#### **MCA Model Paper 4**

1. The digit in the uni	t place of the number rep	presented by $(7^{95} - 3^{56})$	<sup>8</sup> ) is:
(1) 7	(2) 0	(3) 6	(4) 4
2. The units digit in th	ne product $(2467)^{153}$ x $(34)^{2}$	11) <sup>72</sup> is:	
(1) 1	(2) 3	(3) 7	(4) 9
3. Which of the follow	ing numbers should be a	dded to 11158 to ma	ke it exactly
divisible by 77?			
(1) 9	(2) 8	(3) 7	(4) 5
4. The traffic lights a	t three different road cro	ssings change after e	every 48 sec. 72 sec.
and 108 sec. respe	ctively. If they all change	simultaneously at 8	: 20 : 00 hours, then
·	nge simultaneously at :		
(1) 8: 27: 12 h		(2) 8:27:24 hou	
(3) 8: 27: 36 h		(4) 8:27:48 hou	
	mbers is 528 and their H	.C.F. is 33. The num	ber of pairs of such
· ·	the above condition is:		
(1) 6	(2) 12	(3) 8	(4) 4
	father is five times the ag		
	ge of his son at that time		-
(1) 45 years	(2) 40 years	(3) 48 years	(4) 49 years
	average age of A and B		joining then now the
_	2 years. How old is C nov		(4) 20
(1) 20 years	(2) 25 years	(3) 28 years	` '
	to be divided among P, Q		
	gether is Rs 400 more tha		
(1) Rs 400	(2) Rs 500	(3) Rs 600	(4) Rs 7.50
	56 in the form of coins of		_
	coins is double the numles coins. How many 50 pa	<del>-</del>	
(1) 64	(2) 32	(3) 16	(4) Data inadequate
` /	price of T.V. sets by 30 %	` /	` '
	ue receipts of the shop?	o, then sales decreas	ses by 20 /0. What is the
(1) 4% increase	<u>-</u>	(3) 8% increase	(4) 8% decrease
,	, ,	, ,	,
	old for Rs 840 earns a pro		
	sold for Rs. 600. What is		
(1) Rs. 500	(2) Rs. 680	(3) Rs. 720	(4) Data inadequate
12. The sum of five te	rms of an in arithmetic p	rogression is 70. The	product of the extreme
terms is 132. Find	_		•
(1) 8,12	(2) 10,12,14	(3) 6,10,14	(4) 8,12,16
13. Avinash borrowed	d Rs. 5000 from Sanjay a	it simple interest. Aft	ter 3 years, Sanjay get
Rs. 300 more than	n what he had given to A	vinash. What was the	e rate of interest per
annum?			
(1) 2%	(2) 5%	(3) 8%	(4) 10%

