

[5.5 / Easy]

31. You observe less number of screws in your repair toolkit that you kept near the genset and purchase the screws from a shop to resolve the issue of incorrect valve clearance. How will you report this to your supervisor? (Choose the most appropriate action)

- A. By attaching a copy of the purchase receipt as evidence along with data of actual number of screws present in the toolkit
- B. By calling the supervisor and suspecting a housekeeping person for theft
- C. By not reporting the theft & ignoring it
- D. By purchasing new screws from own pocket and hiding the suspected theft from the supervisor

Correct Answer - A

[5.5 / Easy]

32. After reaching the site for performing regular maintenance task, you observe the lock to the control room to be broken. How will you report this to your supervisor? (Choose the most appropriate action)

- A. By moving around the area and finding the thief

- B. By calling the supervisor immediately & sending the photographs as well
- C. By ignoring the broken lock and continuing with routine work
- D. By calling a colleague and asking him to visit the place

Correct Answer - B

[5.5 / Easy]

33. Match the following:

a. Repairing broken motor belt	1	Preventive maintenance
b. Changing oil every 15 days	2	Scheduled maintenance
c. Replacing motor brushes	3	Corrective maintenance

- A. a <-->2  
b <-->1  
c <-->3
- B. a <-->3  
b <-->1  
c <-->2
- C. c <-->2  
a <-->1  
b <-->3
- D. a <-->2  
b <-->3  
c <-->1

Correct Answer - A

[10 / Difficult]

34. Arrange the following actions in their proper sequence:

1. Problem 2. Cause 3. Diagnosis 4. Rectification

- A. 1-->4 -->2 -->3
- B. 1-->2 -->3 -->4
- C. 3-->1 -->2 -->4
- D. 2-->1 -->3 -->4

Correct Answer - B

[10 / Difficult]

35. What is the right time to report any theft at the site to the supervisor?

- A. When the supervisor comes to visit the site and finds the item/s missing
- B. Immediately after you don't find the item's at their respective location
- C. After checking for the misplaced item/s and completing the investigation at your level
- D. At the time of work area audit

Correct Answer - C

[5.5 / Easy]

36. What will you include in your report, if you don't get the desired output even after performing the site maintenance as per the plan?

- A. Datasheet of machine
- B. Cost of repair
- C. Risks involved
- D. Actual technical condition

Correct Answer - D

[5.5 / Easy]

37. What will you do to ensure non occurrence of a repetitive fault?

- A. Use OEM parts
- B. Change the entire set up
- C. Close the site
- D. Replace parts from other site

Correct Answer - A

[5.5 / Easy]

38. When you perform the maintenance as per the plan, there is some time elapsed between the failure of the machine and when it gets back in operation. What is it called as?

- A. Rework time
- B. Break-down time
- C. Idle time
- D. Halt time

Correct Answer - B

[5.5 / Easy]

39. Define 'frequency' in corrective maintenance checklist?

- A. Time required to complete certain activity
- B. A technical parameter
- C. Number of days after which the activity is repeated
- D. Number of cycles per unit time

Correct Answer - C

[5.5 / Easy]

40. What is the only thing needed to rectify the fault, when all other necessary resources are available?

(Choose the most appropriate option)

- A. Budget
- B. Permissions
- C. Spare parts
- D. Documented maintenance plan

Correct Answer - D

[5.5 / Easy]