OPENMAT - XXVII : Entrance Test for Management Programmes 2010

February, 2010

14452

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 end of the Test Booklet.
- The Test Booklet has the following *four* 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 with '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.

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 programmes along with your testimonials and programme fee. Admission forms received without hall ticket in original will be summarily rejected.

TEST - IV REASONING

	Anst	ver the Questions	s (131	to 134) afte	er stu	dying	the following is	nforma	tion:
	(i)	There are six pe	ople i	n a family A	A, B, C	C, D, E	and F.		
	(ii)	C is the wife of	B and	mother of I	F.				
	(iii)	F is the grandda	ughte	er of E.					
	(iv)	D is the grandm	other	of A and m	nother	of B.			
	(v)	There are two m	narrie	d couples in	the f	amily			
131.	Wha	t is C to A?							
	(1)	Mother	(2)	Grandmot	her	(3)	Daughter	(4)	None of these
132.	How	many male men	nbers	are there in	the fa	amily	?		
	(1)	2	(2)	3		(3)	4	(4)	None of these
133.	Whic	ch of the followin	g is t	rue ?					
	(1)	A is the sister of	F		(2)	A is	the brother of F		
	(3)	B has two daug	hters		(4)	Non	e of these		
134.	Who	among the follow	wing	is one of the	coup	oles ?			
	(1)	C and D	(2)	E and B		(3)	D and E	(4)	None of these
	Read	l the following in	ıform	ation to ans	swer	the Q	uestions (135–13	38) :	
	(i)	A, B, C, D, E and group.	d F ar	e six membe	ers in t	the far	nily. There are t	two pai	rs of couples in th
	(ii)	There are two er are of the same	_	ers, one teach	ner, or	ne soci	ologist and two	artists.	Both the engineer
	(iii)	A and C are the	same	e profession.					
	(iv)	The teacher is m	narrie	d to the eng	ineer	and a	n artist is marrie	ed to th	ne lady sociologist
	(v)	A is an Artist. I	E is a	male engine	eer. B	oth of	them are unma	rried.	
	(vi)	F is B's husband							
135.	Who	is married with	the te	eacher ?					
	(1)	F	(2)	С		(3)	A	(4)	В
126	IATh	is social arist by	nucla	onion ?					
130.		is sociologist by				(2)	C	(4)	D
	(1)	В	(2)	F		(3)	C	(4)	D

137.	Whic	ch of the following	g are	the pair of couple	es?			
	(1)	FD and BD	(2)	CD and FB	(3)	CD and FD	(4)	FC and AD
138.	Wha	t is the profession	of B	?				
	(1)	Engineer	(2)	Sociologist	(3)	Teacher	(4)	Artist
139.	Sudh	na's rank from both	ttom i	n a class of 31 st	ıdents	is 11th. What is	her ra	ank from the top?
	(1)	21st	(2)	22nd	(3)	20th	(4)	19th
140.	From		morn	ing till 12 noon,	how r	many times will t	he pe	ndulum of a clock
	(1)	78	(2)	87	(3)	68	(4)	86
		ach of the follou ls, find out the su	-				ip is	expressed in three
141.	India	a : New Delhi : : I	Pakista	an : ?		,		
	(1)	Lahore	(2)	Islamabad	(3)	Peshawar	(4)	Hyderabad
142.	Taria	atan : Muslin : : P	oplin	: ?				
	(1)	Jute	(2)	Wool	(3)	Cotton	(4)	Rayon
143.	Flyir	ng : Bird : : Creepi	ing : ?					
	(1)	Aeroplane	(2)	Snail	(3)	Ground	(4)	Flower
144.	Culp	orit : Crime : : Jud	ge : ?					
	(1)	Court	(2)	Case	(3)	Law	(4)	Verdict
145.	Luke	ewarm : Hot : : Pa	at : ?					
	(1)	Fondle	(2)	Step	(3)	Worship	(4)	Scold
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	In the following Questions (146-150), decipher the relationship using given relationship in the question:											
146.	Flow	er is to Bud as Fr	uit is	to:								
	(1)	Taste	(2)	Seed	(3)	Flower	(4)	Twig				
147.	Dam	is to Mad as Dra	b is to);								
	(1)	Barb	(2)	Brab	(3)	Bard	(4)	Badr				
148.	'Hou	r' is related to Se	cond	in the same way a	as 'Te	rtiary' is related to	0:					
	(1)	Ordinary	(2)	Secondary	(3)	Primary	(4)	Intermediary				
149.	'Dog	s' bark so also 'G	oats':									
	(1)	Bleat	(2)	Crow	(3)	Grunt	(4)	Howl				
150.	'Cub	oid' is related to	squar	e in the same way	as 'S	quare' is related t	:0:					
	(1)	Plane	(2)	Triangle	(3)	Line	(4)	Point				
151.	'Hor	se' is related to N	leigh i	n the same way a	s 'Jacl	kal' is related to :						
	(1)	Bray	(2)	Howl	(3)	Chatter	(4)	Squeak				
152.	'Wat	er' is related to C)cean	in the same way	as 'Sn	ow' related to:						
	(1)	Glacier	(2)	Ice	(3)	Hail	(4)	Mountain				
153.	'Bree	ze' is related to C	Cyclor	ne in the same wa	y as 'l	Drizzle' is related	to:					
	(1)	Decay	(2)	Flood	(3)	Heavy rain	(4)	Spray				

