

# Autoconer Tenter

## Theory ( Questions : 26 )

- Q1. All of the following should be done while taking the charge of the shift from an Autoconer Tenter, **except** which one?
- A. Use of appropriate PPE (Personal protective equipment) as per the instructions
  - B. Understand the technical details from the previous shift operator
  - C. Restart the machine with new ring cops
  - D. Ensure that the Over Head Travelling Cleaner (OHTC) is working properly
- Q2. Which of the following problems should be reported or clarified from the supervisor while taking charge of the shift from an Autoconer Tenter?
- 1. If a cone drum is idle
  - 2. If there is any problem in the proper functioning of the winding unit
- A. Both 1 and 2
  - B. Only 2
  - C. Only 1
  - D. Neither 1 nor 2
- Q3. Which of the following information should be provided while handing over the shift to another autoconer tenter?
- 1. Count produced
  - 2. Idle cone drums
  - 3. If any signal lamp is flashing
- A. Only 1 and 2
  - B. Only 2 and 3
  - C. All 1, 2 and 3
  - D. Only 3

Q4. Which of the following can be the possible reason(s) if the given message is displayed on the display panel of an autoconer machine?

**Message:** "No active winding unit in patrol direction"

1. Winding unit has no connection to the machine bus
2. Winding unit is free of voltage
3. Cradle opener fails to reach the end position in 3 seconds.

- A. Only 1 and 2
- B. Only 1
- C. Only 2
- D. Only 3

Q5. Which of the following can be the possible cause of the cauliflower defect as shown in the image?



- A. Cradle pressure is low
- B. The RH flank of the package is as far to the right as possible
- C. Cones of less taper are used
- D. Yarn tension is too low

Q6. While processing the waxed counts, you have to change the waxing roll by stopping the machine, then the status of the wax roll monitoring can be all of the following, **except** which one?

- A. Message only
- B. Instant stop
- C. Stop after X minutes
- D. OFF

Q7. If the overload switch of a motor trips, then which of the following signal would be given by the signal lamps?

- A. Flashing red light
- B. Flashing yellow light
- C. Steady yellow light
- D. Steady red light

Q8. While replenishing the cone/sleeve magazine, which of the following should be considered?

1. The cones should be inline
2. The cones should be on top of each other
3. The cone base should be on the right-hand side

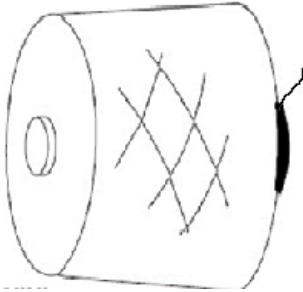
- A. Only 1
- B. Only 2
- C. Only 1 and 2
- D. Only 1 and 3

Q9. Which of the following parameters should be considered while checking the cone package?

1. Length of the yarn
2. Diameter
3. Weight

- A. Only 1 and 2
- B. Only 2 and 3
- C. Only 1 and 3
- D. All 1, 2 and 3

Q10. Which of the following can be the possible reason for a missing or wrongly placed transfer tail as shown in the image?



- A. Polyurethane rings are used on RH adaptor
- B. The distance between suction arm and package is small
- C. Using defective or damaged cones/sleeves with yarn catch notch
- D. The yarn tension of the transfer tail is neither too high or too low

Q11. Which of the following needs to be cleaned on a daily basis?

1. Suction Drive
2. Suction pipe shutter
3. Wet splicer

- A. Only 1 and 2
- B. Only 3
- C. All 1, 2 and 3
- D. Only 1 and 3

Q12. Which of the following precautions should be taken while cleaning a wet splicer by spraying soapy water?

1. The yarn tension sensor should be protected from the soapy water
2. Water must be demineralized
3. pH level of the soapy water should be between 2 to 4

- A. Only 1 and 2
- B. Only 2 and 3
- C. All 1, 2 and 3
- D. Only 1 and 3

Q13. Which of the following should be considered to ensure safety during cleaning and maintenance process?

