



Assistant Operator - Printing and Packaging (Consumer & Industrial Products)(RSC/Q8101)V3 L-3



Job Role Name QP Code(Level)	Assistant Operator - Printing and Packaging (Consumer & Industrial Products)(RSC/Q8101)V3 L-3	Batch Name/Id	
Duration:		Max Marks:	170
Name of Candidate		Aadhar Number	
Candidate Fathers Name		Candidate Signature	
Assessor Signature		Trainer Signature	
TP Name		TC Name	
TP/TC Stamp with Signature		Date	

INSTRUCTIONS TO THE CANDIDATES

1. The Duration of Assessment (Theory, practical & Other documentation) must be 8 Hrs.
2. Write your name, Aadhar Number, father name, Signature clearly in the designated space.
3. The enclosed paper contains 2 sections Theory and Practical. Marks are mentioned against each question.
4. Use of Calculators/ Mobile Phone is not permitted during assessment.
5. Use only Black or Blue ball point pen. Don't do any rough work in paper.
6. Do not mark multiple answers for one question, in case of multiple marking, you will not be given any marks for that particular question.
7. The Passing percentage for each QP will be _____. To pass the qualification pack, every trainee should score a minimum of _____ individually in each NOS,

S.N o.	NOS Name	PC Details	Marks Allotted	Difficulty Level	Question	Choice 1	Choice 2	Choice 3	Choice 4	Correct Answer
1	RSC/N0310: Prepare for Printing and Packaging Operations	PC1. receive raw materials (films, foils, labels, cartons) as per job sheet	5	Easy	What primary document should an assistant operator consult to verify types and quantities when receiving raw films or foils?	The client's annual report	The production job sheet	The machine tool catalog	The safety drill handbook	Choice 2
2	RSC/N0310: Prepare for Printing and Packaging Operations	PC2. check physical condition of raw materials for defects or damage	5	Medium	Which physical defect in an incoming plastic film roll must be reported immediately before loading onto the machine?	Slight color variance on structural core cardboard	Deep surface wrinkles, punctures, or edge tears on the film	The brand logo printed on outer protective pallet wrap	The date stamp on the warehouse storage rack	Choice 2
3	RSC/N0310: Prepare for Printing and Packaging Operations	PC3. verify batch number, specifications, and supplier details	5	Medium	Why is it essential to verify the batch number and material specifications against the job sheet prior to production?	To ensure traceability and verify material compatibility with the job run	To determine the retail price of the end product packaging	To count the total number of shifts worked by operators	To adjust the emergency shutdown speeds of the line	Choice 1
4	RSC/N0310: Prepare for Printing and Packaging Operations	PC5. clean rollers, trays, and machine parts before loading materials	5	Medium	What is the primary risk of neglecting to clean rollers and ink trays before loading new packaging substrates?	The automated printing line will experience an electrical short circuit	Debris and dried residue will cause surface smudges and pattern defects	The overall weight of the raw plastic substrate roll will change	The machine's mechanical gears will spin in reverse direction	Choice 2
5	RSC/N0310: Prepare for Printing and Packaging Operations	PC6. prepare inks, coatings, and adhesives as per instructions	5	Hard	What action must be performed if the ink viscosity deviates from the standard instruction sheet during preparation?	Add extra pigment powder blindly without consulting anyone	Inform the operator and adjust carefully using recommended solvent ratios	Pour out the complete batch into a standard wastewater sink	Increase the automated heating speed of the drying chamber	Choice 2
6	RSC/N0310: Prepare for Printing and Packaging Operations	PC7. set up tools and consumables required for printing and packaging	5	Easy	Which tool setup is typically checked by the assistant operator during preparation for packaging assembly line tasks?	Checking cutting dies, blades, and packaging consumables availability	Calibrating internal electronic circuit control chips	Replacing the main drive motor gears of the automated line	Rewriting the system software operating system codes	Choice 1
7	RSC/N0310: Prepare for Printing and Packaging Operations	PC11. display material identification tags at workplace	5	Easy	What is the operational purpose of displaying material identification tags explicitly at the packaging workspace?	To make the factory walls look brightly colored	To prevent accidental mix-ups of different batches or types of substrates	To document the total electrical consumption of the conveyor system	To hide minor surface scratches present on machine guards	Choice 2
