Dr.K.K.R GOWTHAM EDUCATIONAL INSTITUTIONS :: A.P & T.S

Marks: 100

Class: 6- CO*, CO

	Maths, Physics		Time: 2 ½ Hrs			
≈≈≈≈ I.	≈≈≈≈≈≈≈≈≈≈≈ Objective type	222222222222222222222222222222222222				
1.	in the ratio 5:2					rs their ages will be
2	a. 5 yr	b. 10 yr		15 yr	d. 12 yr	C*
2.		age was five times				
	a. 14	on. After 6 years s b. 20	_	26	d. 46	L J
3						is 1/7 of the whole
3.	number. Find th	e digits and numl	oer			
4	a. 24	b. 64		42	d. 86	C1 11: 774 C 1:4
4.	The length of the length and bread	hall is 74m, find its []				
	a. 11, 6	b. 26, 21		16, 11	d. 21, 16	
5.						he capacity of tank is
	a. 35	b. 42			. 14	[]
6.	flower, one bee	will be left. If tw	-		•	ne bee lands on each left. Find the number
	of bees and flow					[]
_	a. 4, 3		7, 6	c. 2,1	d. 11	•
7.				_	enı's age would tot	al 10 and Bani's age
	_	ılf of Beni's age t		_		[]
0	a. 6, 8	b. 3,7	c. 6,4	d. 2, 8		
8.	can be buy?				now many oranges	more than monan,
0	a. 5	b. 7	c. 4	d. 15	7.1 1 TC.	1 1 1 6 11
9.	_				=	the total value of all
					coins are	[]
16	a. 17,51 au		17,51 and 85	c. 17, 15		, 17 and 85
10	stick 1m long is	-	ts a snauow 20	Jili lolig at a ti	me and place, whe	
	_			6		L J
	a. $26\frac{2}{11}$	b. $36\frac{4}{11}$	c.	$46\frac{0}{11}$	d. 20	
11	11	11		11	ite diameter A pull	ey with a diameter of
11		-	• •	-	-	lying at a rate of 96
		ns per minute) he				
		b. 64		d. 48	ovorving.	L J
12	2. $4\frac{1}{2}$ % of Rs. 18			u. 10		[]
	_			1.01		
1.0	a. 51	b. 61	c. /1	d. 81		r 1
13	3. If 4.6% of x is 2			d. 500		[]
14	a. 400 4. If the numerator	b. 500 of a fraction be i			ominator be dimini	shed by 8%, The
	value of fraction	n is $\frac{15}{16}$. Find the	original fractio	on		[]
	1					
	a. $\frac{1}{4}$	b. $\frac{3}{4}$	c. $\frac{1}{8}$	d. $\frac{3}{15}$		

15. After incurring a loss of 33 $\frac{1}{3}$ % a man has Rs. 18600 left with him. What was the	e amount of mo	oney									
he originally had?	[1									
a. 30,000 b. 6200 c. 27900 d. 12400		-									
16. Ram's income is 25% more than the income of his wife. By how much percent is his wife's inc											
less that his income a. 10% b. 20% c. 30% d. 80%	L	j									
17. If the cost price of 18 oranges is same as the selling price of 16 oranges then gain a. 10% b. 12 ½% c. 15% d. 17 1/2%	percent is[]									
18. The ratio of cost price and selling price is 4 : 5 The profit percent is	[]									
a. 25% b. 35% c. 50% d. 80%											
19. A man bought apples at the rate of 8 for Rs. 34 and sold them at the rate of 12 for apples should be sold to earn a net profit of Rs. 45?	: Rs. 57. How r	nany 1									
a. 70 b. 90 c. 60 d. 45	L	J									
20. A cycle is sold for Rs. 880 at a loss of 20%, for how much should it be sold to ga	in 10% []									
a. 1010 Rs b. 1410 Rs c. 1210 Rs d. 990 Rs.	_	-									
21. If SP of an article is $\frac{4}{3}$ of its cp then profit percent is	[]									
a. 25 b. 75 c. $66 \frac{2}{3}$ d. $33 \frac{1}{3}$											
22. A man buys eggs at 2 for 1 Rs. And an equal number at 3 for Rs. 2 and sells the v	whole at 5 for R	Rs. 3									
His gain or loss percent is	Γ]									
a. Gain $2\frac{6}{7}$ b. loss $3\frac{6}{7}$ c. gain 35 d. loss	35										
23. A trader marks his goods 30% above the cost price but makes a reduction of $6\frac{1}{4}$	% on the mark	ed									
price. His gain percent	[]									
a. 10% b. 11.875 c. 21.875 d. 12	1 1 1.	ъ									
24. A man look a loan from a bank at the rate of 12% p.a. simple interest. After 3 yea 5400 interest only for the period. The principal borrowed by him	ers he had to pa [y Rs]									
a. Rs. 2000 b. Rs. 10, 000 c. Rs. 15000 d. Rs.	20000	_									
25. At the rate of 8 $\frac{1}{2}$ % p.a. simple interest a sum of Rs. 4800 will earn how much in	nterest in 2 year	rs 3									
months?	[]									
a. Rs. 796 b. Rs. 816 c. Rs. 918 d. Rs.											
26. At what rate percent of simple interest will a sum of money double it self in 12 ye	ears [
a. $8\frac{1}{4}\%$ b. $\frac{1}{3}\%$ c. $8\frac{1}{2}\%$ d. $9\frac{1}{2}\%$		J									
3		J									
7 2 2	n 4 yr the sum	is									
27. A sum of money at simple interest amounts to Rs. 815 in 3 years and to Rs. 854 i a. Rs. 650 b. Rs. 690 c. Rs. 698 d. Rs.	•	is									
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Physics

