

General Worker Rubber Plantation- Theory Paper

NOS	PC	Difficulty Level	Question Text	Answer Choice 1	Answer Choice 2	Answer Choice 3	Answer Choice 4
RSC / N 6108	PC1	Easy	Why is there a need to clean the undergrowth or vegetable growth termed as "weed" which surrounds the young rubber trees?	Weeding the area is actually not required as no harm is done to rubber plant by these undergrowth's	Because weeds soak in all the water which is required to be used by rubber trees and hence they should be removed	Because if you allow the area to become weedy it may soon demand greater expenditure to bring it back to normal conditions (had the area been weeded regularly)	Weeding actually helps maintain top soil and should be grown in patterns to help rubber tree growth
RSC / N 6108	PC3	Easy	What is the standard pit size dug before planting off the rubber tree?	100 cubic cm	75 square cm	125 cubic cm	75 cubic cm
RSC / N 6108	PC4	Easy	After a pit has been dug out, what should be the next step before rubber trees are planted?	The seedling should be planted in the pit and filled with top soil	The pit should be filled in with top soil having organic matter and rock phosphate	The pits are further dug after few days till the water table is discovered	The pits should be filled with water completely till the brim with the seedling inserted
RSC / N 6108	PC2 PC5	Medium	Why should terraces be cut along the contour while preparing land for rubber plantation? A) To conserve moisture B) To prevent soil erosion	Only A	Only B	Both A and B	None of the given options
RSC/ N 5006	PC26	Medium	Which type of soil require drainage facilities in order to able to use appropriately for rubber plantation?	Coastal soils	High nutrients soils	All types of soils requires drainage facilities	Soils that receive heavy rains
RSC/ N 5006	PC27	Easy	How are young rubber plants mulched?	By removing any dry leaves or grass around the plant	By spreading dry leaves, grass cuttings and cover crops around the plants	By placing straws in and around the plants	By fencing the trees individually
RSC/ N 5006	PC32	Easy	In case the soil is rich of potassium or deficient, quantity of fertilizers should be same or different. And why?	Same. Fertilizers are applied to enhance the crop growth	Different. So as to minimize the cost of fertilizers requirement	Different. Excess quantity might damage the rubber plantation	There is no fixed quantity of fertilizers applied to the crop
RSC/ N 5006	PC32	Easy	What is the recommended quantity of mixture of rock phosphate and muriate of potash for manuring cover crops per hectare of land?	150 gm of rock phosphate 150 kg of muriate of potash	250 kg of rock phosphate 50 gm of muriate of potash	150 gm of rock phosphate 50 gm of muriate of potash	150 kg of rock phosphate 50 kg of muriate of potash
RSC/ N 5006	PC34 PC35	Medium	Which of the following is/are desirable traits of the working premises?	1	1 & 3	3	3 & 4
RSC / N 5007	PC59 PC60	Easy	You notice that the young plants have developed some disease because your co-worker forgot to spray Bordeaux mixture on few plants as he ran out of supply, what should you do?	Do not do anything and let your co-worker handle it on his own	Complaint about your co-worker and get him fired	Do not report the matter as it happens all the time	Report the matter to higher authorities and ask for more supply of the spray

RSC / N 5007	PC45 PC47	Easy	You note that there is a new and effective way of digging pits, which would save time. What should you do in such case?	Sell your idea to some other plantations	Layout as a new idea to higher authorities to implement the innovation	Implement it without informing anyone	Let the old process continue as the new idea might not change much time
RSC / N 5007	PC45 PC47	Medium	What is most effective biological treatment for effluents of block rubber factory?	Facultative pond	Tank processing	Deep pit (anaerobic process) and Facultative pond (Aerobic process)	Collecting it in a deep pit and burning it
RSC / N 5007	PC53	Easy	The weeds removed were thrown out of the plantation area, without even thinking about it. What could have been done instead?	The weeds could be dried and later used for mulching	They could be dried and further used for selling in the market	They are useless and should be thrown away	They can be used in winters to provide warmth to plantation workers

General Worker Rubber Plantation-Practical cum Viva				
S.no	NOS	Question	Rubrics	Equipment
1	RSC/N6108	You are given a task of pruning the lower branches and white washing the brown portion.	<p>Step 1: The candidate examined the lower branches of the tree</p> <p>Step 2: The candidate used his pruning tools and carefully pruned the tree</p> <p>Step 3: The candidate made sure not to cut or prune the upper portion of the tree</p> <p>Step 4: The candidate then mixed clay with water in appropriate proportion to get a mixture ready for white washing</p> <p>Step 5: The candidate then using a brush painted the brown part of the tree meticulously making sure not to paint the leaves</p> <p>Step 6: The candidate then cleaned the area and kept the remaining mixture in place</p>	<p>Pruning tool</p> <p>Clay for white wash</p> <p>Brush</p> <p>Sufficient water</p> <p>Area to work on the pruning and white washing of tree</p>
2	RSC/N5006	What do you know about soil microflora? Elaborate What happens when excess fertilizers are added to the soil?	<p>4 The candidate mentioned that there are three main forms of microflora in soils - Bacteria, fungi & viruses</p> <p>4 The candidate mentioned bacteria helps in weathering of rocks and mineral, breakdown of organic matter. Fungi also helps in decomposition of organic matter and stabilizing soil aggregates. Viruses importance is yet to be discovered</p> <p>4 The candidate noted that excess fertilizers eat into the microflora present in the soil and damage their good properties</p> <p>4 The candidate also mentioned that the compost should be measured and added to the soil</p>	

3	RSC/N5006	<p>Is the requirement of fertilizers same for immature and mature rubber trees? If not, which chemical fertilizer's and in quantity is required for both respectively?</p>	<p>4 The candidate mentioned that different chemical fertilizers are required at different times for immature and mature rubber trees. 4 The candidate mentioned that 10-12 kg of compost and 120-150gm of rock phosphate is required in each pit before planting - for immature trees 4 The candidate also mentioned that after regular intervals till the 5th year before the tree is ready for tapping fertilizer's are required (details may or may not be provided) 4 The candidate mentioned that at mature stage NPK mixture at 12:6:6 ratio is applied and 10kg of magnesium sulphate if there is a magnesium deficiency</p>	
4	RSC/N5007	<p>What is a more suitable temperature for the purification process? What type of effluents are expected to generate in a rubber factory? Which weather is suitable for such type of effluents?</p>	<p>4 The candidate mentioned that a warmer climate helps speed up the purification process (tropical area is more suitable) 4 The candidate mentioned that types of effluents can range from process water, uncoagulated latex, proteins,, sugar, lipids, inorganic and organic salts to name a few 4 Treatment of these effluents becomes more efficient in tropical climate, the candidate stated 4 The candidate additionally stated that a presence of nearby pond is also favoured.</p>	