8	RSC/N0310: Prepare for Printing and Packaging Operations	PC12. segregate defective or rejected materials as per SOPs	5	Medium	How should raw materials with severe physical warp or dampness be handled upon identification?	Mixed directly into the premium high-grade production stream	Segregated, clearly tagged as rejected, and stored in designated zones per SOP	Left scattered on the main transit corridor paths of the department	Processed immediately at double the normal running speed	Choice 2
9	RSC/N8101: Assist in Operating Automated Printing Machines	PC1. load materials into automated printing machine under supervision	5	Easy	What is a critical precaution when loading a heavy plastic substrate roll onto a central unwinding shaft?	Ensure the roll is loaded completely off-center	Lock the roll securely using the proper chucks and verify alignment under supervision	Leave the core lock completely loose to permit free sliding	Spin the roll manually as fast as possible before turning on power	Choice 2
10	RSC/N8101: Assist in Operating Automated Printing Machines	PC2. align materials properly on feeder trays	5	Medium	What processing defect is directly caused by poor material alignment on automated input feeder trays?	Immediate burning of the drying chamber elements	Print registration shifting out of alignment and skewing patterns	A spontaneous increase in the chemical viscosity of the ink matrix	Complete failure of the primary floor safety alarms	Choice 2
11	RSC/N8101: Assist in Operating Automated Printing Machines	PC4. ensure ink trays and rollers are filled as per requirement	5	Easy	What field indicator warns the assistant operator that an automated ink fountain needs immediate replenishment?	The primary machine drive motor starts to vibrate audibly	The ink level drops below the minimum operational mark on the tray/gauge	The ambient room temperature inside the plant decreases rapidly	The plastic substrate changes its base width dimension automatically	Choice 2
12	RSC/N8101: Assist in Operating Automated Printing Machines	PC7. assist in reel changeover without machine stoppage	5	Hard	During high-speed continuous printing runs, what technique allows an assistant to support reel changeover safely?	Using automated flying splicers or executing fast manual splice steps under close guidance	Shutting down all factory power systems unexpectedly	Cutting the substrate web sharply using non-industrial loose scissors	Pouring pure solvent directly onto the active nip rollers	Choice 1
13	RSC/N8101: Assist in Operating Automated Printing Machines	PC9. observe print clarity, registration marks, and color consistency	5	Medium	What pattern feature is constantly monitored using a magnifying loupe or web camera to ensure precise color overlay overlap?	The manufacturer's barcoded serial plate on the framework	Cross-shaped registration marks or target lines printed on the margins	The overall thickness profile of the inner cardboard core tube	The operator's personal attendance log entry code	Choice 2
14	RSC/N8101: Assist in Operating Automated Printing Machines	PC10. identify smudges, ink bleeding, or misalignment	5	Medium	What root cause typically triggers 'ink bleeding' or smudging defects on high-speed plastic packaging films?	Improper drying temperature settings or incorrect ink viscosity levels	The machine frame being painted an unauthorized primary color	Operating the cooling fans at perfectly normal calibrated speeds	Using standard high-grade premium sieved raw materials	Choice 1
15	RSC/N8101: Assist in Operating Automated Printing Machines	PC16. check ink viscosity and report deviations	5	Hard	Which common manual tool is standardly utilized in the pressroom to quickly determine ink viscosity indices?	A standard micrometer screw gauge tool	A calibrated viscosity cup (e.g., Zahn or Ford cup) and a stopwatch	A high-voltage digital insulation multimeter instrument	A heavy mechanical torque wrench kit	Choice 2