	The difference in comp	•	-	
	10% per annum at the en (1) Rs. 40,000	(2) Rs. 1,20,000		(4) Rs. 20,000
		, , , ,	,	,
15.	<b>Bombay Express left De</b>			
	and Rajdhani Express le	•	· ·	· · · · · · · · · · · · · · · · · · ·
	travelling at a speed of 8	-	•	
	(1) 120 km	, ,	(3) 480 km	(4) 500 km
16.	A person walks at 5 km	ph for 6 hours and at	4 kmph for 12 hours	. The average speed
	of the man is:	(2) 4 1/21/1-	(2) 4 1/21/1-	(4) 4 2/2 1/1-
17	, ,	(2)4 1/3km/h	. ,	` /
1/.	A car can finish a certai the same distance in 8 h			
	(1) 6 km/h	(2) 7.5 km/h	(3) 12 km/h	(4) 15 km/h
1 Q	I have to be at a certain	1 /	\ /	` /
10.	late if I walk at 3 km/h	-		
	have to walk?	and 10 minutes to	o soon ii i wark	at 4 km/n. 110 w 1at 1
	(1) 6 km	(2) 10 km	(3) 12 km	(4) 16 km
19.	A can do a certain job in	' '	` '	` /
	it takes B to do the same	<u>-</u>		
	(1) 6	(2) 6 1/4	(3) 7 1/2	(4) 8
20	10 -1.9.1 4-1 16 1	. 4		J l 0 . J J4. : 13
<i>20</i> .	12 children take 16 days	s to combiete a work v	wnich can be combie	lea by 8 adults in 12
	•	-	-	•
	days. 16 adults started v	vorking and after 3 d	ays, 10 adults left and	d 4 children joined
	days. 16 adults started v them. How many days v	vorking and after 3 devill it take them to con	ays, 10 adults left and mplete the remaining	d 4 children joined work?
	days. 16 adults started v them. How many days v (1) 6	vorking and after 3 devill it take them to con (2) 8	ays, 10 adults left and mplete the remaining (3) A	d 4 children joined work? (4) 3
	days. 16 adults started v them. How many days w (1) 6 Two pipes can fill a tank	vorking and after 3 devill it take them to cou (2) 8 k in 10 hours and 12 h	ays, 10 adults left and mplete the remaining (3) A nours respectively wh	d 4 children joined work? (4) 3 ille a third pipe
	days. 16 adults started v them. How many days v (1) 6 Two pipes can fill a tank empties the full tank in 2	vorking and after 3 devill it take them to concept (2) 8 c in 10 hours and 12 h	ays, 10 adults left and mplete the remaining (3) A nours respectively wh	d 4 children joined work? (4) 3 ille a third pipe
	days. 16 adults started v them. How many days v (1) 6 Two pipes can fill a tank empties the full tank in a much time the tank will	vorking and after 3 divill it take them to con (2) 8 k in 10 hours and 12 h 20 hours. If all the thill be filled?	ays, 10 adults left and mplete the remaining (3) A nours respectively where pipes operate sim	d 4 children joined work? (4) 3 alle a third pipe ultaneously, in how
	days. 16 adults started v them. How many days v (1) 6 Two pipes can fill a tank empties the full tank in 2	vorking and after 3 devill it take them to concept (2) 8 c in 10 hours and 12 h	ays, 10 adults left and mplete the remaining (3) A nours respectively wh	d 4 children joined work? (4) 3 alle a third pipe ultaneously, in how
21.	days. 16 adults started v them. How many days v (1) 6 Two pipes can fill a tank empties the full tank in a much time the tank will	vorking and after 3 divill it take them to con (2) 8 k in 10 hours and 12 h 20 hours. If all the this be filled?	ays, 10 adults left and mplete the remaining (3) A nours respectively where pipes operate sim (3) 7 hours 30 min	d 4 children joined work? (4) 3 hile a third pipe ultaneously, in how (4) 8 hours 30 min
21.	days. 16 adults started v them. How many days v (1) 6 Two pipes can fill a tank empties the full tank in 2 much time the tank will (1) 7 hours	vorking and after 3 divill it take them to con (2) 8 c in 10 hours and 12 h 20 hours. If all the this be filled?  (2) 8 hours kmph in still water. I	ays, 10 adults left and mplete the remaining (3) A nours respectively where pipes operate sim (3) 7 hours 30 min f the speed of the street	d 4 children joined work? (4) 3 hile a third pipe ultaneously, in how (4) 8 hours 30 min
21.	days. 16 adults started v them. How many days v (1) 6  Two pipes can fill a tank empties the full tank in 2 much time the tank will (1) 7 hours  A man row a boat at 10 time taken to row a distance.	vorking and after 3 divill it take them to con (2) 8 c in 10 hours and 12 h 20 hours. If all the this be filled?  (2) 8 hours kmph in still water. I	ays, 10 adults left and mplete the remaining (3) A nours respectively where pipes operate sim (3) 7 hours 30 min f the speed of the street	d 4 children joined work? (4) 3 hile a third pipe ultaneously, in how (4) 8 hours 30 min
<ul><li>21.</li><li>22.</li></ul>	days. 16 adults started v them. How many days v (1) 6  Two pipes can fill a tank empties the full tank in 2 much time the tank will (1) 7 hours  A man row a boat at 10 time taken to row a distant (1) 8 hours	vorking and after 3 divill it take them to con (2) 8 k in 10 hours and 12 h 20 hours. If all the third be filled? (2) 8 hours kmph in still water. I ance of 50 km down to (2) 5 hours	ays, 10 adults left and mplete the remaining (3) A nours respectively where pipes operate sim (3) 7 hours 30 min f the speed of the stream is.  (3) 10 hours	d 4 children joined work? (4) 3 file a third pipe ultaneously, in how (4) 8 hours 30 min eam is 6 kmph, the (4) 20 hours
<ul><li>21.</li><li>22.</li></ul>	days. 16 adults started v them. How many days v (1) 6  Two pipes can fill a tank empties the full tank in 2 much time the tank will (1) 7 hours  A man row a boat at 10 time taken to row a distant (1) 8 hours  In seven given numbers.	vorking and after 3 divill it take them to con (2) 8  k in 10 hours and 12 h 20 hours. If all the third be filled? (2) 8 hours  kmph in still water. If ance of 50 km down to (2) 5 hours  the average of first for the still water of 50 km down to (2) 5 hours	ays, 10 adults left and mplete the remaining (3) A nours respectively where pipes operate sim (3) 7 hours 30 min of the speed of the stream is.  (3) 10 hours four numbers is 4 and four numbers is 4 and four stream is the strea	d 4 children joined work? (4) 3 dile a third pipe ultaneously, in how (4) 8 hours 30 min eam is 6 kmph, the (4) 20 hours
<ul><li>21.</li><li>22.</li></ul>	days. 16 adults started v them. How many days v (1) 6  Two pipes can fill a tank empties the full tank in a much time the tank will (1) 7 hours  A man row a boat at 10 time taken to row a dista (1) 8 hours  In seven given numbers, numbers is also 4. If the	vorking and after 3 divill it take them to con (2) 8  k in 10 hours and 12 h 20 hours. If all the the left be filled? (2) 8 hours  kmph in still water. If ance of 50 km down to (2) 5 hours  the average of first for average of these sever	ays, 10 adults left and mplete the remaining (3) A nours respectively where pipes operate sim  (3) 7 hours 30 min  If the speed of the streethe stream is.  (3) 10 hours  Four numbers is 4 and the numbers is 3, the f	d 4 children joined work? (4) 3 lile a third pipe ultaneously, in how (4) 8 hours 30 min leam is 6 kmph, the (4) 20 hours I that of the last four ourth number is:
