



The Rules and Regulations

20th Year Annual Celebration of Excellence

Indian Abacus National level Abacus based Mental Arithmetic Competition - 2019

Date of Competition : 13th July 2019, 8.00 AM, Saturday

Prize Distribution ceremony : The same day 5.00 PM

**Venue : Chennai Convention Centre A/c., CTC.,
Nandambakam, Chennai - 600 089**

**LIVE TELECAST
YOUTUBE & FACEBOOK**

13th July 2019 (9.00 AM onwards)



Organised by : Indian Abacus Private Limited

Global Head office: No. A1-1857, 13th Main Road, 6th Avenue, Anna Nagar West, Chennai - 600 040, Tamil Nadu, India.
Tel: 26182577 / 4577 Mob: 7200 227 227 email : admin@indianabacus.com www.indianabacus.com / in

Indian Abacus

National Level Competition-2019



3rd December 2018

To,

All the National, Overseas and State Regional Franchisees / Franchisees & School Centres

Subject : 3rd Indian Abacus National Level Abacus & Mental Arithmetic Competition – 2019

Dear Sirs / Madam,

We are glad to announce the 3rd **Indian Abacus National Level Abacus and Mental Arithmetic Competition – 2019**. The Franchisees have to register their willingness by sending the Applications as per the procedure given below:

Subject : Indian Abacus National Level Abacus and Mental Arithmetic Competition – 2019

Date & Time of Competition : **13 - 07 - 2019 (Saturday) 8. 00 A M to 4.00 P M**

Prize Distribution Ceremony Venue : **13 - 07 - 2019 (Saturday) 5. 00 P M to 6. 00 P M**
Chennai Convention Centre A/c., CTC Complex, Nandambakkam, Chennai - 89.

Participation fee for Competition : **Rs. 500/-** (Five Hundred only) per student.

Rules and Regulation : All columns in the Application form are to be filled in without leaving anything blank. Copies of **Birth Certificates** of the students (duly countersigned by the Franchisees substantiating the date mentioned in the application).

Last date for receipt of Applications : **13. 06. 2019 –Thursday 10.00 pm**

Important Announcement : It will be the responsibility of the Franchisees, School Centre & the Abacus Tutor to ensure that the student participating in the Competition is registered only for the **last completed level and not a lower level.**

Students, who appear for **Z Group** (incomplete Starters First level), should have completed two and half months from the date of admission and they should have **completed all big friends' formulae (+, -).**

All applications should be endorsed by the Franchisee, School Centre and the Abacus Tutor concerned to declare that the student is appearing for the **last completed level** and for the **Z Group all the big friends' formulae only.**

In case of any student found registered for a lower level in the audit after the competition, Trophy & Prize will be recalled and the name of the **genuine student winner** will be announced.

The franchise, private / Govt. school centers are requested to announce parents / students well in advance and obtain the filled in application forms and the fees keeping in mind the last date (13. 06.2019) for receipt of registration forms complete in all aspects. We will be looking forward to the fullest co-operation from you.

Thanking you,

Yours sincerely,

For Indian Abacus Pvt. Ltd.,

N. Basheer Ahamed

Chairman and Managing Director

Inventor-Indian Abacus

Question paper pattern

Each sum in Addition / Subtraction carries 2 marks and each sum in Multiplication / Division carries 1 mark.