16	RSC/N8101: Assist in Operating Automated Printing Machines	PC20. ensure safe shutdown of machine in emergencies	5	Easy	What immediate physical action should the assistant operator execute if a catastrophic web wrap or mechanical jam occurs?	Leave the floor to find a user manual book in the office	Depress the nearest highly visible red Emergency Stop (E-Stop) button instantly	Increase the speed control dial to force the material out through rollers	Pour water directly over the central electric motor assembly	Choice 2
17	RSC/N8102: Support in packaging processes	PC2. check packaging materials for damage before use	5	Easy	Which structural damage indicator on a carton batch requires immediate withholding from the packaging line?	Presence of standard batch identification print labels	Severe moisture crushing, deep creases, or split gluing seams	A perfectly smooth semi-gloss surface texture layer	The cardboard matching the specified dimensions perfectly	Choice 2
18	RSC/N8102: Support in packaging processes	PC4. load packaging materials into machine	5	Easy	What precaution is mandatory when loading flat pre-cut carton blanks into an automated box forming magazine?	Orienting the blanks in random upside-down variations	Ensuring identical orientation and proper alignment inside the feed guide rails	Tightly packing double the allowed amount into the throat	Spraying the blanks with oil before feeding them in	Choice 2
19	RSC/N8102: Support in packaging processes	PC5. assist in machine-based sealing, cutting, or wrapping	5	Medium	If an automated packaging line's heat sealer creates weak, open seals on plastic pouches, what should be checked?	The width of the barcode label sheet	The sealer's operating temperature, dwell time, and jaw pressure metrics	The color scheme of the external cardboard shipping boxes	The software code versions of the shipping office database	Choice 2
20	RSC/N8102: Support in packaging processes	PC6. stack packed goods as per batch size	5	Easy	Why must finished consumer products be stacked in exact quantities defined by the batch size specification?	To ensure inventory counting accuracy and standard secondary box packing efficiency	To make sure the items occupy maximum floor space in corridors	To alter the batch numbers of the products inside automatically	To force the shipping vehicle to arrive ahead of its schedule	Choice 1
21	RSC/N8102: Support in packaging processes	PC7. apply labels or barcodes under guidance	5	Medium	What problem occurs if barcode labels are applied with severe folds, air bubbles, or offset positioning onto finished goods?	The automated conveyor belt will immediately reverse directions	The barcode scanner will fail to read product data during inventory sorting	The overall weight of the package will dramatically double in size	The chemical formula of the packaged item will instantly change	Choice 2

S.N o.	NOS Name	PC Details	Marks Allotted	Difficulty Level	Question	Choice 1	Choice 2	Choice 3	Choice 4	Correct Answer
22	RSC/N8102: Support in packaging processes	PC8. segregate defective packs	5	Easy	What should be done with a product pouch discovered with an incomplete, leaky end-seal on the conveyor line?	Let it pass into final shipping boxes to save process time	Segregate it immediately into the marked rework/defective bin for checking	Hide it behind healthy cartons on the standard staging pallet	Wipe it off and drop it directly onto the open floor path	Choice 2
23	RSC/N8102: Support in packaging processes	PC10. clean sealing jaws, rollers, or conveyors	5	Medium	Why must sealing jaws be cleaned regularly to remove molten plastic build-up or adhesive scale?	To preserve clean heat transfer surfaces and avoid scorched, defective packaging seals	To increase electrical energy usage inside the heating rods	To enable the blades to become completely blunt and harmless	To change the physical barcode value of the incoming films	Choice 1
24	RSC/N8102: Support in packaging processes	PC11. carry out basic lubrication of packaging machine	5	Medium	What guideline governs basic lubrication tasks performed on conveyor chains or joints under supervision?	Apply unapproved automotive oil compounds generously over product contact lines	Utilize designated food-grade or industrial lubricants strictly at specified points	Drench all electrical sensors completely with high-viscosity greases	Lubricate moving high-speed chains only while the machine runs at max velocity	Choice 2
