

Nucleus software mock - 2

Q1. What will b	e the least nur	nber which wh	nen doubled v	vill be exactly divisible by 12, 18, 21 and 30 ?						
(a) 196	(b) 630	(c) 1260	(d) 2520							
•				et price is charged towards transportation. In the selling price of the radio must be						
(a) Rs. 664.50	(b) Rs. 684	.50 (c) F	Rs. 704.50	(d) Rs. 724.50						
Q3. What is R's s which are neces			To answer this	question, three statements are given select						
I. Q started business investing Rs. 80,000.										
II. R joined him after 3 months.										
III. P joined afte	er 4 months wit	h a capital of I	Rs. 1,20,000 a	and got Rs. 6000 as his share profit.						
(a) All I, II and II	l (b) I an	d III only	(c) II and II	II only						
(d) Even with al	l I, II and III, the	e answer cann	ot be arrived a	at (e) None of these						
Q4. If 3 farmers 5 tractors take t (a) 12		an plough a fi (c) 24	eld in 43 days (d) 30	, then the number of days that 7 farmers and	i					
Q5. The average B and D?	e of four conse	cutive numbe	rs A, B, C and	D respectively is 49.5. What is the product of	of					
(a) 2499	(b) 2352	(c) 2450	(d) 2550	(e) None of these						
				e with diameter twice as much as that of the gether can empty the tank in						
(a) 38 minutes	(b) 30 minute	es (c) 13	(1/3) minutes	d) 8 minutes						
=	eight of a right (a) 30 [∏] m²	circular cone (b) 40 [∏] m²	is 10 m and it: (c) 60 ^Π	s height is 8 m. Find the area of its curved m^2 (d) 80^{Π} m^2						
deducted. A stu (a) 120 Q9. A simple in (a) 10%	udent score 48 (b) 130 terest amount (b) 6%	0 marks from (c) 11 of rs 5000 for (c) 8%	150 question. 0 (c six month is r 6 (d	s and on a wrong answer 2 marks are how many answers were correct? d) 150 s 200. what is the anual rate of interest? d) 9%						
_				the same direction at 46 km/hr and 36 km/hr. gth of each train is:						





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(a) 50 m	(b) 72 m	(c) 80 m	(d) 82 m						
Q11. An artical is (a) 500 Q12. The princip when interest is	(b) 488 oal amount that	(c) 480 becomes Rs.		(d) 510	e of the artical? rate of 25/4% per a	nnum			
(a) 4306	(b) 4396	(c) 409	6	(d) 4809					
Q13. If a man or be done by 1 ma (a) 21 days		-		ork in 44 days, th (d) 33 days	en the same piece	of work will			
	ematics out of 1	00 were 76 an	d that of g ff to two d	irls were 78. Wh	ively. Average mark at are average mark (e) None of the	s of boys			
Q15. Varun, Sach months and Kows		•	-	•	or 3 months. Sachin F of Kowshik.	ls. 650 for 8			
(a) Rs. 260.20	(b) Rs. 126	(c) Rs. 2	77.20	(d) Rs. 300.80					
_	Q16. Three numbers which are co-prime to each other are such that the product of the first two is 551 and that of the last two is 1073. The sum of the three numbers is:								
(a) 75	(b) 81	(c) 85		(d) 89					
Q17. The simple interest is Rs.16			-	s.160 and comp	ound interest at sar	ne rate of			
(a) 1000,11%	(b) 800,10%	(c) 1	600,8%	(d) 1200,12.	5%				
Q18. 125% of 86 ÷	÷ 43 × 32 ÷ 8 = ? ×	√25							
(a) 5	(b) 1	(c) 4	(d) 2	(e) 3					
Q19. Two trains ru seconds respectiv				-	atform in 27 seconds a ir speeds is:	and 17			
(a) 1:3	(b) 3:2	(c) 3:4		of these					
Q20. The MRP of a there fore the shir					nd a successive disc	ount of x%			
(a) 20%	(b) 25%	(c) 30%	(d) None	e of these					
-		_			with a total weight of nat is the new a verag	_			