Level / Program	Method	Sums	Description	No. of Questions	Marks	Time Limit	Total No. of Questions
Incomplete 1 st Level (Starters)	Abacus	Addition & Subtraction	1 digit 3 rows	50	300	5 min	150
			1 digit 4 rows	50			
			1 digit 5 rows	50			
1 st Level Starters	Abacus	Addition & Subtraction	1 digit 3 rows	25	400	5 min	200
			1 ~2 digit 3 rows (4 digits)	25			
			1 digit 4 rows	25			
			1~2 digit 4 rows (5 digits)	25			
			1 digit 5 rows	50			
			1 digit 6 rows	50			
2 nd Level Movers	Abacus / Mental	Addition & Subtraction	1 digit 3 rows	25	400	5 min	200
			1 ~2 digit 3 rows (4 digits)	25			
			1 digit 4 rows	25			
			1~2 digit 4 rows (5 digits)	25			
			1 digit 5 rows	25			
			1~2 digit 5 rows (5 digits)	25			
			1~2 digit 6~7 rows (7~8 digits)	25			
			1~2 digit 7~8 rows (8~9 digits)	25			
3 rd Level Riders	Abacus / Mental	Addition & Subtraction	1 digit 5 rows	25	400	5 min	200
			1 ~ 2 digit 5 rows (6 digits)	50			
			2 digits 4 rows (8 digits)	75			
			3 digits 3 rows (9 digits)	50			
4 th Level Racers	Mental	Addition & Subtraction	1 digit 7 rows (7 digits)	7	200	8 min	200
			1 digit 8 rows (8 digits)	6			
			1 digit 9 rows (9 digits)	6			
			1 digit 10 rows (10 digits)	6			
			1~2 digits 8 rows (10~12 digits)	25			
			2 digit 3 rows (6 digits)	12			
			2 digit 4 rows (8 digits)	13			
			2 digit 5 rows (10 digits)	15			
			2 digit 6 rows (12 digits)	10			
		Multiplication	2 digits x 1 digit	100	100		
5 th Level Flyers	Mental	Addition & Subtraction	1 digit 8 rows (8 digits)	25	200	8 min	200
			1~2 digits 8 rows (12 digits)	25			
			2 digits 5 rows (10 digits)	25			
			2 digits 6 rows (12 digits)	25			
		Multiplication	2 digits x 1 digit & 1 digit x 2 digits	50	50		
		Division	3 digits / 1 digit	50	50		

Each sum in Addition / Subtraction carries 2 marks and each sum in Multiplication / Division carries 1 mark.

Level / Program	Method	Sums	Description	No. of Questions	Marks	Time Limit	Total No. of Questions
6 th Level Endeavours	Mental	Addition & Subtraction	1 digit 10 rows (10digits)	25	200	8 min	200
			2 digits 6 rows (12 digits)	25			
			2 digits 7~8 rows (14~16 digits)	25			
			2 digits 9~10 rows (18~20 digits)	25			
		Multiplication	3 digits x 1 digit & 1 digit x 3 digits	50	50		
		Division	3 / 1 & 4/ 1	50	50		
7 th Level Achievers	Mental	Addition & Subtraction	1~2 digits (8 rows) (11 digits)	25	200	8 min	200
			2 digits 8 rows (16 digits)	25			
			2 digit 9 rows (18 digits)	25			
			2 digit 10 rows (20 digits)	25			
		Multiplication	4 digit x 1 digit	25	50		
			2 digits x 2 digit	25			
		Division	4 digit / 1 digit	25	50		
			4 digit / 2 digit	25			
			8 th Level Stars	Mental	Addition & Subtraction		
2 digits 9 rows (18 digits)	25						
2 ~3 digits 10 rows (25 digits) with decimals	25						
3 digits 10 rows (30 digits) with decimals	25						
Multiplication	4digits x 1 digits	25			50		
	3 digits x 2 digits	25					
Division	4 digits / 2digits	50			50		

Note:

1. For students appearing for competition will have following pages of Question Papers and Mark details:

- Incomplete Starters: 2 Pages
- Starters, Movers and Riders : 3 Pages
- Racers, Flyers, Endeavors, Achievers and Stars : 4 Pages

Marks:

- Addition & Subtraction = 200 marks.**
- Multiplication & Division = 100 marks.**
- The papers are not timed separately. All papers will be given together and marks for all papers will be taken into account for ranking. The children can attempt any paper first that is (addition/ subtraction or multiplication / division) and then proceed to the next.