<ul><li>21.</li><li>22.</li><li>23.</li></ul>	days. 16 adults started v them. How many days v (1) 6  Two pipes can fill a tank empties the full tank in 2 much time the tank will (1) 7 hours  A man row a boat at 10 time taken to row a dista (1) 8 hours  In seven given numbers, numbers is also 4. If the (1) 3	vorking and after 3 divill it take them to con (2) 8  k in 10 hours and 12 h 20 hours. If all the the left be filled? (2) 8 hours  kmph in still water. If ance of 50 km down to (2) 5 hours  the average of first for average of these seven (2) 4	ays, 10 adults left and mplete the remaining (3) A hours respectively wheree pipes operate sim (3) 7 hours 30 min f the speed of the stream is. (3) 10 hours four numbers is 4 and can numbers is 3, the f (3) 7	d 4 children joined work? (4) 3 dile a third pipe ultaneously, in how (4) 8 hours 30 min eam is 6 kmph, the (4) 20 hours
<ul><li>21.</li><li>22.</li><li>23.</li></ul>	days. 16 adults started v them. How many days v (1) 6  Two pipes can fill a tank empties the full tank in 2 much time the tank will (1) 7 hours  A man row a boat at 10 time taken to row a dista (1) 8 hours  In seven given numbers, numbers is also 4. If the (1) 3 2log169 - 3log143 + log	vorking and after 3 divill it take them to con (2) 8  k in 10 hours and 12 h 20 hours. If all the third be filled? (2) 8 hours  kmph in still water. If ance of 50 km down to (2) 5 hours  the average of first for average of these seven (2) 4  1100 - log1300 + log1	ays, 10 adults left and implete the remaining (3) A hours respectively where pipes operate sim  (3) 7 hours 30 min  If the speed of the streethe stream is.  (3) 10 hours  Four numbers is 4 and the numbers is 3, the form (3) 7	d 4 children joined work?  (4) 3  tile a third pipe ultaneously, in how  (4) 8 hours 30 min eam is 6 kmph, the  (4) 20 hours  I that of the last four ourth number is:  (4) 11
<ul><li>21.</li><li>22.</li><li>23.</li></ul>	days. 16 adults started v them. How many days v (1) 6  Two pipes can fill a tank empties the full tank in 2 much time the tank will (1) 7 hours  A man row a boat at 10 time taken to row a dista (1) 8 hours  In seven given numbers, numbers is also 4. If the (1) 3 2log169 - 3log143 + log	vorking and after 3 divill it take them to con (2) 8  k in 10 hours and 12 h 20 hours. If all the third be filled? (2) 8 hours  kmph in still water. If ance of 50 km down to (2) 5 hours  the average of first for average of these seven (2) 4  1100 - log1300 + log1	ays, 10 adults left and mplete the remaining (3) A hours respectively wheree pipes operate sim (3) 7 hours 30 min f the speed of the stream is. (3) 10 hours four numbers is 4 and can numbers is 3, the f (3) 7	d 4 children joined work? (4) 3 lile a third pipe ultaneously, in how (4) 8 hours 30 min leam is 6 kmph, the (4) 20 hours I that of the last four ourth number is:
<ul><li>21.</li><li>22.</li><li>23.</li><li>24.</li></ul>	days. 16 adults started v them. How many days v (1) 6  Two pipes can fill a tank empties the full tank in a much time the tank will (1) 7 hours  A man row a boat at 10 time taken to row a dista (1) 8 hours  In seven given numbers, numbers is also 4. If the (1) 3 2log169 - 3log143 + log (1) 0	vorking and after 3 divill it take them to con (2) 8  k in 10 hours and 12 h 20 hours. If all the third be filled? (2) 8 hours  kmph in still water. If ance of 50 km down to (2) 5 hours  the average of first for average of these seven (2) 4  1100 - log1300 + log1	ays, 10 adults left and implete the remaining (3) A hours respectively where pipes operate sim  (3) 7 hours 30 min  If the speed of the streethe stream is.  (3) 10 hours  Four numbers is 4 and the numbers is 3, the form (3) 7	d 4 children joined work?  (4) 3  tile a third pipe ultaneously, in how  (4) 8 hours 30 min eam is 6 kmph, the  (4) 20 hours  I that of the last four ourth number is:  (4) 11
<ul><li>21.</li><li>22.</li><li>23.</li><li>24.</li><li>25.</li></ul>	days. 16 adults started verthem. How many days verthem. How many days verthem. How many days verthem. How many days verthem. How pipes can fill a tank empties the full tank in 2 much time the tank will (1) 7 hours  A man row a boat at 10 time taken to row a district (1) 8 hours  In seven given numbers, numbers is also 4. If the (1) 3 $2\log 169 - 3\log 143 + \log (1) 0$ If $5\sqrt{5} \times 5^3 \div 5^{-3/2} = 5$	vorking and after 3 divill it take them to con (2) 8  k in 10 hours and 12 h 20 hours. If all the the left be filled? (2) 8 hours  kmph in still water. If ance of 50 km down to (2) 5 hours  the average of first for average of these seven (2) 4  1100 - log1300 + log1 (2) 1  12, the value of a is: (2) 5	ays, 10 adults left and mplete the remaining (3) A nours respectively wheree pipes operate sim  (3) 7 hours 30 min  If the speed of the streethe stream is.  (3) 10 hours  Four numbers is 4 and en numbers is 3, the f  (3) 7  21  (3) 10	d 4 children joined work?  (4) 3  tile a third pipe ultaneously, in how  (4) 8 hours 30 min eam is 6 kmph, the  (4) 20 hours  I that of the last four ourth number is:  (4) 11  (4) None of these  (4) 8
<ul><li>21.</li><li>22.</li><li>23.</li><li>24.</li><li>25.</li></ul>	days. 16 adults started verthem. How many days verthem (1) 6  Two pipes can fill a tank empties the full tank in 2 much time the tank will (1) 7 hours  A man row a boat at 10 time taken to row a district (1) 8 hours  In seven given numbers, numbers is also 4. If the (1) 3  2log169 - 3log143 + log (1) 0  If $5\sqrt{5} \times 5^3 \div 5^{-3/2} = 5^a$ (1) 4	vorking and after 3 divill it take them to con (2) 8  k in 10 hours and 12 h 20 hours. If all the the left be filled? (2) 8 hours  kmph in still water. If ance of 50 km down to (2) 5 hours  the average of first for average of these seven (2) 4  1100 - log1300 + log1 (2) 1  12, the value of a is: (2) 5	ays, 10 adults left and mplete the remaining (3) A nours respectively wheree pipes operate sim  (3) 7 hours 30 min  If the speed of the streethe stream is.  (3) 10 hours  Four numbers is 4 and en numbers is 3, the f  (3) 7  21  (3) 10	d 4 children joined work?  (4) 3  tile a third pipe ultaneously, in how  (4) 8 hours 30 min eam is 6 kmph, the  (4) 20 hours  I that of the last four ourth number is:  (4) 11  (4) None of these  (4) 8