1. Use of plastic nozzle for cleaning of housings
2. Use of sharp-edged tools for maintenance work
3. Use of approved cleaning material

- A. Only 1 and 2
- B. All 1, 2 and 3
- C. Only 1 and 3
- D. Only 2 and 3

Q14. Which of the following should be used while cleaning a yarn tension sensor?

- A. Compressed air
- B. Cleaning detergent
- C. Rubbing it using bare hands
- D. Soft hairbrush

Q15. Which of the following are the added responsibilities of an Autoconer Tenter?

1. Identifying the defects in the yarn and spinning cops
2. Understanding all the signs and messages generated by the machine
3. Reporting to the supervisor

- A. Only 1 and 2
- B. Only 2 and 3
- C. All 1, 2 and 3
- D. Only 1 and 3

Q16. Which of the following should be considered while lifting and handling heavy weight from the ground?

1. The back should be kept straight
2. Bend your knees while lifting
3. Weight should be kept close to the body

- A. Only 1 and 2
- B. Only 2 and 3

- C. Only 1 and 3
- D. All 1, 2 and 3

Q17. Which of the following is the correct sitting posture while monitoring the screen of an autoconer machine?

A.



B.



C.



D.



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- Q18. Which of the following should be used for cleaning an autoconer machine?
- A. Steam with pressure
  - B. Oil based cleaners
  - C. Compressed air
  - D. Water spray
- Q19. Which of the following is/are necessary for good communication skills in the workplace?
1. Being a good listener
  2. Effective non-verbal communication
  3. Empathy
- A. Only 1 and 2
  - B. Only 2 and 3
  - C. Only 1
  - D. All 1, 2 and 3
- Q20. Adaptability should be shown in each of the following situations, **except** which one?
- A. Working with new technology
  - B. Working in an unsafe workplace
  - C. Working in other departments
  - D. Working with new colleagues
- Q21. In which of the following situation the OFF position of the machine's main breaker switch should be secured by attaching a padlock to the switch handle?
1. While removing the safety parts and devices from the machine
  2. While performing the maintenance or repair work on mechanical or electrical components
  3. While scaling the machine's upper portion
- A. Only 1 and 2
  - B. Only 2 and 3
  - C. All 1, 2 and 3
  - D. Only 1 and 3

Q22. Which safety sign of a personal protective equipment (PPE) should be placed at the entrance gate if there is a lot of noise in the workplace?

A.



B.



C.



D.



Q23. What does the following sign represent in case of emergency evacuation?



A. Exit way



- B. Work in a group of four
- C. Assembly point
- D. Exit in a group of four

Q24. Arrange the following steps of self-learning in the correct order-

1. Set learning goals
2. Engage in the learning process
3. Assess readiness to learn
4. Evaluate learning

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

Q25. Which of the following in the 5S standards represents the cleaning and hygiene to be maintained in the workplace?

- A. Seiso
- B. Seiton
- C. Seiri
- D. Seiketsu

Q26. Which of the following should be considered while having a cross-functional interaction?

1. Critical information should not be disclosed
2. Follow organizational protocols
3. Ask personal questions during the interaction

- A. Only 1 and 2
- B. Only 2 and 3
- C. Only 1 and 3
- D. All 1, 2 and 3

**Viva ( Questions : 12 )**

Q1. Mention three things that you should ensure while taking the charge of a shift.

Correct Answer:

Following things should be considered while taking the charge of the shift-

1. Autoconer machine is working properly
2. Workplace area and tools are clean and in a good condition
3. Waste collection boxes are empty

- A. Correct
- B. Partially Correct
- C. Incorrect

Q2. Mention any three guidelines for the collection of waste.

Correct Answer:

Following guidelines should be followed while collecting waste-

1. Waste should be collected from the waste collection bags
2. It should be weighed and then transported to the storage area
3. Waste should be collected from the machine separately for each shift

- A. Correct
- B. Partially Correct
- C. Incorrect

Q3. What is the priority order of the signal lamp lights given below?