2. Time limit for Racers (4th level) to Stars (8th level) is 8 Minutes.

3. Time limit for Z Group (Incomplete - First level), Starters, Movers & Riders Level is 5 Minutes.

4. Students belonging to Incomplete Starters level and Completed Starters (1st level) must bring & use their Indian Abacus Tool.

Rules and Regulations – Franchise and school centre Information:

1. Objectives

The Competition aims at its efforts:

1. to give chance for each student to compete at the National / International level.
2. to promote and advocate the learning of Abacus and Mental Arithmetic.
3. to elevate the standard of performance of learners of Abacus and Mental Arithmetic.
4. to foster a closer relationship between the Franchisees, Abacus tutors and students of various centres.
5. to certify one's capability in Abacus or Mental Arithmetic.
6. to cultivate the habit of attending objective type question paper in their future Academic and Competitive Exams.

2. New Pattern Question Paper:

Indian Abacus is coming up with new Model and layout question paper in the competition for all levels. Every question will have three different answers below every sum and one among three is the correct answer. Students have to pick the correct answer from given three answers and Tick Mark it with Pencil / Red / Blue pen. Students need not write the answers on the question paper. This practice is introduced to encourage students to attempt for more number of sums within a given time (Sample question paper for each level is given in separate pages).

3. Marks for all Levels:

- a) Each sum in Addition / Subtraction (+, -) = **2 marks**
- b) Each sum in Multiplication / Division (x, ÷) = **1 mark**

4. Important information – in question papers:

- a) The number of sums **150** for 'Z' group / Incomplete Starters (First level).
- b) The number of sums **200** for Level 1 (Starters) to Level 8 (Stars).

5. Eligibility:

- c) **Level 1 to Level 8 students can participate** in the competition only for the last completed level.
- d) For the **Z group** students who learnt **Big friends formulae** (+, -).

The level and grouping as per age are given in the table below for information.

Group (Student Exam Code)	Completed Level (as on 13.06.2019)	Age Calculation (Year 2019 Minus year of birth)
Z1	Incomplete Starters (First level)	6 years and below
Z2		7 years – 9 years
Z3		10 years and above
A1	Starters (1st level)	6 years and below
A2		7 years – 9 years
A3		10 years and above
B1	Movers (2nd level)	6 years and below
B2		7 years – 9 years
B3		10 years and above
C1	Riders (3rd level)	6 years and below
C2		7 years – 9 years
C3		10 years and above
D1	Racers (4th level)	7 years and below
D2		8 years – 10 years
D3		11 years and above

Group (Student Exam Code)	Completed Level (as on 13.06.2019)	Age Calculation (Year 2019 Minus year of birth)
E1	Flyers (5th level)	7 years and below
E2		8 years – 10 years
E3		11 years and above
F1	Endeavours (6th level)	7 years and below
F2		8 years – 10 years
F3		11 years and above
G1	Achievers (7th level)	8 years and below
G2		9 years – 11 years
G3		12 years and above
H1	Stars (8th level)	8 years and below
H2		9 years – 11 years
H3		12 years and above

6. General Information:

- a) The competition is open to Indian Abacus students only as per the eligibility criteria and who are undergoing coaching in any Indian Abacus Franchise and School Centre of any state in India.
- b) Students appearing for the first time will be eligible for the level they had completed as on 07.06.2019
- c) **The Students for whom level fee is paid for a particular level and course material drawn for the next level will become the criterion for having finished the level.**
- d) Age calculation: **Year 2019 Minus Year of Birth** would be taken for the calculation of age. Days and months are not reckoned to arrive at the age to fix the groups.
- e) A student can participate for only one level and that too for the **last completed level only. Franchisee, School Centre, Tutor and the parent have to declare in the Application form by individually signing that the student is appearing for the last completed level only. In case of a student registering and appearing in the lower level than the last completed level, the winner position will be recalled and Award & Prize will have to be returned back and the next genuine winner name will be announced.**
- f) No student will be permitted to appear for level/s lower than the present level (as per the above mentioned rule), quoting discontinuation as the reason would not be taken as an excuse.
- g) 3 months per level - yardstick will be strictly followed.