27.		iece of metal of radi he height of the cond	6	n is shaped into a cone of
	(1) 8 cm	(2) 12 cm	(3) 14 cm	(4) 18 cm
28.	' /	' '	` ,	h water. A sphere 30 cm in
	•		ease in the level of wate	-
	(1) 2  cm	(2) 3 cm	(3) 4cm	(4) 5cm
29.	\ /	` '	` /	ected, in how many different
		•	at least one boy should	•
	(1) 159	(2) 194 (3) 2	· ·	(e) None of these
30.	' /		ers of the word 'LEA	* *
	(1) 72	(2) 144 (3) 3		(e) None of these
In a tall girl	est girl. Divya is	girls, Aruna is talle not as short as Pri etha and taller tha	ya who is not the shor	er than Hema who is not the test. Shilpa is shorter than 4 data is available about the
31.	The tallest girl is	8		
	1) Divya	2) Aruna	3) Bama	4) Geetha
32.	The shortest girl	lis	,	,
	1) Bama	2) Divya	3) Shilpa	4) Hema
33.	The girl who sta	nds middle in the he	, .	,
	1) Divya	2) Aruna	3) Priya	4) Hema
34.	, .	girls taller than Aru	, ,	,
	1) One	2) Two	3) Three	4) Four
35.	,	,	ience 2, 7, 10, 63,?, 215,	*
	1) 26	2) 28	3) 80	4) 126
	1) 20	2) 20	3) 00	1) 120
Thr	other three fac	es of a cube having a	-	ainted with green colour and is cut into 216 equal smal
36.		l cubes have green p remaining four face		d paint on another face and
	1) 12	2) 24	3) 48	4) 96
37.	How many smal	l cubes have no pain	t on any of the faces?	
	1) 48	2) 64	3) 96	4) 125
38.	<b>How many smal</b>	l cubes have paint o	nly on one face?	
	1) 96.	2)72	3) 64	4) 48
39.	How many smal	l cubes have red col	our on - two faces and s	green colour one one face
	•	the other three face	•	-
	1)2	2) 3	3) 4	4) 6