- Flashing yellow
- Steady Red
- Flashing Red
- Steady yellow

Correct Answer:

The priority order is-

1. Flashing Red
2. Steady Red
3. Flashing yellow
4. Steady yellow

- A. Correct
- B. Partially Correct
- C. Incorrect

Q4. Mention any three types of yarn winding defects.

Correct Answer:

Yarn winding defects are-

1. Cauliflower
2. Cobwebs
3. Ring formation

- A. Correct
- B. Partially Correct
- C. Incorrect

Q5. Explain the autoconer splicing procedure.

Correct Answer:

Procedure is-

1. Positioning the yarns
2. Sucking up of the yarn ends
3. Loosening and opening of the yarn ends
4. Pulling the yarn back into the prism
5. Intermingling and twist insertion

- A. Correct
- B. Partially Correct
- C. Incorrect

Q6. Mention the precautions that you should take while replenishing the cone magazine.

Correct Answer:

Precautions that must be followed are-

1. The cones should be inline
2. The cones should not be on top of each other
3. The cone base should be on the right-hand side

- A. Correct
- B. Partially Correct
- C. Incorrect

Q7. Mention three things that you should ensure while cleaning a splicer.

Correct Answer:

While cleaning a splicer, following things should be kept in mind-

1. Clean the splicer head with compressed air
2. Use maintenance spray for shears
3. Protect yarn tension sensor against spray liquid.

- A. Correct
- B. Partially Correct
- C. Incorrect

Q8. Mention the precautions that should be taken while cleaning control compartment.

Correct Answer:

Precautions while cleaning control compartment-

1. Control compartment should be opened only when the machine is switched off.
2. The main breaker switch has to be set in position "0"
3. Padlock the main breaker switch against unauthorized manipulation.

- A. Correct
- B. Partially Correct
- C. Incorrect

Q9. What are the benefits of working in a comfortable position with the correct posture?

Correct Answer:

Benefits of working in the correct posture are-

1. It helps to keep bones and joints in correct alignment
2. It reduces the stress on the ligaments
3. Portrays a better and more confident image

- A. Correct
- B. Partially Correct
- C. Incorrect

Q10. Mention any four ways of building a good team coordination.

Correct Answer:

Ways for building good team coordination are-

1. A common goal should be set for the team.
2. Roles should be demarcated clearly
3. Using effective communication system
4. Assisting the team members in case of any problem

- A. Correct
- B. Partially Correct
- C. Incorrect

Q11. Identify the purpose of different safety sign colors.

1. Blue
2. Green
3. Yellow
4. Red

Correct Answer:

1. Blue - Mandatory things
2. Green - Safe condition
3. Yellow - Warning
4. Red – Prohibition

- A. Correct
- B. Partially Correct
- C. Incorrect

Q12. Mention some methods that can help you enhance your self-development.

Correct Answer:

1. One should take responsibility for his/her actions
2. One should be accountable towards the job role
3. One should take an initiative

- A. Correct
- B. Partially Correct
- C. Incorrect

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**Practical ( Questions : 29, Passages : 8 )**

Passage: Demonstrate the knowledge of steps that you should perform in order to take charge of the shift from the previous shift autoconer tenter.

Q1. Candidate comes a little early to the workplace, carrying required tools and PPE, and collects the instructions from the supervisor.

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

Q2. Candidate is able to understand the technical details related to production count, colour coding, information shown on the display board from the previous autoconer tenter.

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

Q3. Candidate ensures the proper functioning of autoconer and availability of ring cops and takes the shift charge.

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

**Passage:** You have been assigned the responsibility of carrying out general tenting by operating autoconer machine. Demonstrate the knowledge of steps that you should perform.

Q4. Candidate is able to operate the control switches while ensuring the correct procedures to be followed.

- A. Excellent
- B. Good

- C. Satisfactory
- D. Poor

Q5. Candidate is able to understand the display panel details and the different signal lamps used in the machine.