7. Validation and Disqualification:

- a. Level fee paid statements as on 13.06.2019 will be taken for validation to find out the correct level for each and every student.
- b. In case a student is found to be admitted into lower category of competition than actual completed level, The Franchise, school Centre concerned shall be notified and disqualified for the **"Best Performance Centre Award"**.

8. Prizes:

- a. **Trophies will be awarded to Champion, 1st Winner, 2nd Winner, 3rd Winner, 4th Winner, 5th Winner and 6th Winner and Near to Winner in each group along with Merit Certificate by the Guest on the stage itself. "Certificates of participation" will be issued later.**
- b. Further, for becoming eligible to be a winning **Champion**, the contending champion should have got at least **30%** cut off marks to become champion in the levels.
- c. Consolation prizes for each category will be distributed after segregation of Champion to five Runners up prizes, **25%** of the total participating students in each group will get the consolation prize. **These prizes will be handed over to the franchisee and school management on the same day.**
- d. **Lucky Draw:** The lucky draw coupon will be part of hall ticket of the students. All participants who take part in the competition will be eligible for this lucky draw irrespective of whether they get any prize or not in the competition. This will be conducted during or at the end of the prize distribution Ceremony on 13.07.2019.

Competition / participation Fee

- e. All applications together with the competition fees should be sent to Global Head Office. The competition fee prescribed as follows:
- f. **Rs. 500/- per student.** Participation fees along with Application in the format provided for all participating students should be sent along with copy of the Birth Certificate to the Global Head Office on or before 13. 06. 2019 up to 09.00 p.m.

9. General Rules:

- a. **Submission of Applications after the deadlines will not be accepted.**
- b. **All incomplete / incorrect applications even though received on time will be rejected.**
- c. Participants must wear proper attire of **Indian Abacus - T Shirt.**
- d. **Students belonging to Incomplete Starters level and Completed Starters (1st level) must bring & use their INDIAN ABACUS TOOL.**
- e. **For Movers and Riders, usage of Abacus is optional – (With or without Abacus tool). For all other level students, mental calculation is only permitted.**
- f. All students must bring the Hall ticket and pen/ pencil/s to the competition hall.
- g. All students should report at the designated time on the day of the competition.

10. Right of Amendment

Indian Abacus Private Limited, Global Head Office reserves the rights to make any amendments to the rules and regulations, if required without giving prior notice and or postponed / cancel the competition for the reasons beyond the control of the company / organizers.

11. Entry & Exit Procedure for students:

Students of any batch should report 30 minutes before the scheduled time of competition at the entry gate announced or as indicated in the hall ticket (Hall Tickets will be colour coded and each colour will represent a batch). Students will enter into the competition hall after verification of the hall ticket and the counterfoil can be dropped in the Box for lucky draw at the entry gate. Students must be taken out of the hall by the parents or the escorts through the Exit gates only. Parents therefore should listen to the instructions from the announcer at the Stage.

11. Announcement of Result:

Results will be announced on 13.07.2019 (Saturday), Evening or earlier, after the Competition results are uploaded in the website: www.indianabacus.com

13. Important Notification :

Prize distribution will start by 5. 00 P.M on 13.07.2019. It will be the responsibility of the Franchisees, School Authorities and the Tutors to suitably inform the parents about winner names in advance.

