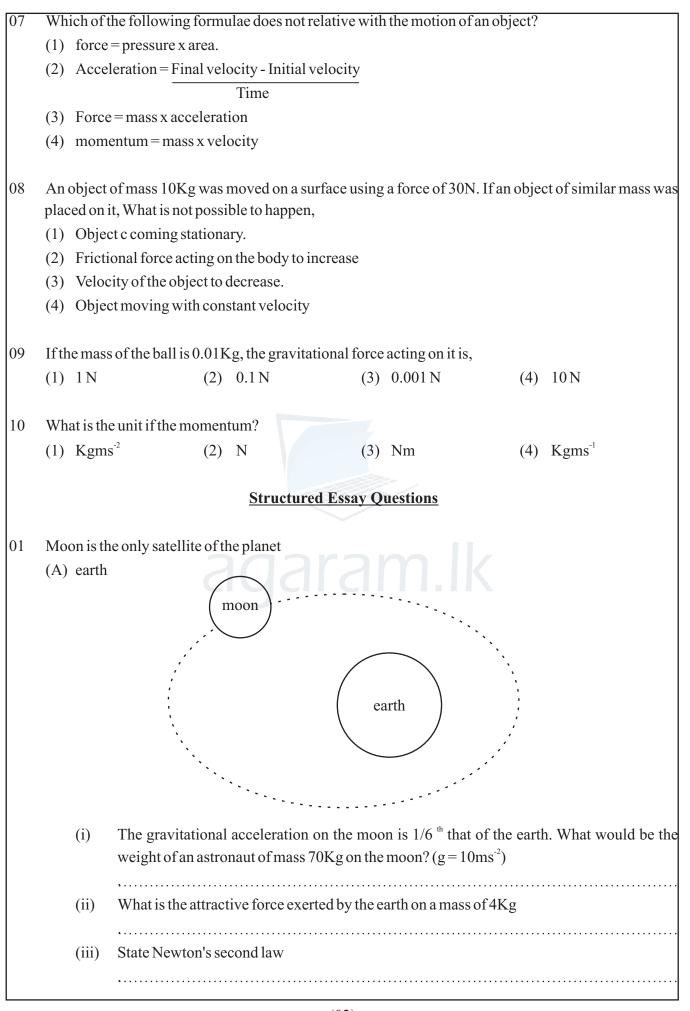
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NALAN		Grade 10	MBO 10 NALANDA COL MBO 10 NALANDA COL MB MB SCIU				Laws of	Motion(Physics)
01 Farce applied on a 10Kg object to reach $4ms^{-2}$ of acceleration.								
	(1) 20 N		(2) 40 N		(3)	10 N	(4)	80 N
02	Masses and magnitudes of external forces acting on three objects x, y and z moving in a straight line are given in a table. The object with equal acceleration are,							
		Г		Mass	E	xternal force	7	
		ŀ	Х	4	+	28	-	
			У	9		63		
			Z	6		12		
	(1) x and y		(2) y and z		(3)	x and z	(4)	All x, y and z
03	 Whish is not explained with Newton's third low? (1) falling a stone from a mountain. (2) Swimming (3) rowing a steam boat (4) motion of roclet Unbalanced force of 100N is applied to a motor car with a mass of 25Kg. When it is moving, w 							it is moving, what is
	the acceleration $(1) 0.25 \text{ ms}^{-2}$		(2) $4ms^{-2}$		(3)	2500ms ⁻²	(4)	400ms ⁻²
• Questions from 5 - 7 are based on the following velocity - time graph. $10 \frac{V(ms^{-1})}{10} \frac{V(ms^{-1})}{5} t(s)$								
		5						
05	Acceleration	during first				-		
	(1) 2.5ms^{-2}		(2) $5ms^{-2}$		(3)	10ms ⁻²	(4)	2ms^{-2}
06	If the mass of	f this moving	g object is 20	Kg. What is	s the u	nbalanced forc	e acting on	it during first 5S?
	(1) 40N		(2) 400N		(3)	100N	(4)	10N
(01)								

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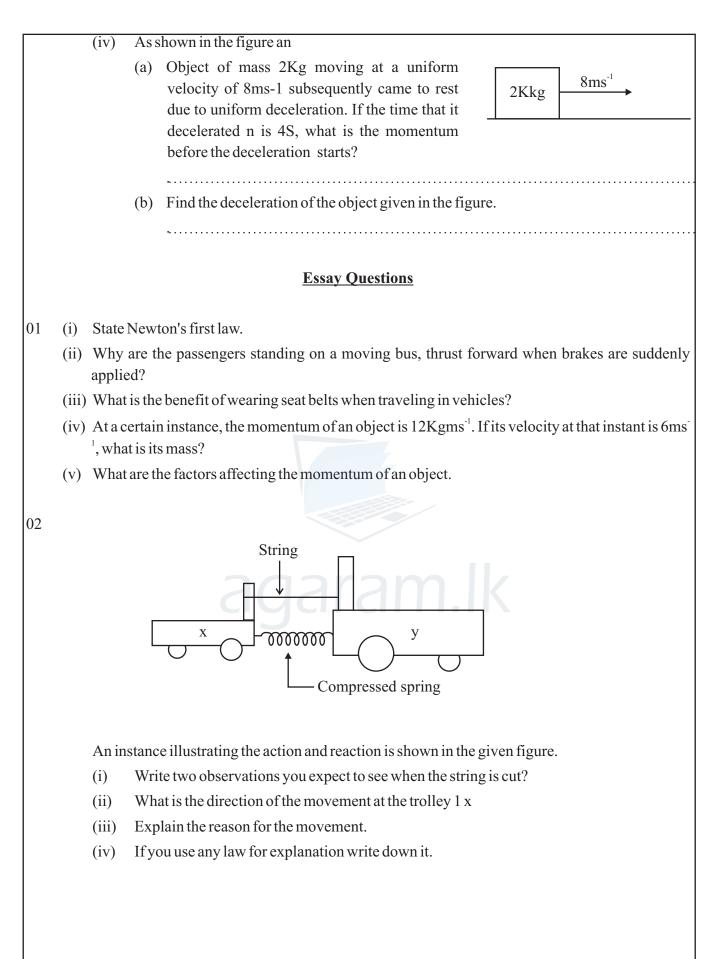
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