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

Q6. Candidate is able to fill the ring cops properly in the magazine and ensures the full cones are properly doffed in auto doffer.

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

Q7. Candidate ensures the proper working of winding unit, eye unit and splicing unit.

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

Q8. Candidate is able to fix new waxing rolls and ensures the proper settings of the wax index.

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor



**Passage:** You have been assigned a task to fill the ring cops and doff the cone package in an autoconer machine. Demonstrate the knowledge of steps that you should take in order to complete the task.

Q9. Candidate collects the correct cop trolley from the store and ensures the cop is properly placed in the magazine

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

Q10. Candidate is able to doff the cone package and ensures that the required length or weight of the yarn is wound on the cone package

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

Q11. Candidate restarts the winding machine after doffing by inserting the empty cone as per the colour codes

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

Q12. Candidate is able to release the cone holder and ensures the paper cone is in surface contact with the winding drum and proper traverse of yarn on winding drum

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

Q13. Candidate patrols around the machine and checks all the systems are running properly

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

**Passage:** You have been assigned a task for cleaning and maintenance of a cone winding machine. Demonstrate the knowledge of steps that you should perform in order to complete the task.

Q14. Candidate is able to clean the different machines in the autoconer at the scheduled interval and checks the cleaning on regular basis.

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

Q15. Candidate removes all the waste, unused material and empty cops by ensuring proper material handling techniques and using proper cleaning tools.

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

Q16. Candidate is able to ensure the proper functioning of the machine and is able to remove the worn out parts and replaces with new parts in the autoconer machine

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

Q17. Candidate is able to identify any abnormal functioning of winding drums, splicing unit, conveyor belt, EYC, OHTC etc. and reports to the superior.

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

Q18. Candidate supports the fitter and ensures safety while carrying out maintenance activities

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

Q19. Candidate is able to identify the defects in the cones produced and can rectify it.

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

Q20. Candidate is able to understand the functioning of signal lamps.

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

Q21. Candidate is able to report all the relevant information to the supervisor and the next shift operator before leaving

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

**Passage:** Demonstrate the knowledge of steps that you should perform in order to maintain the work area, tools and machines.

Q22. Candidate follows all the guidelines for keeping the workplace healthy and safe.

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

Q23. Candidate keeps the work area, tools and machine clean and maintained, and reports to the supervisor for any unsafe condition.

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

**Passage:** Role Play:

Assessor - New joiner - Autoconer Tenter

Candidate - Senior Autoconer Tenter

Create a scenario where the new joiner is asking about the work process, company policies and his role and the Senior Autoconer Tenter is replying to his answers.

Q24. Candidate answers all the questions related to company policies and work processes.

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

Q25. Candidate is able to communicate effectively.

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

**Passage:** Demonstrate the knowledge of steps that you should perform in order to maintain health, safety and security at the workplace.

Q26. Candidate complies with health, safety and security requirements at work and recognizes the potential hazards.

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

Q27. Candidate is able to plan the safety techniques and able to implement them.

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

**Passage:** Demonstrate the knowledge of steps required to comply with industrial and organizational requirements.

Q28. Candidate performs his duties and communicates with the team members effectively.

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

Q29. Candidate understands the organizational standards and implements them in his/her performance.

- A. Excellent
- B. Good
- C. Satisfactory
- D. Poor

**ANSWERS:**

<b>1</b>	C	<b>11</b>	C	<b>21</b>	C
<b>2</b>	A	<b>12</b>	A	<b>22</b>	B
<b>3</b>	C	<b>13</b>	C	<b>23</b>	C
<b>4</b>	A	<b>14</b>	D	<b>24</b>	B
<b>5</b>	D	<b>15</b>	C	<b>25</b>	A
<b>6</b>	D	<b>16</b>	D	<b>26</b>	A
<b>7</b>	A	<b>17</b>	A		
<b>8</b>	D	<b>18</b>	C		
<b>9</b>	D	<b>19</b>	D		
<b>10</b>	C	<b>20</b>	B		

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