Directions (Questions 40 to 47): The following questions are based on the diagram given below:

	(1) Rectangle	e represents males.			
	• • • • • •	represents educated.			
		oresents urban.			
	•	presents civil servants			
<b>40.</b>		•	ted male who is not an	urban residents?	
	(1) 4	(2) 5	(3) 9	(4) 11	
41.	' '	\	civil servant nor educa	( )	not a male?
	(1) 2	(2) 3	(3) 6	(4) 10	
<b>42.</b>	` '	( /	urban resident and als	( )	
	(1) 6	(6) 7	(3) 10	(4) 13	
<b>13</b> .	` '	` '	ated male who hails fro	` '	
	(1) 4	(2) 2	(3) 11	(4) 5	
<b>44.</b>	` '	\ /	ed and also an urban n	nale?	
	(1)2	(2)3	(3)11	(4)12	
<b>45.</b>	` '	following is only a civ	vil servant but not a ma	* *	d and
	uneducated?	<i>.</i>			
	(1) 7	(2) 8	(3) 9	(4) 14	
<b>46.</b>	Who among the	following is a male, u	rban oriented and also	a civil servant but n	ot educated?
	(1) 13	(6)12	(3) 6	(4) 10	
<b>47.</b>	Who among the	following is a male ci	vil servant, who is neit	her educated nor belo	ongs to urban
	area?				C
	(1) 7	(6) 13	(3) 4	(4) 1	
	• •	• •		• •	

Directions: Each question below is followed by two labelled facts [labelled as (1) and (2)]. You are to determine whether the data given in the statement are sufficient for answering the questions. Use the data given, plus your knowledge of Mathematics and every day facts,

3) If you can get the answer from both (1) and (2) but not from (1) alone or (2) alone.