25	RSC/N5007: Follow health & safety protocol	PC2. work for which protective clothing or equipment is required is identified and the appropriate protective clothing	5	Easy	Which set of Personal Protective Equipment (PPE) is most appropriate when working around high-decibel machinery and chemical ink setups?	Safety shoes, earplugs, chemical-resistant gloves, and safety goggles	Loose canvas aprons, open sandals, and standard sunglasses	Synthetic wool scarves, rings, and thin paper hand wraps	No physical protective attire is legally mandated on production floors	Choice 1
26	RSC/N5007: Follow health & safety protocol	PC3. read and understand the hazards of use and contamination mentioned on the labels of chemicals, utilities	5	Medium	What reference system or sheet provides comprehensive data about hazardous chemical ingredients, first-aid, and storage?	The shift attendance registry book	The Safety Data Sheet (SDS) or material warning labels	The customer service product catalog	The warehouse machinery billing invoice folder	Choice 2
27	RSC/N5007: Follow health & safety protocol	PC4. prior to performing manual handling jobs, risk is assessed and work is carried out according to currently	5	Easy	What is a fundamental safe body-mechanics rule when manually lifting a heavy raw material box from the industrial floor?	Keep knees completely locked straight and bend deeply from the lower back	Bend at the knees and lift smoothly using the strong leg muscles while keeping the back straight	Twist the upper torso sharply while executing the maximum weight lift	Yank the object upward using sudden, rapid jerking arm motions	Choice 2
28	RSC/N5007: Follow health & safety protocol	PC6. dispose off waste safely and correctly in a designated area	5	Easy	Where should oily, solvent-soaked cleaning rags used in maintenance cleaning cycles be standardly disposed of?	Thrown into regular open paper waste bins on the floor	Deposited inside designated, closed fire-safe metal containers for hazardous waste	Dumped outside the factory perimeter fence near green landscaping zones	Left permanently resting on top of active electrical panel enclosures	Choice 2
29	RSC/N5007: Follow health & safety protocol	PC11. follow procedures for dealing with accidents, fires and emergencies, including communicating location and	5	Medium	What type of fire extinguisher is recommended for combatting a small fire originating inside a printing machine's main electrical control panel?	A direct high-volume pressurized water extinguisher stream	A Carbon Dioxide (CO2) or dry chemical powder extinguisher type	Covering the panel with wet organic cotton towels from the breakroom	Throwing loose wood chips and cardboard fragments over the sparks	Choice 2
30	RSC/N5007: Follow health & safety protocol	PC22. keep the workplace organized, swept, clean and hazard free	5	Easy	How does executing systematic daily floor sweeping and cleaning support active operations inside a packaging plant?	It causes the machinery parts to wear down twice as fast	It eliminates slips, trips, falls, and helps maintain a contamination-free production zone	It increases the time required to complete product reel changeovers	It forces the supervisor to increase product defect rate records	Choice 2
31	DGT/VSQ/N0101: Employability Skills (30 Hours)	PC1. understand the significance of employability skills in meeting the job requirements	4	Easy	Why are continuous employability skills like active listening, professional ethics, and updates important?	They are only needed to acquire an initial interview call pass	They ensure long-term job adaptability, performance quality, and growth potential	They allow workers to ignore machine safety procedures safely	They guarantee automatic daily increments in payment status scales	Choice 2
32	DGT/VSQ/N0101: Employability Skills (30 Hours)	PC5. follow good manners while communicating with others	4	Easy	Which action represents excellent communication etiquette when working as a member of a fast production crew?	Shouting conflicting details and ignoring other coworkers' updates	Listening actively without interruption, confirming details clearly, and responding politely	Leaving the department without notifying colleagues during a machine jam	Concealing machine breakdown details from the shift lead operator	Choice 2
33	DGT/VSQ/N0101: Employability Skills (30 Hours)	PC6. work with others in a team	4	Easy	How does active cross-team cooperation benefit a manufacturing unit attempting to achieve a high quality production target?	It increases internal conflicts and delay rates considerably	It maximizes efficiency, balances workload stress, and minimizes processing errors	It encourages individuals to work in completely isolated silos	It allows most team members to sleep during active shifts	Choice 2
