OPENMAT (XXV) Entrance Test for Management Programmes 2009 FEBRUARY, 2009

23915

Total No. of Questions = 200

Time : 180 Minutes

- All questions are **Compulsory**.
- Use of calculator is **not** allowed. Rough work may be done in the space provided at the back of the Test Booklet.

The Test Booklet has the following 4 tests :

Test - I	General Awareness	No. of Questions 30
Test - II	English Language	No. of Questions 50
Test - III	Quantitative Aptitude	No. of Questions 50
Test - IV	Reasoning	No. of Questions 70

Read the instructions given on the OMR Response Sheet carefully before you start.

How to fill up the information on the OMR Response Sheet

(Examination Answer Sheet)

- 1. Write your complete enrolment no. in 9 digits. This should correspond to the enrolment number indicated by you on the OMR Response Sheet. Also write your correct name, address with pin code in the space provided. Put your signatures on the OMR Response Sheet with date. Ensure that the Invigilator in your examination hall also puts his signatures with date on the OMR Response Sheet at the space provided.
- 2. On the OMR Response Sheet student's particulars are to be filled in by pen. However use HB pencil for writing the Enrolment No. and Examination Centre Code as well as for blackening the circle bearing the correct answer number against the serial number of the question.
- 3. Do not make any stray remarks on this sheet.
- 4. Write correct information in numerical digit in Enrolment No. and Examination Centre Code columns. The corresponding circle should be dark enough and should be filled in completely.
- 5. Each question is followed by four probable answers which are numbered 1, 2, 3 and 4. You should select and show only one answer to each question considered by you as the most appropriate or the correct answer. Select the most appropriate answer. Then by using HB pencil, blacken the circle bearing the correct answer number against the serial number of the question. If you find that answer to any question is none of the four alternatives given under the question you should darken the circle '0'.
- 6. If you wish to change your answer, ERASE completely the already darkened circle by using a good quality eraser and then blacken the circle bearing your revised answer number. If incorrect answer is not erased completely, smudges will be left on the erased circle and the question will be read as having two answers and will be ignored for giving any credit.
- 7. No credit will be given if more than one answer is given for one question. Therefore, you should select the most appropriate answer.
- 8. You should not spend too much time on any one question. If you find any particular question difficult, leave it and go to the next. If you have time left after answering all the questions, you may go back to the unanswered ones. There is no negative marking for wrong answers.

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GENERAL INSTRUCTIONS

- 1. No cell phones, calculators, books, slide-rules, note-books or written notes, etc. will be allowed inside the examination hall.
- 2. You should follow the instructions given by the Centre Superintendent and by the Invigilator at the examination venue. If you violate the instructions you will be disqualified.
- 3. Any candidate found copying or receiving or giving assistance in the examination will be disqualified.
- 4. The Test Booklet and the OMR Response Sheet (Answer Sheet) would be supplied to you by the Invigilators. After the examination is over, you should hand over the OMR Response Sheet to the Invigilator before leaving the examination hall. Any candidate who does not return the OMR Response Sheet will be disqualified and the University may take further action against him/her.
- 5. All rough work is to be done on the test booklet itself and not on any other paper. Scrap paper is not permitted. For arriving at answers you may work in the margins, make some markings or underline in the test booklet itself.
- 6. The University reserves the right to cancel scores of any candidate who impersonates or uses/adopts other malpractices or uses any unfair means. The examination is conducted under uniform conditions. The University would also follow a procedure to verify the validity of scores of all examinees uniformly. If there is substantial indication that your performance is not genuine, the University may cancel your score.
- 7. In the event of your qualifying the Entrance Test, the hall ticket should be enclosed with your admission form while submitting it to the University for seeking admission in Management Programme along with your testimonials and programme fee. Admission forms received without hall ticket in original will be summarily rejected.

TEST - I GENERAL AWARENESS

1.	Acc	ording to the Wo	rld Ba	nk estimate	s, woi	rldwic	le demand for v	water is	doubling every :
	(1)	22 years	(2)	15 years		(3)	21 years	(4)	25 years
2.	"The give	e eye sees all, but n by :	the m	nind shows	us wh	at we	want to see".	This fan	nous quotation was
	(1)	Shankarachary	а		(2)	Shal	kespeare		
	(3)	Sir William Har	niltor	l	(4)	Johr	n Keats		
3.	Whi Asia	ch of the followi	ng ma	ountains is o	consic	lered	a natural boun	dary be	tween Europe and
	(1)	Mountain Etna			(2)	Cau	casus Mountain	ns	
	(3)	Corcovado Mor	untair	IS	(4)	Chir	nney Rock		
4.	How many countries took part in 28 th Olympic Games ?								
	(1)	199	(2)	200)	(3)	201	(4)	202
5.	The record for longest stay in space for a woman was set by :								
	(1)	Sunita Williams	-	in space for	(2)		vana Chawla		
	(3)	Helen Sharman			(4)		v Ride		
6.	Whi	ch country is the	secon	d largest pr	oduce	er of c	ement in the w	orld ?	
	(1)	China	(2)	UK		(3)	India	(4)	Italy
7.	"The	e Story of My Life	e″ is tl	ne autobiog	raphy	of :			
	(1)	Kapil Dev	(2)	Helen Kell	~ ~	(3)	Dalai Lama	(4)	Mark Twain
8.	Whi	ch of the followir	ng is n	ot an officia	al lang	guage	of the U.N. ?		
-				Japanese		(3)	Russian	(4)	Spanish
9.	In w	hich city 'Suvarn	abhu	mi Internati	onal A	Airpor	t' is located ?		
	(1)	Singapore	(2)	Bengaluru		(3)	Bangkok	(4)	Penang
10.	Who	among the follo	wing	is known as	the "	Father	r of the Moderr	ı Olvmr	pics" ?
	(1)	Spiridon Louis	-0		(2)		lippides		
	(3)	Pierre de Coube	ertin		(4)		mar Anderson		

