Subject: - Mathematics

1. The difference	between the place	values of 7 in the	numeral 574873 is	
(a) 69930	(b) 59930	(c) 96390	(d) 69305	(e)
None of these				
2. (387*387+114	*114+2*387*114)	= (?)		
(a) 250001	(b) 251001	((260110	(d)
261001	(e) None of the	se	•	. ,
3. A trader has the	ree types of oils:	400 litres and 46	55 litres, respectively	. If
			pacity, what is the le	
number so tins re	quired?			
(a) 42	(b) 21	(c) 7	(d) 84	
(e) None of these				
4. The length and	d breadth of a roo	m are 13m and	7.5m, respectively.	The
floor of the room	is to be paved wit	h square tiles of	uniform size. Determ	ine
the length of the l	argest possible size	e of the tile.		
(a) 1.0 m	(b) 0.5 m	(c) 1.5 m	(d) 5.0	
(e) 6.0				
5. If the unit digit	in the product (45	59*46*28?*484)	is 2, the digit in place	e of
?is				
(a) 3	(b) 5	(c) 7	(d) 8	
(e) None of these				
6. Which one of	the following nu	mbers is not a	square of any natu	ıral
number?				
(a) 17956	(b) 18225	(c) 53361	(d) 63592	(e)
None of these				
			s a half of his marks	
			subjects together, h	now
many marks did h	ne get in social stud	lies?		
(a) 40	(b) 60	(c) 80	(d) 90	
(e) None of these				
		-	. Four periods are h	
			are given free to	the
	ct duration of each	•		
	(b) 48 minutes	(c) 51 minutes	(d) 53 minutes	(e)
None of these				
	20z, the value of z	z is		
(a) 70	(b) 180	(c) 120	(d) 50	
(e) None of these				
10. What number	•	h the asterisks in	(?/21*?/189) = 1?	
(a) 21	(b) 63	(c) 147	(d) 3969	
(e) 4968				
11. Which one of	the following fraction	ons is the smalles	st?	
(a) 13/16	(b) 15/19	(c) 17/21	(d) 7/8	
(e) None of these				

12. If the differer what is the numb		5 th part and 1/3 rd	part of a number is	s 4	
(a) 60 (e) None of these	(b) 100	(c) 80	(d) 120		
_	e +ive integers such wing will also be divi		a multiple of 11, th	en	
	(b) x+y+4	•	(d) 4x-9y	(e)	
_	e the two digits of the then x+y is equal to	_	such that this numb	oer	
(a) 2 (e) None of these	(b) 3	(c) 4	(d) 6		
15. What is the perfect cube?	smallest number by	y which 3600 be	divided to make it	ta	
(a) 9 (e) 500	(b) 50	(c) 300	(d) 450		
16. What may be	substracted from 39	9468 to make it p	erfect square?		
(a) 192	(b) 264	(dc) 246	(d) 280		
(e) None of these					
17. 1399*1399=3	?				
(a) 1687401 None of these	(b) 1901541	(c) 1943211	(d) 1957201	(e)	
18. The product the other one is	of two numbers is y	//x. IF one of the	numbers is x/y^2 , th	ien	
(a) y^3/x^2 (e) x^2/y^2	(b) y^2/x^3	(c) x^2/y	(d) x/y^2		
19. Mukesh has	twice as much mon-	ey as Sohan and	Sohan has 50% mo	ore	
money than wha then Mukesh has	t Pankaj has. If the	e average money	with them is Rs 17	10,	
(a) Rs 55 Rs 200	(b) Rs 60	(c) Rs 90	(d) Rs 180	(e)	
20. A cricketer h	as a certain averag	e for 9 innings. I	n the tenth inning,	he	
scores 100 runs, is	thereby increasing	his average by 8	runs. His new avera	ige	
(a) 20 runs None of these	(b) 24 runs	(c) 28 runs	(d) 32 runs	(e)	
21. A number when divided by 296 gives a remainder 75. What will be the remainder when the same number is divided by 37?					
(a) 3	(b) 5	(c) 1	(d) 6		
(e) 8	-	\-/ ·	(, -		
	the sum of all odd nu	umbers between 3	30 and 50?		
(a) 625	(b) 40			(d)	
` '	600	(-7		` /	