34	DGT/VSQ/N0101: Employability Skills (30 Hours)	PC10. calculate income, expenses, savings etc.	4	Medium	If an assistant operator receives a monthly salary check of 16,000 INR and allocates exactly 11,500 INR to household expenses, what is their remaining savings balance?	3,500 INR	4,500 INR	5,500 INR	16,000 INR	Choice 2
35	DGT/VSQ/N0101: Employability Skills (30 Hours)	PC12. operate digital devices and use its features and applications securely and safely	4	Easy	Which method represents a highly secure login habit when interacting with computerized material inventory tracking screens?	Writing your secret passcode onto adhesive paper stuck to the computer border	Using unique alphanumeric passwords and logging out fully when leaving the desk	Sharing active system master credentials with outside temporary visitors	Deactivating all network firewall security shields to save processing load	Choice 2

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Duration:			Max Marks:		280	
Name of Candidate			Aadhar Number			
Candidate Fathers Name			Candidate Signature			
Assessor Signature			Trainer Signature			
TP Name			TC Name			
TP/TC Stamp with Signature			Date			
INSTRUCTIONS TO THE CANDIDATES 1. The Duration of Assessment (Theory, practical & Other documentation) must be 8 Hrs. 2. Write your name, Aadhar Number, father name, Signature clearly in the designated space. 3. The enclosed paper contains 2 sections Theory and Practical. Marks are mentioned against each question. 4. Use of Calculators/ Mobile Phone is not permitted during assessment. 5. Use only Black or Blue ball point pen. Don't do any rough work in paper. 6. Do not mark multiple answers for one question, in case of multiple marking, you will not be given any marks for that particular question. 7. The Passing percentage for each QP will be _____. To pass the qualification pack, every trainee should score a minimum of _____ individually in each NOS.						
S.No.	NOS Details	PC Details	Marks Allotted	Difficulty Level	Question	Steps
1	RSC/N0310: Prepare for Printing and Packaging Operations	PC5. clean rollers, trays, and machine parts before loading materials PC6. prepare inks, coatings, and adhesives as per instructions	30	Medium	Demonstrate the pressroom preparation routine by cleaning automated rollers and conducting manual ink mixing to match viscosity parameters.	1. Put on baseline chemical aprons and splash goggles. 2. Apply approved press wash solvent onto lint-free wipes and scrub dried ink buildup off machine ink rollers/trays. 3. Measure and mix standard ink pigments with recommended formulation solvents as guided. 4. Perform a Zahn cup viscosity check and note timing measurements against job card specifications. 5. Fill ink fountains uniformly up to the operational baseline mark.
2	RSC/N0310: Prepare for Printing and Packaging Operations	PC1. receive raw materials (films, foils, labels, cartons) as per job sheet PC12. segregate defective or rejected materials as per SOPs	30	Easy	Conduct raw material acceptance screening and handle defective roll segregation across an incoming batch of flexible plastic substrates.	1. Verify the material roll specifications, batch stamps, and label identification against active job sheet documents. 2. Perform cross-surface inspections to identify telescoping rolls, wrinkles, or core crushing damage. 3. Identify and tag a defective material roll using standard red rejection markers. 4. Complete the internal material issue and defect logs accurately. 5. Transfer cleared raw stock safely onto staging line pallets using mechanical jacks.
3	RSC/N8101: Assist in Operating Automated Printing Machines	PC1. load materials into automated printing machine under supervision PC2. align materials properly on feeder trays	30	Medium	Demonstrate loading and precise tracking alignment alignment of a wide plastic substrate web onto an active machine unwind station.	1. Move the wide film roll into alignment with the central unwind spindle shaft assembly safely. 2. Insert and lock the roll using correct structural pneumatic shaft chuck configurations under supervisor observation. 3. Thread the plastic film web meticulously through active guide nips and initial tension tracks. 4. Adjust mechanical guide clamps to align the side margins precisely with machine centerlines.