4) If you cannot get the answer from statement (1) and (2) together, but need even more data.

to choose amongst possible answer from (1) to (5),

1) If you can get the answer from (1) alone but not from (2) alone. 2) If you can get the answer from (2) alone but not from (1) alone.

#### 48. What is Reena's rank in the class?

- I. There are 26 students in the class.
- II. There are 9 students who have scored less than Reena.

#### 49. Who is the father of M?

- I. A and B are brothers.
- II. B's wife is sister of M's wife.

#### 50. What day is the fourteenth of a given month?

- I. The last day of the month is a Wednesday.
- II. The third Saturday of the month was seventeenth.

#### 51. Among four friends A, B, C and D, who is the heaviest?

- I. B is heavier than A, but lighter than D.
- II. C is lighter than B.

#### 52. It is 8.00 p.m., when can Hemant get next bus for Ramnagar from Dhanpur?

- I. Buses for Ramnagar leave after every 30 minutes, till 10 p.m.
- II. Fifteen minutes ago, one bus has left for Ramnagar.

## 53. In a certain code '13' means 'stop smoking" and '59' means 'injurious habit'. What is the meaning of '9' and '5' respectively in that code?

- I. '157' means 'stop bad habit'.
- II. '839' means 'smoking is injurious'.

#### 54. When is Manohar's birthday this year?

- I. It is between January 13 and 15, January 13 being Wednesday.
- II. It is not on Friday.

#### 55. On which day the flat was purchased by Rohan in 1996?

- I. Certainly before 18th December, 1996 but definitely not before 15th December, 1996.
- II. Certainly after 16th December, 1996 but not later than 19th December, 1996.

#### 56. Is Arun taller than Sachin?

- I. Dinesh is of the same height as Arun and Sachin.
- II. Sachin is not shorter than Dinesh.

### 57. Buses are always punctual in city X. How long, at the most, will Mr. Roy have to wait for the bus?

- I. Mr. Roy has come to the bus stand at 9 A.M.
- II. There is a bus at 10 A.M. and possibly another bus even earlier.

# 58. The Chairman of a big company visits one department on Monday of every week except for the Monday of third week of every month. When did he visit the Purchase department?

- I. He visited Accounts department in the second week of September after having visited Purchase department on the earlier occasion.
- II. He had visited Purchase department immediately after visiting Stores department but before visiting Accounts department.

#### 59. How is D related to A?

- I. B is the brother of A.
- II. B is D's son.

#### 60. Is D brother of F?

- I. B has two sons of which F is one.
- II. D's mother is married to B.

Direction: In a school, there were five teachers. A and B were teaching Hindi and English. C and B were teaching English and Geography. D and A were teaching Mathematics and Hindi, E and B were teaching History and French.

ese		
tics		
(e) Mathematics and Hindi		
sta		
ient		
ı ar		
r		

- (3) If either conclusion I or II follows.
- (4) If neither I nor II follows.
- 66. Statements: (1) Some books are cars,
  - (2) Some car are boxes.
  - Some books are boxes. **Conclusions:** I.
    - Some boxes are books. II.
- 67. 'Statements: (1) Some kings are queens.
  - (2) All queens are beautiful.
  - All kings are beautiful. **Conclusions:** I.
    - All queens are kings. II.
- 68. Statements: (1) No papers are pens.
  - (2) No pencils are pens.
  - **Conclusions** Some pens are pencils. I.
    - Some pens are papers. II.
- 69. 'Statements: (1) Some nurses are nuns
  - (2) Madhu is nun
  - **Conclusions** Some nuns are nurses
    - Some nurses are not nuns
- (1) All poles are guns 70. 'Statements:
  - (2) Some boats are not poles.
  - **Conclusions** I. All guns are boats
    - Some boats are not guns II.