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11.	Which phrase means 'likely' ?	
*1.	(1) under the sun (2) on the table	(3) on the cards (4) in camera
	(1) under the surf (2) of the table	(b) on the curus (1) in curiera
12.	In the vote of confidence of UPA governmen	t held on 22 nd July 2008, how many votes were
	polled in favour and against ?	
	(1) 277 and 258 (2) 276 and 259	(3) 275 and 256 (4) 274 and 255
13.	The industrialist who co-piloted an F 16 figh	ter aircraft at the age of 69 is :
	(1) M.K. Birla (2)	Adi Godrej
	(3) Vijaypat Singhania (4)	Ratan Tata
14.		nservation of Nature and Natural Resources)
		ng extinction. This data is published as a book,
	popularly known as : (1) Black Data Book (2)	Green Data Book
	(1) Black Data Book(2)(3) Red Data Book(4)	Yellow Data Book
	(3) Neu Data Dook (4)	Tenow Data Dook
15.	Which Indian fruit began to be exported to t	he U.S.A. in April 2007 after a gap of 18 years ?
10.	(1) Mangoes (2) Sapotas	(3) Apples (4) Oranges
		(0)
16.	Who created the well known painting 'Girls	in Conversation' ?
	(1) M.F. Hussain (2)	
	(3) Amrita Sher-Gil (4)	Chinmoy Das
17.	The Honda motor company gets its name H	onda from :
	(1) a city (2)	an engineer
•	(3) a river (4)	a mountain peak
·		
18.	The great Indian Revolt of 1857 was first d	escribed as 'First War of India's Independence'
	by :	
	(1) Swami Vivekananda (2)	Karl Marx
	(3) Veer Savarkar (4)	B.G. Tilak
10		
19.	The first Indian to win a Nobel Prize was :	D the law with The same
	(1) Sir. C.V. Raman (2) (1) $S_{\rm eff}$ (2) (2) $S_{\rm eff}$ (Rabindranath Tagore
	(3) S. Chandrashekhar (4)	J.C. Bose
20.	LINIDO set in its first global contro for any	th-south Industrial Cooperation in which Asian
4 0.	City ?	ur-south muustrial Cooperation in which Aslan
	(1) Lahore (2) Shanghai	(3) New Delhi (4) Kathmandu
	(-,	

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P.T.O.

21.	The	e founder of the fi	rst so	cialist state	was :				,
	(1)	V.I. Lenin	(2)	J.V. Stalin	n	(3)	Мао	(4)	Karl Marx
22.	The	e foreign country	where	India's Rev	va Ele	ectric C	Car has sold m	ost cars (?
	(1)	UK	(2)	France		(3)	Italy	(4)	Germany
23.	Wh	ich of the followi	ng cou	untries does	not ł	nave a	sea coast ?		
	(1)	Ethiopia	(2)	Somalia		(3)	South Africa	. (4)	Nigeria
24.	The	author of 'Theor	y of R	elativity' w	as:				
	(1)	Isaac Newton		·	(2)	Neil	Bohr		
	(3)	Max Planck			(4)	Albe	ert Einstein		
0 -	171			_					
25.		country which to			oducti	on is :			
	(1)	India	(2)	USA		(3)	Malaysia	(4)	China
26.	The is :	tennis great who	retire	d in 2002 af	fter w	inning	; the US Open	Final ag	ainst Andre Agassi
	(1)	Boris Becker			(2)	Pete	Sampras		
	(3)	Carlos Moya			(4)		an Ivansevic		
07	T A TT		-						
27.		is known as the	Fathe	r of the Gre					
	(1)	Prof. Yashpal			(2)		Swaminathar	1	
	(3)	M.G.K. Menon			(4)	V. K	urien		
28.	The	meaning of an 'C) racle'	is :					
	(1)	An interpreter o			(2)	An i	nfallible guide	to futur	e action
	(3)	A greek goddes			(4)		strologer	to futur	
		1 4 1 4 1							
29.		ch of the followin	ig auth	nors rejected		obel P	rize ?		
	(1)	Hemmingway			(2)		ge Bernard Sh	aw	
	(3)	Albert Camus			(4)	Jean	Paul Satre		
30.	Tush	ar A. Gandhi wh	o wro	te 'Let's Kil	ll Gan	ıdhi' is	s Mahatma Car	ndhi'e ·	
	(1)	son			(2)		grandson		
	(3)	greatson			(4)	neph	•		
<u> </u>						_			

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TEST - II ENGLISH LANGUAGE

Directions for question numbers 31 to 40 :

There are two passages followed by questions based on the contents of the passages. Answer all the questions following each passage on the basis of what is stated or implied in the passage.

PASSAGE - I

In the Film Institute Hostels, I am the only overseas student. There are students from various states of India and it is a fair medley of faces and figures because India is such a multicultural country. However, I face a peculiar problem. I am used to it now but the early mornings are particularly stressful. When I make my way early in the morning to the bathrooms, no student would look me in the face. In fact, they turn their heads away as soon as they see me and quickly retreat to their rooms. The reason ? I am a black person with a dark face and they consider that it would be a bad beginning to their day if they see me first thing in the morning. I know it is a superstition but it hurts. I thought in India a guest is an honoured person !

What answer could I give to Patrick, a young person in his twenties? Could I say that one of the Sanskrit lines we in India are fond of repeating is, *Aatithi devobhava*, 'a guest is akin to god'?

Patrick, who hailed from Accra, the capital of Ghana, was doing a two-years course in film editing at the famed Film Institute of India (FII). His father was a mechanic and Patrick worked with the Ghana Film Industrial Corporation as an assistant film editor. He came to India on an official Government of India scholarship of Rs. 375 per month.

'Living in India came as a shock,' Patrick said. The food supplied by the FII cafeteria was a particular problem. Even Indian students complained about the food offered at the cafeteria and to Patrick it was especially disagreeable, because it was so different from what he was used to eating in Ghana. As if food was not enough of a problem, he became a social outcast. No one came forward to make friends with him. Though he had been in Pune for a year and a half, he had never visited a single Indian home, nor had he been invited to any social occasion. When he visited shopping areas like the Deccan Gymkhana, considered to be the abode of the progressive residents of Pune, he received strange looks and the shopkeepers' assistants mocked him. It was the memory of those hostile looks that was most painful to Patrick. If he went on a bus, people would refuse to share a seat with him. Did Indians dislike black people to that extent ? His colleagues on the course were disciplined and hardworking but their knowledge of Africa was appalling. Most thought that people in Africa lived in Tarzan's jungles. He became homesick and lonely. Even his studies suffered. He found it difficult to follow class lectures because the teachers' accent was unfamiliar. He thought that they spoke too quickly without bothering to allow students to interact.

Was that the purpose of the Indian Government scholarship? Surely the main purpose of such scholarships was to develop friendship and goodwill with African countries. Did the government think that a mere transfer of Rs. 375 to a student's account would achieve that? The intentions must have been good but Patrick's case, and that of others I subsequently interviewed, was a classic example of such ill-conceived initiatives, which cost the country not only in terms of money but also generated ill will rather than goodwill.