14. Note to the Franchisees & the Abacus Tutor:

1. Franchisees and Tutors are requested to register on or before 13. 06. 2019, their names offering to be volunteers for the Competition and the Prize Distribution Ceremony.
2. All the Franchisees & the Tutor **volunteers should be present at the competition venue on 13. 07. 2019 by 7. 00 AM.**
3. Tutors should give intensive training at the respective centres to the students participating in the Competition to improve their performance levels from now onwards.
4. Franchise should ensure that students are wearing Indian Abacus T Shirts.
5. As there is no separate communication to the parents of the students, Franchisees and Abacus Tutors are specifically requested to bring the guidelines of this circular to the knowledge of the parents.
6. Franchisee should ensure that students are wearing Indian Abacus T Shirt.
7. The Franchisees should declare holiday for the centre on the Competition Day duly informing the parents in advance.
8. As there is no separate communication to the parents of the students, Franchisees and Abacus Tutors are specifically requested to bring the guidelines of this circular to the knowledge of the parents

15. Judging

- a. Question and answer sheets of the competition used by the children are the property of Indian Abacus Pvt. Ltd., and shall not be distributed after the exam even on request.
- b. There will be a panel of judges from the Indian Abacus Pvt. Ltd.,
- c. In the event of a tie amongst the participants, The jury will rank the participants based on accuracy rate vis-à-vis the attempted sums and / or the highest score in addition / subtraction will be declared as winner.
- d. The decision of the jury is final and no further correspondences shall be entertained.
- e. In case any parent wishes to apply for rechecking of the answer sheet, they may do so, after one week from the date of competition, but not later than 15 days from the date of the competition, by making a written request & paying a **rechecking fees of Rs. 1000/- per student**. No request will be entertained after the cut off date. Rechecking will be done by a panel of judges and the result of rechecking will be informed to the parent / Franchisee. No further correspondence will be entertained after the rechecking mark is informed.

16. Best Franchise Award Guidelines:

- a. Award for Franchisees: **Top 5 Franchisees (Best Franchisee, Best Franchisee 1, Best Franchisee 2, Best Franchisee 3, Best Franchisee 4)**, will be short-listed for this award. Winning Franchisees will be awarded **Trophies, Gift & Certificate also on the stage**.
- b. Award for schools: **Top 3 schools (Best school 1, Best school 2, and Best school 3)**. Based on the number of students enrolments for abacus coaching and number of students participating in the completion. Winning school centre will be awarded **Trophies Gift & Certificate also on the stage**