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154.	Wha	t is related to 'De	efamat	ion' in the same	way a	s 'Honour' is rela	ted to	Award?
	(1)	Punishment	(2)	Charge	(3)	Fault	(4)	Crime
							l files	
155.	Wha	t is related to 'Stu	ıdent'	in the same way	as 'V	enus' is related to	Solar	System?
	(1)	Teacher	(2)	Class	(3)	Friend	(4)	Book
156.	Wha	t is related to 'Riv	ver' in	the same way as	'Sum	mer' is related to	Winte	er?
	(1)	Agriculture	(2)	Tree	(3)	Barren	(4)	Coast
		he following Que tionship given in			the m	issing group of l	etter	after studying the
157.	TAL	K : YFHG : : MIN	ID : ?					
	(1)	RNJZ	(2)	RMNQ	(3)	QMRH	(4)	QMHR
158.	ACE	G: DFHJ::?:Z	XVT	*				
	(1)	WUSQ	(2)	SQOM	(3)	USQO	(4)	YWUS
159.	CDE	E : ZXY : : EDC : 3	?					
	(1)	ZXY	(2)	ZYX	(3)	XZY	(4)	YXZ
160.	ACE	G:ZXVT::HJL	N:?					
	(1)	TRPN	(2)	SQOM	(3)	OQSU	(4)	RPNL
161.	LAK	E: PEOI:: MEA	T:?	sbesufic (8)				
	(1)	PILO	(2)	REXO	(3)			
162.	LOS	E : MQVI : : GAI	N:?					
	(1)	HCLR	(2)	GCLR				HLCR

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		ose the pair of wo uestions (163–168		at shows th	ie san	ie rela	tionship as giv	en at th	e top of every pair
163.	Cells	: Cytology							
	(1)	Diseases : Physic	ology		(2)	Wor	ms : Ornitholog	y	
	(3)	Insects : Entomo	logy		(4)	Tissı	ies : Morpholog	Sy.	
164.	Goos	se : Gander							
	(1)	Duck : Drake			(2)	Hen	: Chicken		
	(3)	Horse : Bridle			(4)	Don	key : Bray		
165.	Inhe	rit : Acquire							
	(1)	Loss : Gain			(2)	Lear	n : Discover		
	(3)	Instinct : Habit			(4)	Hier	archial : Succes	sion	
166.	Sum	mer : Raining							
	(1)	Monday : Sunda	ıy		(2)	Sum	mer : Winter		
	(3)	December : Janu	ary		(4)	Lice	nce : Driving		
167.	Scal	o : Hair							
	(1)	Home : Cattle			(2)	Nail	: Nailpolish		
	(3)	Green : Earth			(4)	Fur	Сар		
168.	Mou	ntain : Height							
	(1)	River : Water			(2)	Valle	ey : Depth		
	(3)	Moon : Shadow			(4)		e : Depth		
169.		ny year on 28th Fe ch will be :	ebrua	ry is Tuesda	ıy. If	the le	ap year is exclu	ıded, th	en the day on 28th
	(1)	Sunday	(2)	Monday		(3)	Tuesday	(4)	Saturday
170.	next		after	every 30 sec	conds				e traffic light at the nge together. After
	(1)	120 seconds	(2)	180 second	ds	(3)	90 seconds	(4)	150 seconds