I asked him how any system could provide a diverse group of students with the food they liked. He was quick to clarify that the problem was not so much the food itself - foreigners know that they cannot get the same food they eat at home when they travel abroad - but the overall atmosphere. If people were friendly and understanding, issues such as food would quickly be resolved. He narrated an experience he had in Nashik, where he had gone to attend a Christian fellowship camp. The food served there was no different from what was served at the FII. However, the friendly and caring atmosphere made all the difference and the food ceased to be an issue.

Only six months of his stay remained when I met him and he couldn't wait for those days to be over. Patrick spoke a language called *Ga*. I asked him what was the *Ga* word for *Happy New Year*. 'Afi shafa', he said. And how did they thank people? 'Oiwala dong', he responded.

It was Christmas when I last met Patrick and the time had come for me to say goodbye to him. 'Oiwala dong. Afi shafa', I said and took his leave.

PASSAGE - II

When Chesterton wrote his Introductions to the Everyman Edition of Dickens's works, it seemed quite natural to him to credit Dickens with his own highly individual brand of medievalism, and more recently a Marxist writer, Mr. T.A. Jackson, has made spirited efforts to turn Dickens into a bloodthirsty revolutionary. The Marxist claims him as "almost" a Marxist, the Catholic claims him as "almost" a Catholic, and both claim him as a champion of the proletariat (or "the poor", as Chesterton would have put it). On the other hand, Nadezhda Krupskaya in her little book on Lenin, relates that towards the end of his life Lenin went to see a dramatised version of *The cricket on the Hearth*, and found Dickens's "middle-class sentimentality" so intolerable that he walked out in the middle of a scene.

Taking "middle-class" to mean what Krupskaya might be expected to mean by it, this was probably a truer judgement than that of Chesterton and Jackson. But it is worth noticing that the dislike of Dickens implied in this remark is something unusual. Plenty of people have found him unreadable, but very few seem to have felt any hostility towards the general spirit of his work.....

In Oliver Twist, Hard Times, Bleak House, Little Dorrit Dickens attacked English institutions with a ferocity that has never since been approached. Yet he managed to do it without making himself hated, and more than this, the very people he attacked have swallowed him so completely that he has become a national institution himself. In their attitude towards Dickens the English public has always been a little like the elephant which feels a blow with a walking stick as a delightful tickle. Before I was ten years old I had Dickens ladled down my throat by schoolmasters in whom even at that age I could see a strong resemblance to Mr. Creakle, and one knows without needing to be told that lawyers delight in Serjeant Buzfuz and that *Little Dorrit* is a favourite in the Home Office. Dickens seems to have succeeded in attacking everybody and antagonising nobody. Naturally this makes one wonder whether after all there was something unreal in his attack upon society. Where exactly does he stand, socially, morally and politically ? As usual, one can define his position more easily if one starts by deciding what he was *not*.

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PASSAGE - I

			~ ~					
31.	Whi	ich one is the <i>correct</i>	statement ?					
	(1)	The person who na	arrates his exp	erienc	es is f	from East Asia		
	(2)	The problems faced	l by Patrick a	re not	true o	of other cities o	f India.	
	(3)	Indians are not helpful to any foreigner.						
	(4)	Racial discrimination	on prevails in	India	in su	otle ways.		
32.	The	narrator in the passa	ige is a citizer	n of :				
	(1)	Pune (2	,		(3)	Ghana	(4)	Ethiopia
33.	Patr	ick often longed for	:					
	(1)	good Indian food.		(2)	frier	ndly treatment	from In	dians.
	(3)	visiting historical p	places.	(4)		rts and enterta		
34.	The	traditional Indian co	ncept of a gu	est is t	to :			
	(1)	treat the guest with	- •					•
	(2)	provide the guest g				poor.		
	(3)	treat the guest as e		. ,		1 .		
	(4)	send the guest afte	-				•	
35.	The	author of the passag	e speaks for :					
	(1)	students from Afri	-	(2)	stud	lents from Gha	ma.	
	(3)	foreigners in gener		(4)		ign students st		India.
		•	РА	SSAC	7E - T	T		
		· · ·						
36.	The	passage is about :				• .		
	(1)	G.K. Chesterton		(2)	T.A	. Jackson		
	(3)	Charles Dickens		(4)	Kru	pskaya		
37.	Dicl	kens was claimed to	be their own l	oy :				
	(1)	Protestants (2	2) Marxists		(3)	Methodists	(4)	Democrats

38. The author accepts the judgement of who as "truer" ?

(1)Chesterton's (2)Jackson's (3) Lenin's COLD STREET

39. Which work of Dickens was dramatised as per this passage ?

- (1)Oliver Twist (2)Hard Times
- (3)Bleak House (4)The Cricket on the Hearth

40. The author of the passage says that Dickens :

- (1)did not attack the British institutions seriously.
- (2)hated all the British policies.
- (3)was not hated by the institutions which he attacked.
- (4)did not have a moral and political stand.

Directions for question numbers 41 to 45 :

Each of these questions consists of a word in capital letters, followed by four words or phrases. Choose the alternative that is nearly similar in meaning to the word in capital letters in each case.

41. **AVUNCULAR:**

- (1)crooked (2)kind and friendly (3)keeping away (4)equal
- 42. **BIGOT**:
 - (1)an obstinate fanatic (2)an important person (3)a bully (4)a cheat
- 43. ENDORSE :
 - where the states and the second second (1)agree with inspire love or affection
 - (3)repeat expose to risk

44. DISMAY :

(1)affection (2)surprise (3) anxiety (4)dishonesty

45. HIGHFALUTIN :

- (1)absurdly pompous and pretentious (2)a position of strength (3)
 - vague and contemptuous (4)highly moralistic

Directions for question numbers 46 to 50 :

Each of these questions consists of a word in capital letters, followed by four words or phrases. Choose the alternative that is most nearly opposite in meaning to the word in capital letters in each case.

46.	DICHOTOMY :							
	(1) colouring		(2)	divis	sion into two pa	rts	
	(3) undecided		(4)	mon	olithic		
47.	FECUND :							
	(1) grow fast	(2)	barren		(3)	fertile	(4)	healthy
48.	HARASS :							
	(1) attack	(2)	negotiate		(3)	help	(4)	deny
49.	MOIST :							
	(1) watery	(2)	dry		(3)	sleazy	(4)	hot
50.	POSH :							
	(1) urbane	(2)	unfashionable	e	(3)	crude	(4)	comfortable

Directions for question numbers 51 to 60:

Each of these questions consists of a sentence with four parts underlined. Select the part which is not appropriate as per standard written english.

