pirections: Mark ( ) against the correct answer:	
1. In what ratio must a grocer mix two varieties of pulses costing respectively so as to get a mixture worth Rs. 16.50 per k	(g / (n.n.d. 2000)
2. Find the ratio in which rice at Rs. 7.20 a kg be mixed with a produce a mixture worth Rs. 6.30 a kg.	rice at Rs. 5.70 a kg to (IGNOU, 2008)
(a) $1:3$ (b) $2:3$ (c) $3:4$	
3. In what ratio must tea at Rs. 62 per kg be mixed with tea at the mixture must be worth Rs. 64.50 per kg?	t Rs. 72 per kg so that
(a) 3:1 (b) 3:2 (c) 4:3	$(d) \ 5 : 3$
4. In what ratio must water be mixed with milk costing Rs. 12 mixture worth of Rs. 8 per litre?	2 per litre to obtain a
(a) $1:2$ (b) $2:1$ (c) $2:3$	$(d) \ 3 : 2$
5. The cost of Type 1 rice is Rs. 15 per kg and Type 2 rice is Rs. 20 and Type 2 are mixed in the ratio of 2:3, then the price per kg of rice is:	per kg. If both Type 1
(a) Rs. 18 (b) Rs. 18.50 (c) Rs. 19	(d) Rs. 19.50

6.	In what ratio must a a kg so that by sellin	grocer mix two variet g the mixture at Rs. 6		60 a kg and R <sub>s. 65</sub> gain 10%?	
	(a) 3:2	(b) 3:4	(c) 3 : 5	(d) 4 : 5	
7.	costing Rs. 7 per kg	of sugar costing Rs. 9 p so that there may be	oer kg must be mixed a gain of 10% by se	(S.S.C. 2004) I with 27 kg of sugar Iling the mixture at	
	Rs. 9.24 per kg?	413 40 1	(a) E4 loss	( A) 00 ·	
	(a) 36 kg	(b) 42 kg	(c) 54 kg	(d) 63 kg	
8.	In what ratio must w	ater be mixed with mi	lk to gain $16\frac{2}{3}\%$ or	selling the mixture	
	at cost price ?			(L.I.C.A.A.O. 2003)	
	(a) 1:6	(b) 6 : 1	(c) 2 : 3	$(d) \ 4 : 3$	
9.	A dishonest milkman professes to sell his milk at cost price but he mixes it with wat and thereby gains 25%. The percentage of water in the mixture is :				
	(a) 4%	4	(c) 20%	(d) 25%	
10.	Pwo vessels A and B contain spirit and water mixed in the ratio 5: 2 and 7: 6 respectively. Find the ratio in which these mixture be mixed to obtain a new mixture in vessel C containing spirit and water in the ratio 8: 5?				
	(a) 4:3	(b) 3:4	(c) 5 : 6	(d) 7:9	
11.	The seconds A and	B contain milk and wa	ater mixed in the ra	atio 8:5 and 5:2 get a new mixture	
	containing $69\frac{3}{13}\%$ r	nilk, is :		( ) 5 . 5	
	$(a) \ 2 \cdot 7$	$(b) \ 3 : 5$	(c) 5 : 2	(d) 5:7	
12.	the first contains 25% water and the rest milk. The				
	second contains 50% water. How much milk should he mix from each of the containers so as to get 12 litres of milk such that the ratio of water to milk is 3:5?				
		,	(b) 6 litres, 6 litre	S	
	(a) 4 litres, 8 litres		(d) 7 litres, 5 litre	S	
	(c) 5 litres, 7 litres	t at Rs. 9.30 per kg is	mived with another	quality at a certain	
13.		7. If the mixture so for	mod bo	per kg, what is the	
		econd quality of wheat (b) Rs. 10.60		(d) Rs. 11	
	(a) Rs. 10.30		er are mixed with a	third variety in the	
14.	ratio 1:1:2. If the	er kg and Rs. 135 per i mixture is worth Rs. 1	153 per kg, the price	of the third variety (S.S.C. 1999)	
	per kg will be:	(b) Rs. 170	(c) Rs. 175.50	(d) Rs. 180	
	(a) Rs. 169.50	, C	Lich he colle at 8% D	rofit and the rest at	
15.	A merchant has 100	0 kg of sugar, part of w. 3 14% on the whole. Th	ne quantity sold at 1	8% profit is:	
1	18% profit. He gams	14/0 011	(a) COO lag	(d) 640 kg	
	(a) 400 kg		. Call biologic	replaced by another	
(16	(a) 400 kg  (b) 560 kg  (c) 600 kg  (d) 400 kg  (e) 600 kg  (e) 600 kg  (f) 600 kg  (g) 60				
	containing 19% alcor	101 and non-			
	quantity of whisky r	2	(c) $\frac{2}{5}$	(d) $\frac{3}{5}$	
	$(a) \frac{1}{a}$	(b) $\frac{2}{3}$	( <i>c</i> ) 5		
	(a) 3		this container 4 litre	times. How much	
17	(a) $\frac{1}{3}$ (b) $\frac{1}{3}$ (c) $\frac{1}{3}$ (d) 29.16 litres of milk was taken and replaced by water. This process was repeated further two times. How much out and replaced by the container?				
	milk is now containe	ca by the	(c) 28 litres	(d) 29.16 litres	
		(1) of 26 litres	(0) 20		

(c) 28 litres

(b) 27.36 litres

(a) 26.34 litres

- 18. 8 litres are drawn from a cask full of wine and is then filled with water. This operation is performed three more times. The ratio of the quantity of wine now left in cask to that of the water is 16:65. How much wine did the cask hold originally? (N.I.F.T. 2003) (d) 42 litres (a) 18 litres (b) 24 litres (c) 32 litres 19. A can contains a mixture of two liquids A and B in the ratio 7:5. When 9 litres of mixture are drawn off and the can is filled with B, the ratio of A and B becomes 7:9. How many litres of liquid A was contained by the can initially?
- (a) 10 (b) 20 (c) 21 (d) 25

  A vessel is filled with liquid, 3 parts of which are water and 5 parts syrup. How much of the mixture must be drawn off and replaced with water so that the mixture may be half water and half syrup?