23. In an election	between two can	didates, a candidat	e who gets 40 percent		
of total votes is defeated by 15000 votes. The number of votes polled by the					
winning candidate					
(a) 6000 10% increase	(b) 10000	(c) 22500	(d) 45000 (e)		
24. The populati			rcent annually. If its		
• •		would it be in 1997			
(a) 9200 None of these	(b) 10400	(c) 9600	(d) 10580 (e)		
25. What will be t	he sum of all the e	ven numbers between	een 1 and 60?		
(a) 870	(b) 960	(c) 840	(d) 720		
(e) None of these					
26. Find the large	st number of five o	ligits which is divisi	ble by 17.		
(a) 99999	(b) 99960	(c) 99994	(d) 10013 (e)		
10014	(5) 77700	(6) ////-	(d) 10013 (c)		
27. A sum of mor	ney was divided be	tween A, B and C,	such that when A gets		
Re 1 then B gets	65 paise and C g	ets 40 paise. If C's	s share be Rs 40 then		
what is that sum of	of money?				
(a) Rs 82 Rs 305	(b) Rs 126.15	(c) Rs 105	(d) Rs 205 (e)		
	nd by Komal in Eng	alich are equal to 1	/3 rd of marks obtained		
	3	•	e subjects is 160. How		
_	she secure in Music	_	e subjects is 100. How		
3			(4) 00		
(a) 120	(b) 60	(c) 30	(d) 90		
(e) 100					
•	•	digits are divisible	•		
(a) 48	(b) 47	(c) 25	(d) 52		
(e) 54					
30. What is the la	rgest prime number	er by which 871 is e	exactly divisible?		
(a) 13	(b) 1	(c) 67	(d) 871		
(e) None of these					
31. Vivek purchas	sed 120 tables at	a price of Rs 110	per table. He sold 30		
tables at a profit	of Rs 12 per table	e and 75 tables at	a profit of Rs 14 per		
table. The remain	ing tables were so	ld at a loss of Rs 7	per table. What is the		
average profit per	table?				
(a) Rs 12.875	(b) Rs 10.04	(c) 10.875	(d) Rs 12.80 (e)		
Rs 13.80					
32. A book deale	r allows 16 per ce	nt discount to a re	etailer and the retailer		
	•		discounts are given on		
			270 for a book and the		
			ice of the book for the		
dealer?	,	'			
(a) Rs 252	(b) Rs 243	(c) Rs 240	(d) Rs 250 (e)		
Rs 350	• /	• /			

	e between the grea 8 and end with 6 is		numbers of eight of	ligits
(a) 99999999 None of these		(c) 80000006	(d) 9999996	(e)
) than 2*E is agual	+0		
	2 then 3*5 is equal		(1) 45	
(a) 16 (e) 18	(b) 34	(c) 8	(d) 15	
35. The Simple in years is half the s		of money at 8 per	cent per annum f	for 6
	(b) Rs 6000	(c) Rs 8000	(d) Rs 7000	(e)
36. How long will		_	5 per cent per an	num
•	increase its value			
(a) 5 years 10 years	(b) 6 years	(c) 7 years	(d) 8 years	(e)
37. A number, wh	nen successively d	ivided by 3 and 5,	leaves remainder	of 2
and 1, when the s	same number is div	vided by 15, the re	mainder is	
(a) 1	(b) 2	(c) 5	(d) 7	
(e) 10				
38. The numbers	1, 3, 5, 25	are multiplied too	gether. The numbe	rs of
	end of the product		•	
(a) 1	(b) 0	(c) 2	(d) 3	
(e) 8	· /	· /	· /	
39. What will be	the compound inte	erest on Rs 240 fo	r 2 years at 4 per	cent
per annum?	,		3	
(a) Rs 19.20	(b) Rs 9.60	(c) F	Rs 19.18 (d)	Rs
19.58 (e) Rs		,	,	
40. Find the corpayable half-year		n Rs 15000 at 8	per cent per an	num
		(a) Do 1200	(d) Dc 1224	(0)
Rs 1324	(b) Rs 1432	(C) RS 1200	(d) Rs 1224	(e)
41. A is twice as	good a workman	as B and together	they finish a pied	ce of
work in 14 days.	The number of day	s taken by A alone	to finish the work,	, is
(a) 11	(b) 21	(c) 28	(d) 42	
(e) 50		. ,	. ,	
42. A and B can d	lo a work in 10 day	s. B and C in 12 d	ays while C and A i	n 15
	ould they take if al		3	
(a) 5days	(b) 4 days	(c) 7 days	(d) 8 days	(e)
10 days				(-)
3	fast as B and B is t	hrice as fast as C i	is. The journey cov	ered
	s will be covered b			
(a) 18 min	(b) 27 min	-	(d) 9 min	(e)
10 min	(-)	(-,	() · · · · · · ·	(0)
	seconds a cyclist	will pass a distanc	e of 100 metres at	t the
speed of 10 km/h		1		

(a) 25 sec	(b) 36 sec	(c) 40 sec	(d) 42 sec	
(e) 50 sec				
45. At 3.40, the	hour hand and the	minute hand of a	clock form an angle	of
(a) 120°	(b) 125°	(c) 130°	(d) 135°	(e)
140°				
46. How many til	mes are the hands	of a clock at right	angles in a day?	
(a) 22	(b) 24	(c) 44	(d) 48	
(e) 50				
47. Today is Tue:	sday. After 62 days	s it will be		
	(b) Monday	(c) Thursday	(d) Sunday	
(e) Tuesday				
_	March of 5 of a y	ear is the same o	lay on what date of	the
same year?				
	(b) 5 th October	(c) 5 November	r (d) 5 December	(e)
None of these				
	2		unded by a footpath	5 m
	nat is the area of th	•	4 12 4 2 2	
	(b) 1100 m ²	(c) 550 m ²	(d) 625 m²	(e)
700 m ²	6 1 1			0.7
		vided by its surfa	ce area, the result is	5 27
cm. The radius o	•	() = 4	(1) 0(
	(b) 9 cm	(c) 54 cm	(d) 36 cm	
(e) 40 cm				

Answer of these Questions:-

1	2	3	4	5	6	7	8	9	10
Α	В	Α	В	С	D	D	В	D	В
11	12	13	14	15	16	17	18	19	20
В	D	В	D	D	В	D	Α	D	С
21	22	23	24	25	26	27	28	29	30
С	В	D	D	Α	С	D	Α	D	С
31	32	33	34	35	36	37	38	39	40
С	С	D	В	D	D	С	В	D	D
41	42	43	44	45	46	47	48	49	50
В	D	Α	В	С	С	В	С	В	Α