51. For the past five days <u>I am suffering from</u> a headache <u>because of bad weather</u> and

 (1)
 (2)
 the treatment that <u>I have been undergoing</u> has not helped.
 (3)
 (4)

52. In 1996 <u>she wrote</u> to me asking for money which I <u>gave but since then she is not returning</u> it

 (1)
 (2)
 (3)
 inspite of several reminders.
 (4)

- 53. The prices are raising, the production is falling, the monsoon is eluding but the politicians

 (1)
 (2)
 (3)

 are assuring us of our progress.

 (4)
- 54. If the <u>government falls</u> and the <u>elections are held</u> within <u>three months</u> the only

 (1)
 (2)
 (3)
 gainers were the small parties.
 (4)
- 55. He was too poor to buy a luxury car but he is going for one as his friends say that he cannot
 (1)
 (2)
 (3)
 (4)
 buy even a bicycle.
- 56. <u>It was surprise</u> that those <u>who worked hard</u> for the organisation <u>never got rewards or rose in</u>

 (1)
 (2)
 (3)
 their careers but the <u>psychophants always get the best</u> of every situation.
 (4)

57. Whenever there is a riot the anti-social elements get the chance to take advantage and (1)
 (2)
 (3)
 (4)

- 58. Some people <u>are good</u> at planning but <u>do not have</u> the ability to execute their plans and

 (1)
 (2)
 <u>there were others</u> <u>who execute them</u> without understanding.
 (3)
 (4)
- 59. Why <u>India suffers</u> when <u>it has all</u> the resources and talents <u>was the question</u> that

 (1)
 (2)
 (3)
 <u>never gets answered</u>.
 (4)
- 60. The funny part of the story was that the hero refuses to laugh and the heroine refuses to cry

 (1)
 (2)
 (3)
 (4)
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Directions for question numbers 61 to 65 :

In each of these questions a related pair of words in capital letters is followed by four alternative pairs of words. Select the pair that best expresses a relationship <u>similar</u> to that expressed by the pair in capital letters.

LOVE : AFFECTION 61. determined : insistent (2)(1)bold : cunning poor : rich (4)cruel : kind (3)62. EFFORT : REWARD (2)friendship : kinship (1)laziness : success cleverness : delay (4)(3)madness : treatment WAR : PEACE 63. (2)wet : dry (1)thin : weak win : gain (4)(3)some : a few **DIAMOND** : RUBY 64. lion : fish (2)(1)tree : plant lazy : smile (4)(3)circle : stock CURRICULUM : SYLLABUS 65. tree : leaf (2)(1)test : hit monkey : bison (4)(3)mango : banana

Directions for question numbers 66 to 70 :

Each of these questions consists of a sentence followed by four alternatives. Select the alternative that conveys the same meaning as the sentence in the question.

- 66. Nelson Mandela refused to be the President of South Africa, unlike Robert Mugabe in Zimbabwe.
 - (1) Nelson Mandela is too soft to remain in power.
 - (2) Mugabe is a better leader than Mandela.
 - (3) South Africa does not want to have a President for life.
 - (4) Nelson Mandela wanted to set a good democratic tradition.

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- 67. When Titans clash, pygmies perish without being noticed.
 - (1) Big people want small people to die.
 - (2) When important leaders fight among themselves, no one cares what happens to ordinary people.
 - (3) When great personalities fall apart, their followers run away.
 - (4) If you want to be safe, do not support any important person.

68. It was not the loss that hurt him as the persons who caused that loss.

- (1) When he incurred loss, he became sad.
- (2) He wanted his friends to compensate the loss.
- (3) He was hurt that his friends betrayed him more than the actual loss he suffered.
- (4) He never believed his friends and so he suffered a loss.

69. Heard melodies are sweet, and unheard melodies are sweeter.

- (1) Melodies are sweet, if they are not sung.
- (2) If we have imagination, we can create beautiful music in our minds.
- (3) Music is spoiled when it is sung.
- (4) Unsung melodies are not for ordinary people.
- 70. Navin has the books but Praveen has the knowledge.
 - (1) Navin is fond of books.
 - (2) Praveen is poor and so cannot buy the books.
 - (3) Navin and Praveen share the books.
 - (4) Navin has books but does not acquire the knowledge through them.

Directions for question numbers 71 to 75 :

Each of these questions consists of a sentence with one or more blanks followed by four alternatives. Select the word or set of words that best fit the meaning of the sentence as a whole.

 71. The journey was ______ to _____.

 (1) hard, rest
 (2) too tiresome, enjoy

 (3) long, difficult
 (4) humid, unhealthy

72. As soon as the debate _____, the matter was _____

- (1) continued, hot (2) closed, started
- (3) was over, put to vote (4) shelved, flared up
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73.	Whe	n the going gets,	only the t	ough	
	(1)	difficult, give up	(2)	tough, get going	
	(3)	weakened, boosted	(4)	monitored, conceded	
74.	Succ	essive governments	the deal	, but so far there is	any progress.
	(1)	evaded, significant	(2)	failed, much	
	(3)	talked about, hardly	(4)	pursued, little	
75.	She frier	was forthright but	_ therefor	e she the enm	ity of many of her
	(1)	weak, got	(2)	quick, lost	
	(3)	harsh, earned	(4)	deceptive, gained	
Each	n of th	for question numbers 76 to 8 lese questions consists of a ph one which best fits the defin	rase whicl		y four alternatives.
76.	Infla	tion is associated with :			
	(1)	fall of governments.	(2)	growing more food.	
	(3)	price rise.	(4)	slump in the oil market.	
77.	'Pari	anoia' is a kind of :			
	(1)	gum extracted from trees.	(2)	medicine made of mushro	oms.
	(3)	loss of memory.	(4)	a kind of mental disorder.	
78.	Van	dalism means :			
	(1)	soil erosion			
	(2)	wilful damage to property			
	(3)	attack on the enemy who is	strong		
	(4)	bombardment from air	-		
79.	Inni	iendo means :			
	(1)	making a remark with doub	le meaning	5	
	(2)	persuading someone to see t	he point		
	(3)	making a point forcefully			
	(4)	joking at others			
80.	Pro	crastination means :			
	(1)	acting on impulse	(2)	taking a decision carefully	7
	(3)	postponing action	(4)	acting with vengeance	
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TEST - III QUANTITATIVE APTITUDE