171.	In the Olympic Games, the flags of 6 nations were flown on the masts in the following way. The flag of America was found to the left of India Tricolour and to the right of the flag of France. The flag of Australia was on the right of the Indian flag but was to the left of the flag of Japan which was to the left of the flag of China. Find the two flags which are in the centre?										
	(1)	America and l	India		(2)	Japa	n and Austra	alia			
	(3)	America and	Austral	ia	(4)	India	and Austra	lia			
172.		be is painted or ller cubes are pa				nto 64	1 cubes of equ	ıal size. H	Iow many o	of these	
	(1)	8	(2)	4		(3)	16	(4)	24		
173.	In th	ne context of pre	eceding	question, l	now m	any si	maller cubes	are not pa	inted at all	?	
	(1)	8	(2)	4		(3)	6	(4)	1		
174.		ne context of th	ne same	e cube, ho	w man	y of t	these smaller	r cubes w	ould have	3 sides	
	(1)	6	(2)	4		(3)	8	(4)	12		
175.		at is the minimons are in front of the control of t									
	(1)	11	(2)	9		(3)	7	(4)	3		
176.		quantity of wate y minutes will i			bles ev	ery m	inute. It gets	filled in 6	0 minutes.	In how	
	(1)	20	(2)	30		(3)	40	(4)	59		
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177.	Each match-stick is of length 4 cm. Number "eight" is formed using minimum number of the match-sticks. If the same number of match-sticks are placed along a straight line close to each other, the length of the straight line is:											
	(1)	36 cm	(2)	32 cm		(3)	28 cm		(4)	24 cm		
178.		ani's mother was e as old as Shivar						ago. A	After 5	years, she will be		
	(1)	10 years	(2)	5 years		(3)	15 years		(4)	12 years		
179.	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 wrong direction thinking it is west. In which direction is he actually travelling now?											
	(1)	South	(2)	North		(3)	East		(4)	West		
180.	A is	B's sister, C is B's	moth	er, D is C's	father,	E is I	O's mother.	Then	how i	s 'A' related to D?		
	(1)	Grand-father			(2)	Dau	ghter					
	(3)	Grand mother			(4)	Grar	nd Daught	er				
181.	whil are l	e others have yell	ow co	vers. ADB est are old r	are nev	w vol	ames while	e the res	st are	have green covers old volumes. ACE nes are old medical		
	(1)	ВС	(2)	CD		(3)	CE		(4)	EF		

Study the trend in the following questions (182-190) and insert the missing number:

182.

28	60	48	
5	6	7	
14	39	27	
7	?	16	

- (1) 23
- (2) 24
- (3) 27
- (4) 18

183.

-			
	42	44	38
	23	55	28
	37	?	39

- (1) 77
- (2) 66
- (3) 22
- (4) 33

184. 9, 11, 20, 31, ?, 82

- (1) 71
- (2) 51
- (3) 60
- (4) 41

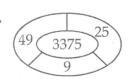
185. 8, 13, 23, 43, 83, ?

- (1) 173
- (2) 183
- (3) 163
- (4) 193

186. 225, 336, 447, ?, 669, 780

- (1) 114
- (2) 338
- (3) 991
- (4) 558

187.



(2) 2856

- (3) 5832
- (4) 6464

(1) 4268

188.



- (1) 6
- (2) 4
- (3) 7
- (4) 8

189.

).	2 B	3 C	5 B
	5 C	8 B	17 A
	13 A	15 A	?

- (1) 10 C
- (2) 13 B
- (3) 16 C
- (4) 20 A

190

90.	AZ	DW	GT
	BY	EV	?
	CX	FU	IR

- (1) KT
- (2) HS
- (3) JI
- (4) AD

Answer the Questions (191-195) based on the information given below:

A case is cut into two equal parts along a place parallel to one of its faces. One piece is then coloured red on the two larger faces and green on the remaining, while the other is coloured green on the two smaller adjacent faces and red on the remaining. Each is then cut into 32 cubes of the same size. The 64 resultant cases are all mixed up.

- 191. How many cases have no coloured face at all?
 - (1) 8
- (2) 0
- (3) 16
- (4) 12
- 192. How many cases have only one coloured face each?
 - (1) 0
- (2) 8
- (3) 16
- (4) 32
- 193. How many cases have two red and one green face each?
 - (1) 0
- (2) 4
- (3) 8
- (4) 16
- 194. How many cases have each one red and another green face?
 - (1) 0
- (2) 8
- (3) 16
- (4) 24
- 195. What is the number of cases with at least one green face each?
 - (1) 32
- (2) 36
- (3) 38
- (4) 40

Ansu	er the Questions	(196-	-199) l	pased	on th	e info	rmatic	on given b	elow :			
(i)	A, B, C or W ma	y cau	se D.									
(ii)	B, C or W may o	ause]	E.									
(iii)	W and X may ca	use F										
(iv)	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 if D and E are caused by C.											
(v)	Only E and F tog	gether	may o	cause	M or	N.						
(vi)	F may cause H only if it is caused by W or X.											
Whic	h can result from	the la	argest	numb	er of	imme	diately	precedin	g ever	nts?		
(1)	D	(2)	E			(3)	F		(4)	M		
	h can result in t w immediately ar								counti	ng both tl	nose that	
(1)	A	(2)	В			(3)	С		(4)	W_{α}		
How	many different e	vents	or cor	nbina	tion o	f eve	nts may	y cause H	?			
(1)	5	(2)	6			(3)	7		(4)	8		
Whic	h may be a result	t of th	e smal	llest n	umbe	er of d	ifferen	t combina	itions (of events	>	
(1)	G	(2)	Н			(3)	Ι		(4)	M		
Then	nn walks 10 kilom he walks 3 kilom s starting point ?											
(1)	5 km towards w	est			(2)	7 km	towai	ds east				
(3)	5 km towards no	orth e	ast		(4)	7 km	towai	ds west				

196.

197.

198.

199.

200.

SPACE FOR ROUGH WORK

SPACE FOR ROUGH WORK

SPACE FOR ROUGH WORK