4	RSC/N8101: Assist in Operating Automated Printing Machines	PC9. observe print clarity, registration marks, and color consistency PC12. segregate defective prints for reprocessing	30	Hard	Perform real-time sample quality checks on continuous high-speed printed substrate rolls exiting the drying chamber line.	1. Extract or visually evaluate sample print iterations using a pressroom magnifying loupe tool. 2. Check overlay registration mark overlay crosshairs to detect pattern shifting trends. 3. Identify common defects including ink bleeding, smudges, or color fading against the master color sample. 4. Inform the line operator instantly if print tracking drifting occurs outside threshold boundaries. 5. Flag out-of-spec zones using sticky tabs and record counts within the print logbook.
5	RSC/N8102: Support in packaging processes	PC4. load packaging materials into machine PC5. assist in machine-based sealing, cutting, or wrapping	30	Medium	Execute automated horizontal pouch sealing tool adjustments and material loading configurations inside the primary packing deck.	1. Load flat pre-cut carton stacks or wrapping film material rolls into automated feed bays accurately. 2. Verify proper path routing across heated sealing bars and structural cutting knives. 3. Monitor sealing jaw operating temperatures to ensure optimal values remain steady under load. 4. Execute continuous trial run evaluations to check automated heat-seal strength boundaries. 5. Adjust feed tracking guides to ensure zero structural tearing or folding defects occur
6	RSC/N8102: Support in packaging processes	PC6. stack packed goods as per batch size PC7. apply labels or barcodes under guidance	30	Easy	Demonstrate barcode identification application, physical verification scanning, and structural interlocking pallet stacking routines.	1. Feed finished product boxes through automated tracking lines sequentially. 2. Apply barcode or tracking labels smoothly onto designated positions without air entrapment or folds. 3. Run manual scanner guns over applied barcodes to ensure immediate system reading registration. 4. Sort boxes into specific batch count quantities matching active log parameters. 5. Stack boxes cleanly onto transport pallets using stable, interlocking matrix orientations.
7	RSC/N5007: Follow health & safety protocol	PC1. undertake basic safety checks before operation PC27. use safety materials such as protective gear	35	Easy	Execute complete pre-shift line safety evaluations and personal protective device safety fitment audits.	1. Correctly fit ear plugs, steel-toed boots, protective eye gear, and high-traction safety gloves. 2. Inspect machine physical structural guard panels to guarantee all proximity safety interlocks are shut. 3. Confirm all yellow safety demarcations and red emergency stop loops are free from floor obstructions. 4. Test functionality of line caution alarms and overhead warning strobe lights. 5. Record findings on the shift pre-operation checklist template document before turning
8	RSC/N5007: Follow health & safety protocol	PC6. dispose off waste safely and correctly PC22. keep the workplace organized, swept, clean and hazard free	35	Medium	Conduct hazardous chemical cleanups and segregation protocols following an accidental press solvent spill on line pathways.	1. Immediately place highly visible yellow caution warning cones around the wet pathway perimeter. 2. Don chemical-resistant heavy apron assemblies and thick rubber gloves. 3. Deploy oil-absorbent pads or synthetic granular compounds to completely soak up the leaked solvent matrix. 4. Shovel saturated compounds into marked hazardous waste disposal metal drums with secure lids. 5. Sweep the transit path clean, ensuring all floors are dry and free from slippage hazards
9	DGT/VSQ/N0101: Employability Skills (30 Hours)	PC12. operate digital devices and use its features securely PC13. use internet and social media platforms securely	30	Medium	Demonstrate the ability to log in securely, navigate a factory digital stock system, and create production report entries.	1. Power up the industrial tracking terminal device using proper multi-factor security credentials. 2. Access the internal inventory tracking portal safely without disclosing passcodes to bystanders. 3. Input batch output parameters, waste numbers, and operational running hours into matching text boxes. 4. Generate a clean digital PDF copy of the completed production shift summary report. 5. Log out cleanly from the computer terminal, ensuring no credentials remain cached on