81.	Whi (1)	ich digits shoul 4, 0	d come (2)	in place of * a 0, 4				e by both 8 and 5 ?
	(1)	1, 0	(2)	0, 4	(3)	2, 4	(4)	8, 9
82.	100	$\div 16\frac{2}{3} = ?$						•
	(1)	2	(2)	4	(3)	6	(4)	8
83.		8% of Rs. 625						
	(1)	100	. (2)	75	(3)	50	(4)	25
84.	Find	I the value of x	if $\sqrt{2+\sqrt{2}}$	2+√2+=	<i>x</i> :			/
	(1)	4	(2)	2	(3)	3	(4)	0
85.		e fifth of the so					number ?	
	(1)	14.5	(2)	78.69	(3)	145	(4)	210.25
86.	In th in th	ne first 10 overs ne remaining 40	of a cric overs t	cket game the o reach the ta	e run rate v arget of 28	was only 3.2. N 2 runs ?	What sho	uld be the run rate
	(1)	6.25	(2)	6.5	(3)	6.75	(4)	7
87.	1S 36	. what is the d	itterence	e between the	sum and	ne no. obtained the difference	l by inter of the dig	changing the digit its of the no. if the
	(1)	between the d	igits of t (2)	the number is 8	s 1 : 2 ? (3)	16	(4)	32
					. ,			
88.	mult	rson was asked iply it by 3 and old I am". Wh	1 then s	ubstract three	e fimes m	v age three ve	ke my ag ars ago a	e three year hence nd you will know
	(1)	24 years	(2)	20 years	(3)	18 years	(4)	32 years
89.	$\left(\frac{x^{a}}{x^{b}}\right)$	$\int^{1/ab} \cdot \left(\frac{x^b}{x^c}\right)^{1/bc}.$	$\left(\frac{x^{c}}{x^{a}}\right)^{1/ca}$	=?				
	(1)	1	(2)	$\chi^{1/abc}$	(3)	2	(4)	0
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- **90.** If x% of y is 100 and y% of z is 200, then find the relation between x and z.
 - (1) z = 2x (2) $z = \frac{x}{2}$ (3) $z = \frac{x}{4}$ (4) z = 4x

91. The marked price of a watch was Rs. 720. A man bought the same for Rs. 550.80 after getting two successive discounts, the first being 10%. What was the second rate ?

- (1) 12% (2) 14% (3) 15% (4) 18%
- **92.** A sum of Rs. 53 is divided among A, B and C in such a way that A gets Rs. 7 more than what B gets and B gets Rs. 8 more than what C gets. The ratio of their shares is :

(1) 16:9:18 (2) 25:18:10 (3) 18:25:10 (4) 15:8:30

93. The time in a clock is 20 minutes past 4 O' clock. Find the angle between hands of the clock.

(1) 0° (2) 10° (3) 5° (4) 3°

94. The product of two fractions is $\frac{14}{15}$ and their quotient is $\frac{35}{24}$. The greater fraction is :

- (1) $\frac{4}{5}$ (2) $\frac{7}{6}$ (3) $\frac{7}{4}$ (4) $\frac{7}{3}$
- **95.** The total of the ages of Jayant, Prem and Saransh is 93 years. Ten years ago the ratio of their ages was 2 : 3 : 4. What is the present age of Saransh ?
 - (1) 24 years (2) 32 years (3) 34 years (4) 38 years
- **96.** Some persons can do a piece of work in 12 days. Two times the no. of such persons will do half of that work in :
 - (1) 6 days (2) 4 days (3) 3 days (4) 12 days

97. Divide : $-9 a^2 b^3 c^4 by 3 a b^2 c^3$

(1) $-3 a b c^2$ (2) $-3 a^2 b c$ (3) 3 a b c (4) -3 a b c

- **98.** One pipe can fill a tank three times as fast as another pipe. If together the two pipes can fill the tank in 36 minutes, then the slower pipe alone will be able to fill the tank in :
 - (1) 81 min. (2) 108 min. (3) 144 min. (4) 192 min.

- **99.** Two trains starting at the same time from two stations 200 km apart and going in opposite directions cross each other at a distance of 110 km from one of the stations. What is the ratio of their speeds ?
 - (1) 9:20 (2) 11:9 (3) 11:20 (4) 11:21

100. In what proportion must a grocer mix two teas, one priced Rs. 1.25/kg and the other Rs. 1.50/kg so that the mixture may be worth Rs. 1.30/kg ?

- (1) 1:1 (2) 2:1 (3) 3:1 (4) 4:1
- **101.** The speed of a boat in still water is 15 km/hr. and the rate of current is 3 km/hr. The distance travelled downstream in 12 minutes is :
 - (1) 1.2 km (2) 1.8 km (3) 2.4 km (4) 3.6 km
- **102.** A dishonest milkman professes to sell his milk at cost price but he mixes it with water and thereby gains 25%. The percentage of water in the mixture is :
 - (1) 4% (2) $6\frac{1}{4}$ % (3) 20% (4) 25%
- **103.** At what rate percent per annum will the simple interest on a sum of money be 2/5 of the amount in 10 years ?
 - (1) 4% (2) $5\frac{2}{3}$ % (3) 6% (4) $6\frac{2}{3}$ %
- **104.** If $\log x + \log y = \log (x + y)$ then :
 - (1) x = y (2) xy = 1 (3) $y = \frac{x-1}{x}$ (4) $y = \frac{x}{x-1}$