31. Workdone on a	body can be				[]	
a. Pos	•	negative	c. zero	d. all the a	bove	
32. If a porter (of h	neight 150cm) lifts the			latform and keep	ps on his head the	
-	im on the load is	C	J 1		1	
a. 200		c. 2	zero d	. 300J		
	kept on a horizontal s				ugh a distance of 10r	n
	ration of 1m/s ² . The an				1	
a. 200			•	. 200J	,	
34. Units of the wo				ſ]	
a. Nev		Joule	c. N/m	d. J/sec		
	s 4kg is on the table o			rgy is]	
a. 20J		-	-	. 200J	1	
36. A 100 kg man	is running uniformly			c energy is	1	
a. 20J	•	-		. 200J	,	
37. A 4 kg vulture	is flying with speed o				tial energy is	
a. 50J	b. 1000J			. 100J		
38. The kinetic ene	ergy of a 4kg body is	50J. The speed	of the body is		[]	
	he body is doubled ar				/ is[]	
a. E	b. ½ E	c. ¼ E	d. 2E			
40. A body of mas	s m which is moving	with velocity 'v	y' has moment	tum p. If the mas	ss of the body is	
	velocity is doubled to			•	[]	
a. P	b 2p	c. 4p	d. 8p		_	
41. The momentum	n of a body having kin	netic energy 'E	is halved the	n the find kinetic	c energy is	
a. 2E		c. 4E	d. E/4		[]	
42. A body has mo	menta in the ratio of 2	2:3 at differen	t instant of tin	nes. The ratio of	K.E at those instant	is
•				[]	
a. 2:3	b. 3:2	c. 4:9	d. 9:4			
43. A body of mas	s 4 kg is at rest on the	table. Due to a	pplication of	force its velocity	changed to 5m/s aft	er
travelling a dis	tance of 10 m. The wo	ork done by the	force is	[]	
a. 25J	b. 50J	c. 2.5J	d. 5J			
44. A body of mas	s 5kg moving with a v	velocity of 6m/s	s comes to res	t due to external	force find the work	
done by the for					[]	
a. 60J	b 9	90J	c60J	d90J		
45. The intial kines	cic energy of a body is	s 50J. Find the a	amount of wo	rk done by the fo	orce if the final kineti	ic
energy is 150J				[]	
a. 50J	b. 100J	c. 200J	d. 250J			
Descriptive	type questions					
46. If the workdon	e by the force to doub	de the speed of	a hody is 300	I then find the ar	mount of work done	hs

46. If the workdone by the force to double the speed of a body is 300J then find the amount of work done by the force to triple the initial speed of the body?

The kinetic energy of a body is five times to that of another body when they are moving with same velocity. Find the ratio of their mass?