






NOS	PC	Difficulty level	Question text	Answer choice 1	Answer choice 2	Answer choice 3	Answer choice 4
RSC/ N0701	PC1. PC2. PC3.	Easy	Before feeding of rubber into the machine, the compound should be approved by _____ ?	R&D	Quality Control	Quality Assurance	Mixing Mill Head
RSC/ N0702	PC1 PC2	Easy	What is the curing time given for a low weight rubber compound?	2-4 Minutes	4-6 Minutes	6-8 Minutes	8-10 Minutes
RSC/ N0703	PC1. PC2.	Easy	What should you use to clean the Silicone mould?	Alcohol	Water	Oil	Gel
RSC/ N5001	PC1 PC2 PC3	Easy	Name the Instrument which is not used for inspection of moulded products.	Durometer	Vernier Calliper	Gauges	Scissors
RSC/ N5002	PC1 PC2 PC3	Easy	Daily Production Record is to be filled by ----- as laid down by the company?	Supervisor	Managers	Sr Managers	Helpers
RSC/ N5003	PC1 PC2	Easy	Identify the instrument shown in the picture below. 	HexaMachine	Cutting Knife	Hardness Tester	Vernier Calliper
RSC/ N5004	PC1. PC2. PC3. PC4. PC5	Medium	How do you identify non-conformance in a product?	By Online Products	By Customers	By Quality Inspectors	By Mail
RSC/ N5004	PC6. PC7. PC8. PC9.	Easy	Which of the following should be added to a natural rubber if it lacks durability?	Iron	Sulphur	Calcium	Bromine
RSC/N5007	PC1	Medium	What should you do as a precautionary measure in order to lessen the risk of the carcinogenic mineral oils in oil-extended rubber to come in contact with you.	Hydro-treatment	Solvent extraction	Both of the given options	None of the given options
RSC/N5007	PC18	Easy	Which signage should be used to warn a person of an inflammable object?				

Practical cum Viva				
NOS	PC	Passages	Rubrics	Material required
RSC/ N0701	PC1 PC2 PC3 PC4. PC5 PC6. PC7 PC8 PC9 PC10. PC11 PC12 PC13 PC14 PC15 PC16 PC17 PC18 PC19. PC20 PC21 PC22	Clean the screw and barrel of Injection moulding machine by mechanical purging process.	The candidate: 1. Completely purged out the existing material from the barrel 2. Set the temperature 10-15 degree below normal operating temperature 3. Prepared the purging mixture 4. Collected the material in the bag 5. Checked the temperature. 6. Set high back pressure 7. Set low 20% of maximum speed available. 8. Ran the purging mixture. 9. Started charging till the mixture came out of nozzle 10. Stopped charging and left the mixture to stay in the barrel for approx. 20-30 min or until a soft deep frying sound from the nozzle was heard 11. Completely purged out the purging mixture in low speed 12. At the end checked the purging result	Injection moulding machine Purging mixture Bag PPE
2. RSC/ N0702	PC1 PC2 PC3 PC4 PC5 PC6 PC7 PC8 PC9 PC10 PC11 PC12	Feed the material into the machine and set the parameters into the machine during the process	The candidate: 1. Collected the rubber granules in container 2. Fed the granules into the hopper 3. Set the temperature of the heating elements in the machine 4. Set the speed for the screw rotation 5. Monitored feeding in to the mould so that the material did not overflow 6. Set the time of curing of material 7. Set the coolant temperature of bores	Rubber granules Injection moulding machine PPE

RSC/ N0703

PC1	Perform post moulding activity on rubber tyre such as trimming and batch marking	The candidate:	PPE Loop knife Cured Tyre
PC2			
PC3		1. Picked the tyres	
PC4		2. Wore Safety gear	
PC5		3. Picked the loop knife in one of his hand	
PC6		4. Selected the unwanted material to trim from tyre	
PC7		5. Started removing flash from the tyres one by one	
PC8		6. Ensured safety at the time of using knife	
PC9		7. Trimmed safely ensuring no harm to the product	
PC10		8. Inspected the tyre visually at the end for ensuring quality	
PC11			