105. If the radius of a circle is increased by 75%, then its circumference will increase by :

(1) 25% (2) 50% (3) 75% (4) 100%

106. Shyam was 12 years old y years ago. Represent his age b years from now :

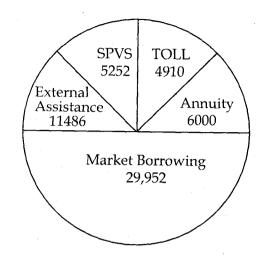
(1) b+y (2) 12y+b (3) 12+y+b (4) 12y-b

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107.	$\sqrt{1.69}$	$\overline{9} - \sqrt{0.01} = ?$							ng sa
	(1)	1.10	(2)	1.20	(3)	1.30	(4)	1.40	
108.	Find	the value of $\frac{\sqrt{3}}{\sqrt{3}}$	$\frac{+\sqrt{2}}{-\sqrt{2}}$	Given $\sqrt{6} = 2.44$	9:		· · ·		
	(1)	9.3	(2)	9.8	(3)	9.9	(4)	9.7	
109.	How	many times do	the ha	nds of a clock co	oincide	in a day ?			
	(1)	20	(2)	21	(3)	22	(4)	24	
	- - -					С			
110.	If x=	$=\sqrt{3018}+\sqrt{36}+\sqrt{36}+\sqrt{36}$	169,	the value of x is	:				
	(1)	43	(2)	55	(3)	44	(4)	69	
111.	How	v many arrangem	ents c	an be made out	of the	letter of the w	ord ENG	INEERIN	IG?
	(1)	277200	(2)	92400	(3)	69300	(4)	23100	
112.		average of 11 nu six numbers is 11					mbers is	105 and 1	that of the
	(1)	125	(2)	110	(3)	120	(4)	115	
113.	20 n	angle of elevation n towards the tow ht of the tower is	ver th	ne top of a tower e angle of elevat	from a ion of	certain point the top of the	is 30°. If tower inc	the obser creases by	ver moves y 15°. The
	(1)	17.3 m	. (2)	21.9 m	(3)	27.3 m	(4)	30 m	
114.	. Finc	t the wrong num	nber ir	n the series, 15, 1	16, 34,	105, 424, 2124	, 12576 :		
	(1)	15	(2)	34	(3)	105	(4)	2124	
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The following pie chart shows the sources of funds to be collected by the NHAI for its phase II project. Study the pie-chart and answer Question No. 115 to 119.



Total funds to be arranged for project (phase II) = Rs. 57600 crores. 115. Near about 20% of the funds are to be arranged through :