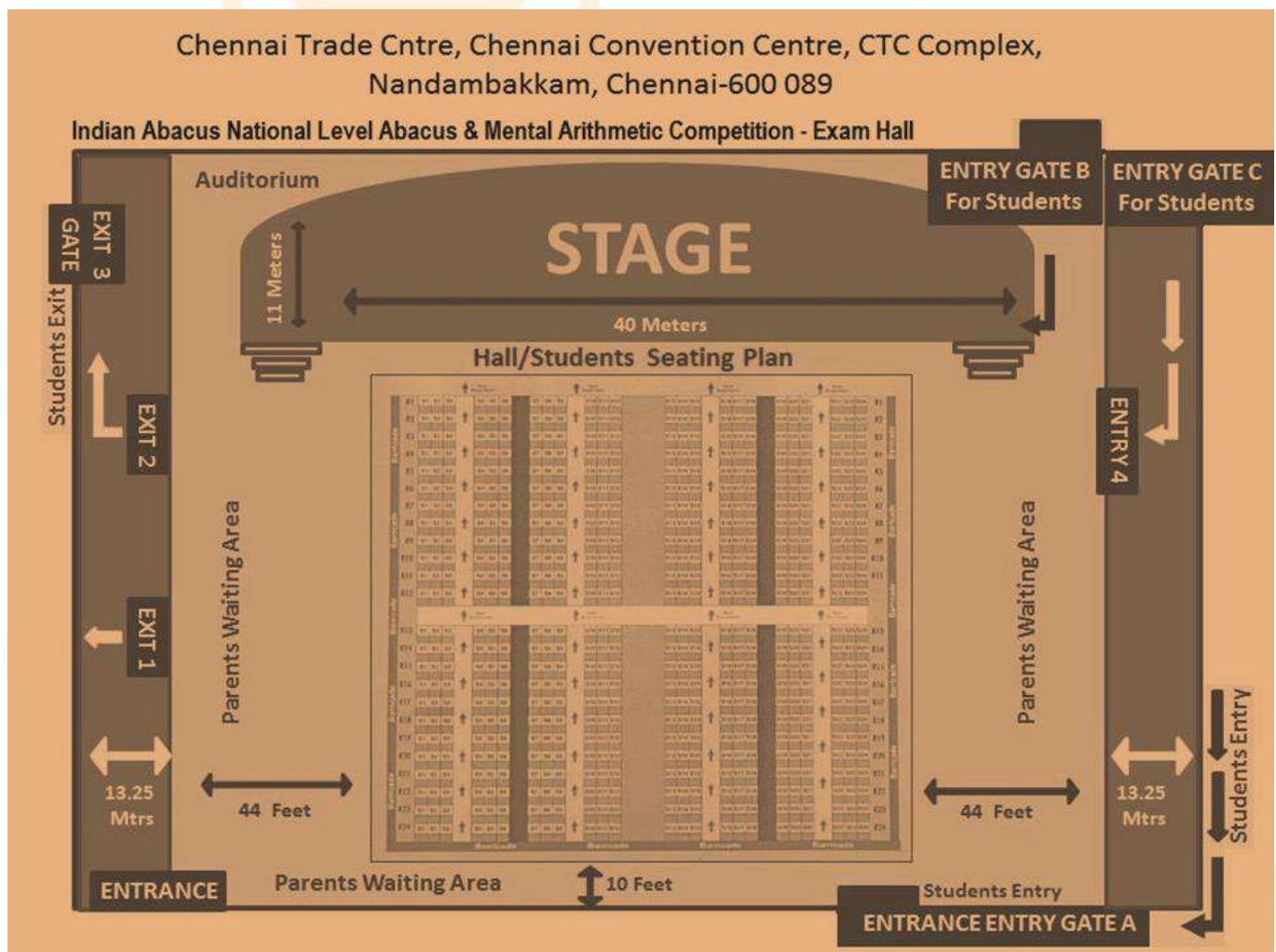
Important instructions to Indian Abacus students & parents:

1. Students need to wear Indian Abacus T-shirt. Please check participant's Hall ticket, Abacus (for group Z, A, B & C) and sharpened pencils before entering the hall.
2. Please check Exam duration (**5 or 8 minutes**). Report for the Competition Exam on time and through the right gate mentioned in Hall Ticket.
3. The color of the Hall ticket indicates the batch number also. "**Counterfoil**" of the hall ticket / lucky draw coupon should be handed over at the Entry gate / dropped in the box kept for the purpose.
4. Mobile phones of students, parents **must be** switched off inside the competition hall. **Late comers are not permitted for the Competition.**
5. Abacus must be used by **Z group – Incomplete (Starters 1st level) & group A - Starters (1st level) students to avoid disqualification & for group B - Movers (2nd level) & group C - Riders (3rd level) Abacus usage is optional**. Answer papers should be handed over to the Invigilator before leaving the hall. Exit only through Exit point.
6. Students should wait at their places without making noise and should not disturbing other students after completing their competitive exam.
7. Indian Abacus Pvt. Ltd., is not responsible for delay due to unforeseen circumstances. Competition Panel's decision is final. Please wait for instructions to enter the hall and do not get panic. All students who reach the exam hall as per the scheduled batches can only write the exam.
8. Prize Distribution Ceremony would start at 5. 00 PM at the same venue, on the same day. Results would be hosted on the website www.indianabacus.com

9. Students should retain the **Hall ticket** till the announcement of the lucky draw is over. Counter foil should be present while receiving the prize.
10. While safety /security arrangements have been made, apart from hiring the convenient location / facilitated hall, Indian Abacus cannot be held responsible for any damage, injury or loss of anything. Parents should take care of their children. Parents are permitted to enter the hall and stay / watch their wards appearing for the exam in the space provided.
11. In case of sudden power failure in the Exam hall, the students have to put down their pencil immediately. The Examiner & team responsible would note the time lost in power-break down and allot time additionally to compensate for the lost time.
12. Food Court is available behind the hall outside.
13. Collect model questions from the question paper generator (software) from the Franchise / Tutor to have sufficient practice for the competition.