statements (1) ents to be true are to decide

71. Second generat	ion computers are ma	nufactured using	
(1) Vacuum tube	es	(2) Transistors	
(3) Integrated ci	rcuit chips	(4) Micro Processor	rs .
72. Which of the fo	llowing is an example	of a volatile memory	y?
(1) RAM	(2) PROM	(3) ROM	(4) HARD DISK
73. In 7 bit ASCII	mode these are	zone bits	
(1) 4	(2) 3	(3) 2	(4) 5
74. First fully elect	<u>-</u>		
(1) UNIVAC	` '	(3) MANIAC	(4) EDVAC
75. Who developed			
(1) Michael shra	iyer	(2) Bjarne stoustrup	)
(3) Bushnell		(4) None of these	
76. The clock speed	d of Intel 8085 is		
(1) 8 MHz	(2) 3 MHz	(3) 12 MHz	(4) 20 MHz
	s are in the usual key l		
(1) 98	(2) 107	(3) 108	(4) 101
	was the first compute		
(1) use transiste		(2) use a sto	red program
	siness data processing		
	<del>-</del>		. The number of locations
<u> </u>	e available both for in		_
(1) 1024	(2) 4096	(3) 5048	(4) None of these
80. A buffer is	1.1		
	or high-speed I/O devic	es	
(2) comparable	e to		
(3) low	•		
(4) none of the			
	nerical Integrator and		(A) G 1 1 .
(1) ENAC	(2) ENIAC	(3) ENIACE	R (4) Calculator
	veights for Binary syst		(A) Q 0
(1) 10, 2	(2) 2, 2	(3) 8, 2	(4) 2, 8
	al equivalent of the bi	•	
		(3) 67	(4) 51
	ecimal equivalent of th		(4)100
(1) 10 C	(2) 132	(3)11C	(4)12B
85. A micro proces			
	nmable logic device	1 '1',	
	ing and decision makin		
	ocessing unit of a comp	uter	
(4) all the abov		1	41
	rogram that translate		
(1) high-level,		(2) low-leve	
(3) high-level,		(4) none of t	nese
•	levices are devices (2) high spee		speed (4) none of these
(1) IOW SDEED	(Z) IIIgh shee	u (3) IIICUIUIII	Specu (4) Holle of these

88.	A collection of card i	s called a				
	(1) graphic row	(2) deck	(3) CRT	(4) None of these		
89.	FORTRAN, COBO	L, BASIC, PL/1 etc. a	are called			
	(1) high level languag	ges	(2) low level lan	(2) low level languages		
	(3) assembly languag	es	(4) machine lan	guages		
90.	In generation of	computers, micropro		was introduced		
	(1) First	(2) Second	(3) Third	(4) Fourth		
91.	The register which	outs as a buffer bet	ween the CPU and t	he memory is		
	(1) PC	(2) MAR	(3) MBR	(4) 1R		
92.	The portion of the op	erating system selec	ts each program one	after another depending		
	on the availability of	CPU is called				
	(1) Time-sharing	· / I	(3) Scheduling	(4) None of these		
93.	A formalised system:		_			
	(1) program	(2) algorithm	C} flow chart	(4) none of these		
94.	What is a 'mega flop					
	(1) high capacity					
	(2) large storage of					
		ooting point operation	-			
	• *	of primary storage cap	acity			
95.	A monitor is					
	(1) software		(2) part of the Cl			
	(3) output hardwa		(4) Input/output hardware			
96.	"DRAM" and "SRA					
	(1) types of memo	•	(2) access methods			
	(3) types of disk d		(4) device speed measurements			
97.	Which is an example	• • •				
	(1) BASIC	(2) <b>RPG</b>	(3) SQL	(4) OS/2		
98.	Which of the following	0	_			
	(1) AND	(2) OR	(3) NOT	(4) NAND		
99.	A diskette is divided					
	(1) 20	(2) 40	(3) 45	(4) 50		
100	). A word processor c					
	(1) to print a text of		(2) to shout at a	•		
	(3) to write and edit any text		(4) None of these			