		e u
(1)	SPVS	(2) External Assistance

		```	,	
(3)	Annuity	(4	) Ma	arket Borrowing

**116.** The centre angle corresponding to Market Borrowing is : (1)  $52^{\circ}$  (2)  $137.8^{\circ}$  (3)  $187.2^{\circ}$  (4)  $192.4^{\circ}$ 

**117.** The approximate ratio of the funds to be arranged through Toll and that through Market Borrowing is :

(1) 2:9 (2) 1:6 (3) 3:1 (4) 2:5

118. If NHAI could receive a total of Rs. 9695 crores as External Assistance by what percent should it increase the market borrowing to arrange for the shortage of funds :
(1) 4.5%
(2) 7.5%
(3) 6%
(4) 8%

**119.** If the toll to be collected through an outsourced agency by allowing a maximum 10% commission how much amount should be permitted to be collected by the outsourced agency so that the project is supported with Rs. 4910 crores.

(1)	Rs. 6213 crores	(2)	Rs. 5827 crores
(3)	Rs. 5455 crores	(4)	Rs. 5216 crores

120.	$\frac{(}{(0.5)}$	$(0.5)^3 + (0.6)^3$ $y^2 - 0.03 + (0.6)^2$	is equ	al to :				
	(1)	0.11	(2)	0.33	(3)	1.1	(4)	3.3

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121.	At w	hat percent ving a custon	above the ner a disco	cost price unt of 5%	must ?	an ar	ticle be m	arked s	so as	to gain 33	3% after
	(1)	48%	(2)			(3)	40%		(4)	38%	
122.	If a,	b, c, d, e are	five consec	utive odd	intege	rs, wh	at is their	average	e? .		
	(1)	abcde 5			(2)	a+4					
	(3)	5(a + b + c +	d + e)		(4)	$a + \frac{5}{2}$	-				
123.	the 1	otball team w natches playe during the y	ed and 20 i	the total n matches we	o. of n ere dra	natche awn th	s it played ne total nu:	during mber of	; a yea f mato	ar. If it los ches playe	t 50% of d by the
	(1)	<u> </u>	(2)	50		(3)	100		(4)	200	
124.		average of 6 maining nun		10. If the	avera	ge of fo	our of the 1	number	rs is 12	2, then the	average
	(1)	4	(2)	6		(3)	8		(4)	10	
125.		LCM of two iber will be :	numbers	is 63, and	their I	HCF is	9. If one	of the	num	ber is 27 t	he other
	(1)	9	(2)	21		(3)	17		(4)	189	
126.		n interior ang gon :	le of a reg	ular polyge	on is a	ipprox	imately 15	7°. The	e nur	uber of sid	es of the
	(1)	0	(2)	10		(3)	12		(4)	14	
127.		group of 26 ا ee but do not			t no co	ffee ai	nd 16 take	tea. Th	en the	e persons	who take
	(1)	5	(2)	10		(3)	15		(4)	20	
128.		olid cylinder te base. The :				ts radi	us. It is m	elted aı	nd cas	st into a co	one of the
	(1)	3:1	(2)	1:2		(3)	1:3		(4)	3:5	*
129	. A ta fille	ank is full of d with water	milk from . This is d	which 10 lone twice.	litres v The q	vere ta Juantit	aken out o y of milk 1	f 100 lit now left	tres a: t over	nd then th in tank is	ne tank is :
·	(1)	80 litres	(2)	81 litres		(3)	85 litres		(4)	89 litres	
130		at should be			ake it e			by 31 ?	(A)	71	
	(1)	14	(2)	17		(3)	41		(4)	/ 1	
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### TEST - IV REASONING

## Based on the following statement, answer questions (131 - 135) :

There are 125 cubes of similar size arranged in the form of a bigger cube (5 cubes on each side, that is,  $5 \times 5 \times 5$ ). From one corner of the top layer of this cube, four smaller cubes  $(2 \times 2 \times 1)$  are removed. From the column on the opposite side, two cubes  $(1 \times 1 \times 2)$  are removed. From the third corner too, three cubes  $(1 \times 1 \times 3)$  are removed, and from the fourth column four cubes  $(1 \times 1 \times 4)$  are removed. All exposed faces of the block thus formed are coloured red.

131.	How (1)	y many small cubo 112	es are (2)	left in the bloc 110	k ? (3)	109	(4)	114
132.	How (1)	7 many cubes do 1 25	not ha (2)	ave any coloure 35	ed face ? (3)	38	(4)	44
133.	How (1)	y many cubes hav 42	e only (2)	y one red face e 27	each ? (3)	41	(4)	62
134.	How (1)	many cubes hav 18	e two (2)	coloured faces 24	each ? (3)	32	(4)	36
135.	How (1)	many cubes in th 3	ne top (2)	ayer have thr 4	ee red f (3)	aces each ? 6	(4)	8
136.	A cu these (1)	be is painted gree smaller cubes are 4	n on a e pair (2)	all sides. It is th ited on one side 8	hen cut i e only ? (3)	nto 64 cubes of		size. How many of
Stud		following inform There are six peo C is the wife of I F is the grandda D is the grandmo There are two m	nation ople in 3 and ughte other	a <b>and answer t</b> in a family (A, E the mother of I r of E. of A and moth	<b>he ques</b> 3, C, D, 1 F. er of B.	tions (137 - 140)	(4) ) given	24 below :
137.	What (1)	t is C to A ? Mother	(2)	Grandmother	(3)	Daughter	(4)	None of these
138.	How (1) (3)	many male mem 2 4	bers a	re there in the (2) (4)	3	ot be determine	ed	

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139.	Whi	ch of the follow	wing is tr	ue?						
1071	(1)	A is the sister	0	ac .	(2)	A is	the brother	of F		
	(3)	B has two da			(4)		e of these			
140.	Who	among the fo	llowing is	s one of the	coup	oles?				
	⁻ (1)	C and D	(2)	E and B		(3)	D and E	(4)	None of I	hese
141.	The	ouple has a son age of the son brother is seve	is half of	his mother	. The	e wife	is nine year	s younger t	o her husb	-
	(1)	40 years	(2)	45 years		(3)	50 years	(4)	60 years	
142.		ratio of Asha plete 25 years,			•	is 4 : 3	3. If there	are still 12	months fo	r her to
	(1)	14	(2)	15		(3)	16	(4)	18 	
143.		sum of the s ibers is :	squares o	of two con	secut	tive e	ven numbe	rs is 1252.	The sun	n of the
	(1)	48	(2)	50		(3)	52	(4)	54	
144.		oducing Rajesh eha related to		aid, His bro	ther's	fathe	r is the only	son of my	grandfathe	er. How
	(1)	Sister	(2)	Daughter		(3)	Mother	(4)	Niece	
145.		quantity of wa			les ev	very m	iinute. It ge	ts filled in 6	0 minutes.	In how
	(1)	20	(2)	30		(3)	40	(4)	59	
146.		at is the minir ks are in front ks ?								
	(1)	11	(2)	9		(3)	7	(4)	3	
147.		he following n s not divide it							by a numb	er which
	28	28385885	32823	8471583	38					
	(1)	1	(2)	2		(3)	3	(4)	4	
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Stu				on for answerin		uestions (148 -	150) :					
	(a)	Six books are	kept of	ne on top of the	other.							
	(b)	The History I Urdu.	The History book is just above Accounting. The Maths book is between Punjabi a Urdu.									
	(c)	English is bet	ween H	listory and Punj	abi.			. · ·				
148	. Wh	ich book is betw	veen Ma	aths and English	books	?						
	(1)	History	(2)	Accounting	(3)	Urdu	(4)	Punjabi				
149	. Wh	ich book is at th	e botto	m ?								
	(1)	Punjabi	(2)	Accounting	(3)	Urdu	(4)	English				
150	. Wh	ich book is at th	e top ?									
	(1)	Urdu	(2)	Punjabi	(3)	Accounting	(4)	History				
Rea	d the	following infor	mation	and answer the	e questi	ons numbered	(151 - 1	55) :				
				articles P, Q, R,				· ·				
	(i)	P weighs dou										
	(ii)	Q weighs four	r and h	alf times of R.								
	(iii)	R weighs half										
	(iv)	T weighs less	than P	but more than <u>R</u>	; S is h	eavier than R.						
151.	Whi	ich one is lightes			,							
	(1)	Р	(2)	Q	(3)	R	(4)	S				
152.	T is	lighter than wh	ich pair	r of objects ?			·					
	(1)	P, Q	(2)	S, R	(3)	P, R	(4)	S, Q				