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-	-	A to B and t		_	to C cost	(e) None of the above Rs. 77 but three tickets from city and C from A?	A to
(a) Rs. 4, Rs. 23	3 (b) Rs. 13	3, Rs. 17	(c) Rs. 15	i, Rs. 14	(d) Rs. ⁷	17, Rs. 13	
-			-			of 10 minutes. What is the speed ets the buses at intervals of 8	of a
(a) 7 km/hr	(b) 5 km/hr	(0	c) 4 km/hr	(d)	3 km/hr		
of the year, bot (a) 4 Months	th of them share (b) 7 Month more efficient tl	the profits s (c) 8	at the ratio 3 Months	of 2:1. After (d) 12 M ges are 25%	how man Ionths	im and invests Rs 57000. At the e y months Monty joined Raj? (is paid Rs. 75, how much will Y	nd
-						ound that he can row 5 km with to te of flow of the stream.	те
(a) 0.5 km/h	(b) 0.6 km/h	(c) 0.4 k	m/h (d)	0.75 km/h			
Q27. What per	centage of num	bers from 1	to 30 has 1	or 9 in the u	nit's digit'	?	
(a) 12	(b) 15	(c) 20	(d) 22				
Q28. The produ	uct of two numb	oers is 120 a	nd the sum	of their squ	ares is 28	9. The sum of the number is:	
(a) 20	(b) 23	(c) 169	(d) No	ne of these			
Q.29 Find the o	odd man out.						
10, 25, 45, 54,	60, 75, 80						
(a) 10	(b) 45	(c) 54	(d) 75				
Q30. Find the o							
(a) 396	(b) 427	(c) 671	(d) 2	264			
-	g stoppages, the the bus stop pe	-	bus is 72 kr	nph and inc	luding sto	ppages, it is 54 kmph. For how m	any
(a) 9	(b) 10	(c) 15	(d) 2	20			
tap is opened		litres of wate	er per minu	-		nours. If the tank is full of water are takes 15 hours to empty the tank	
(a) 1200 litres	(b) 2400 litres	(c) 4500) litres (d)	7200 litres			





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Q33. In a race of 800 metres, A can beat B by 40 metres. In a race of 500 metres, B can beat C by 5 metres. In a race of 200 metres, A will beat C by how many metres?

(a) 1.19 metre

(b) 1.27 metre

(c) 11.9 metre

(d) 12.7 metre

Q34. A hall is 15 m long and 12 m broad. If the sum of the areas of the floor and the ceiling is equal to the sum of the areas of four walls, the volume of the hall is:

(a) 720

(b) 900

(c) 1200

(d) 1800

Q35. In how many different ways can the letters of the word 'LEADING' be arranged in such a way that the vowels always come together?

(a) 360

(b) 480

(c) 720

(d) 5040

(e) None of these

Q36. A, B, C, D and E play a game of cards. A says to B, "If you give me three cards, you will have as many as E has and if I give you three cards, you will have as many as D has." A and B together have 10 cards more than what D and E together have. If B has two cards more than what C has and the total number of cards be 133, how many cards does B have?

(a) 22

(b) 23

(c) 25

(d) 35

Q37. Two trains are moving in opposite directions @ 60 km/hr and 90 km/hr. Their lengths are 1.10 km and 0.9 km respectively. The time taken by the slower train to cross the faster train in seconds is:

(a) 36

(b) 45

(c) 48

(d) 49

Q38. A can finish a piece of work in 20 days, B in 30 days. They started working on it, and A left 5 days before completion of the work. For how many days they worked together?

(a) 7 days

(b) 10 days

(c) 17 days

(d) 24 days

Q39. In a game of 100 points, A can give B 20 points and C 28 points. Then, B can give C:

(a) 8 points

(b) 10 points

(c) 14 points

(d) 40 points

Q40. A girl counted in the following way on the fingers of her left hand. She started by calling the thumb 1, the index finger 2, middle finger 3, ring finger 4, little finger 5 and then reversed direction calling the ring finger 6, middle finger 7 and so on. She counted upto 1994. She ended counting on which finger?

(a) Thumb

(b) Index finger

(c) Middle finger

(d) Ring finger

Answer key

1	В	9	С	17	В	25	С	33	С
2	D	10	Α	18	D	26	D	34	С
3	D	11	Α	19	В	27	С	35	С
4	Α	12	С	20	В	28	В	36	C
5	Α	13	В	21	D	29	С	37	С
6	D	14	Α	22	В	30	В	38	В
7	С	15	С	23	В	31	С	39	В
8	В	16	С	24	Α	32	D	40	В