153.	T is	heavier than wl	nich oth	ner pair of object	s ?							
	(1)	S, Q	(2)	S, R	(3)	P, R	(4)	P, Q				
154.	Whi	ch one of the fo	llowing	is heaviest ?								
	(1)	Р	(2)	Q	(3)	R	(4)	S				
155.	Wha	t is the descend	ing ord	er of their weigl	nts ?							
	(1)	PQTSR	(2)	QSTPR	(3)	RPSQT	(4)	PQSTR				
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Answer the following questions (156 - 159) based on the information given below.

- (i) A, B, C or W may cause D
- (ii) B, C or W may cause E
- W and X may cause F (iii)
- D or E may cause G or H only if D and E are caused by B or C ; D or E may cause I only (iv) if D and E are caused by C. ~
- (v) Only E and F together may cause M or N.
- (vi) F may cause H only if it is caused by W or X.
- 156. Which can result from the largest number of immediately preceding events ? (1)D (2)Ε F (3)(4)Μ

157. Which can result in the smallest number of subsequent events, counting both those that follow immediately and those that follow after another event ? 11

(1)	A	(2) B	$(3)  C  \land$	(4) W
-----	---	-------	-----------------	-------

158. How many different events or combinations of events may cause H ? (1)5 (2)6 (3)7 (4)

159. Which may be a result of the smallest number of different combinations of events ? (1)G (2)Η (3)Ι (4)Μ

160. A directional post is erected on a crossing. In an accident, it was turned in such a way that the arrow which was first showing east is now showing south. A passerby went in a wrong direction thinking it is west. In which direction is he actually travelling now ? (1)South

(2)North East (3)(4) West

In questions (161 - 165), the relationship is to be deciphered, utilising the given relationship : **161.** Dilatory is to Expeditious as Direct is to :

(3)

(3)

Wastage

Fury

(1) Straight	(2) Tortuous
(3) Curved	(4) Circumlocutory

#### 162. Fatigue is to Exertion as Wear is to : (1)Use (2)Age

163. Museum is to Curator as Prison is to : (1)Warden (2)Monitor (3)Manager (4)

#### 164. Fire is to Ashes as Explosion is to : (1)Sound (2)Debris

165. Amber is related to yellow colour, while Carmine is related to : (1)Red colour (2)Green colour (3)Blue colour (4) Orange colour

8

Clothes

Jailor

Flame

(4)

(4)

In each of the following questions (166 - 170) some relationship is expressed among two groups of letter. Find out an appropriate replacement for the question mark (?) position from the given alternatives.

166.	TAL (1)	K : YFHG : : MIN RNJZ	ID : ? (2)	RMNQ		(3)	QMRH		(4)	QMHR
167.	НН (1)	UV : HJQP : : LLQ LKOP	QQ:? (2)	LKJI		(3)	LMNO		(4)	LNMK
168.	FILN (1)	M : ADGH : : MIL ADGF	K : ? (2)	HDGE		(3)	HDGF		(4)	HEGF
169.	ACE (1)	EG : ZXVT : : HJL TRPN	N : ? (2)	SQOM		(3)	OQSU		(4)	RPNL
170.	FIT : (1)	: HKV : : JOB : ? OSH	(2)	QRN		(3)	LQD		(4)	LCD
Find	the o	odd man out in q	uestic	ons 171 - 17	3:					,
171.	(1) (3)	Diamond Silver			(2) (4)	Gold Cop				•
172.	(1) (3)	Calf Pup			(2) (4)	Cub Cat				
173.	(1) (3)	Walk Run			(2) (4)	Jumj Sleej				
In q	uestic	ons (174 - 176), fin	nd wh	nich one pa	ir is c	liffere	ent from the r	est	three	:
174.	(1)	8, 20	(2)	18, 45		(3)	16, 40		(4)	14, 28
175.	(1)	32, 13	(2)	46, 20		(3)	51, 24		(4)	72, 45
176.	(1)	25, 17	(2)	58, 50		(3)	49, 42		(4)	83, 75
177.	Whie (1)	ch one is like Grat Egg	fting, (2)	Budding an Seed	ıd Lay	vering (3)	? Weeding		(4)	Digging
178.	Whio (1) (3)	ch one is unlike C Cylinder Sphere	lone, I	Prism and C	Cube ? (2) (4)	Cubo	oid angle			

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	(3)	Converge	nt - Diverge	ent	(4)		ity - Executiv	-		
In ti serie	he fol es. Fi	lowing qu nd out tha	estions (181 t wrong fro	l - 185), a m the giv	numbe en alter	r seri nativ	es is given. es.	One term	is wroną	g in that
181.	3, 6, (1)	5, 20, 7, 42 3	2, 9, 74. (2)	42		(3)	74	(4)	20	
182.	29, 3 (1)	34, 32, 37, 3 39	35, 41. (2)	36		(3)	34	(4)	41	
183.	6, 18 (1)	3, 36, 108, 2 36	216, 648, 12 (2)	90, 3888. 108		(3)	1290	(4)	648	
184.	0, 3, (1)	8, 15, 27, 3 15	35, 48. (2)	27		(3)	35	(4)	48	
185.	529, (1)	361, 289, 1 361	171, 121, 49 (2)	289		(3)	171	(4)	121	
186.	He t	hen turned	to his left what distand East	and walke	ed 25 m	etres. startir 35 n	e turned to hi He then tur ng point and netres East netres North	rned to his	right and	) metres. l walked
187.	left.	Again he v	n his house walks 100 m n is Sonu fa	etres and	turns rig	and ght.	after 100 met Again he wal	tres of walk ks 55 metre	ting straig s and tur	ght turns ns right.
	(1)	North	(2)	South	,	(3)	West	(4)	East	
188.	place	olice inspec e, he drove the startin	60 kms tow	0 kms tow ards east a	vards we and ther	est an 140 k	d then 40 km ms towards r	ns towards north. At w	south. F vhat dista	rom this nce is he
	(1)	30 kms	(2)	50 kms		(3)	60 kms	(4)	130 kms	
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In question no. (179 - 180), which one pair of related words is different from the other three :

Office - Employee

Transparent - Opaque

Team - Players

(2)

(4)

(2)

179. (1)

180. (1)

(3)

Society - Member

Government - People

Permission - Prevention

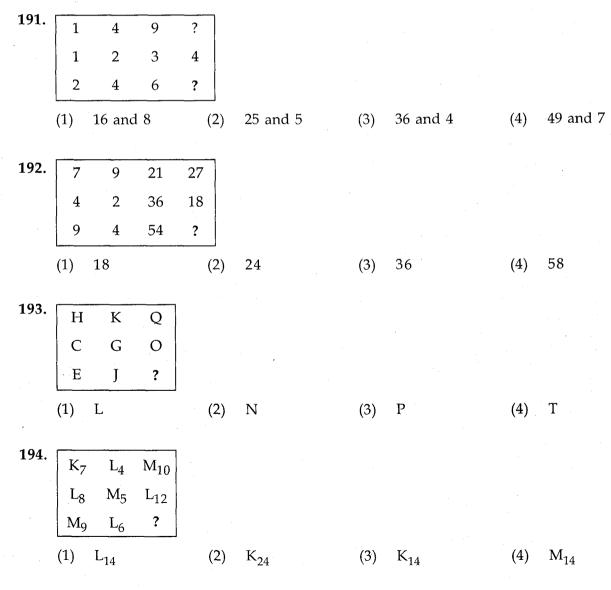
**189.** A man walks 10 kms towards north from there he walks 6 kms towards south. Then he walks 3 kms towards east. How far and in which direction is he with reference to his starting point ?

(1)	7 kms east	(2)	5 kms west
(3)	5 kms north-east	(4)	7 kms west

**190.** Lata moves towards south-east a distance of 7 m, then she moves towards west and travelled a distance of 14 m. From here she moves towards north-west a distance of 7 m and finally she moves a distance of 4 m towards east and stood at that point. How far is the starting point from where she stood ?

(1) 3 m (2) 4 m (3) 10 m (4) 9 m

In question no. (191 - 195) complete the matrix by choosing the correct alternative for the place of question mark (?).



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,												
195.	3 C 2 B	4 A										
	27 A ?	64 B										
	9C 4A	16 B										
	(1) 8 C		(2)	12 C		(3)	16 C		(4)	18 C		
196.	After a get were 105 ha										. If the	re
	(1) 13		(2)	14		(3)	15		(4)	16	ж. ¹¹ 1	
197.	A is taller thet thet the the the the the the the t	nan B and	C is ta	aller than I	D. If D	is tall	er than	B, then w	ho is ⁻	the shorte	est amoi	ng
	(1) A				(2)	В						
	(3) C				(4)	Can	not be f	ound out				
198.	Bablu rank examination How many (1) 44	n. Six boys	did n	ot participa	te in th		npetition					
199.	A, B, C and as C has an twice as ma (1) 23	d I shall h	ave 3	less than v	vhat C	has.	Also if	I take 6 ca	ards fi	rom C, I	shall ha	ve
200.	Which is th series ?	e followin	ig gro	ups of lette	ers wil	l repla	ace the o	question r	nark (	(?) in the	followi	ng
	prt, ?, bdf, ]	hjl, npr										
	(1) vya	, 1	(2)	uwz		(3)	vxz		(4)	uxw		
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P.T.O.

## SPACE FOR ROUGH WORK

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