THANK YOU FOR YOUR SUPPORT

Competition 2019 / Exam Hall plan:



Prize Table

3rd Indian Abacus National Level Abacus & Mental Arithmetic Competition – 13th July 2019

Level	Group	Champion Prize Distribution on the Stage 13.07.2019 Saturday Evening	1 st Winner	2 nd Winner	3 rd Winner	4 th Winner	5 th Winner	6 th Winner	Near to Winner Prize	Participation Certification
In Complete 1 st Level Starters	Z1	---	1 st Winner Trophy and Gift and Certificate (Prize Distribution on the Stage)	2 nd Winner Trophy and Gift and Certificate (Prize Distribution on the Stage)	3 rd Winner Trophy and Gift and Certificate (Prize Distribution on the Stage)	4 th Winner Trophy and Gift and Certificate (Prize Distribution on the Stage)	5 th Winner Trophy and Gift and Certificate (Prize Distribution on the Stage)	6 th Winner Trophy and Gift and Certificate (Prize Distribution on the Stage)	25% of participating students of each level & group based on their marks will get Consolation Trophy & Certificate which the franchisee can collect only after the prize distribution over.	Participation Cert. to be collected by the Franchisee one week after the competition from the Head office
	Z2	---								
	Z3	---								
1 st Level Starters	A1	Champion Trophy, Gift and Certificate								
	A2	Champion Trophy, Gift and Certificate								
	A3	Champion Trophy, Gift and Certificate								
2 nd Level Movers	B1	Champion Trophy, Gift and Certificate								
	B2	Champion Trophy, Gift and Certificate								
	B3	Champion Trophy, Gift and Certificate								
3 rd Level Riders	C1	Champion Trophy, Gift and Certificate								
	C2	Champion Trophy, Gift and Certificate								
	C2	Champion Trophy, Gift and Certificate								
4 th Level Racers	D1	Champion Trophy, Gift and Certificate								
	D2	Champion Trophy, Gift and Certificate								
	D3	Champion Trophy, Gift and Certificate								
5 th Level Flyers	E1	Champion Trophy, Gift and Certificate								
	E2	Champion Trophy, Gift and Certificate								
	E3	Champion Trophy, Gift and Certificate								
6 th Level Endeavours	F1	Champion Trophy, Gift and Certificate								
	F2	Champion Trophy, Gift and Certificate								
	F3	Champion Trophy, Gift and Certificate								
7 th Level Achievers	G1	Champion Trophy, Gift and Certificate								
	G2	Champion Trophy, Gift and Certificate								
	G3	Champion Trophy, Gift and Certificate								
8 th Level Stars	H1	Champion Trophy, Gift and Certificate								
	H2	Champion Trophy, Gift and Certificate								
	H3	Champion Trophy, Gift and Certificate								

We wish you best of luck

**+/- 2 Marks per question
x 1 Mark per question**

Time Limit : 5 Minutes / 150 Q

INCOMPLETE STARTERS

HALL TICKET NO

HALL TICKET NO

HALL TICKET NO

HALL TICKET NO

No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1	1	1	4	4	1	7	1	3	1	7	9	3	7	8	2	2	5	3	5	9	2	4	5	3	6
2	8	2	9	9	1	5	7	8	5	9	8	3	9	1	2	1	-5	-3	-1	9	2	5	-2	8	5
3	5	9	5	6	8	1	9	6	3	2	8	2	3	6	9	9	7	4	5	8	2	7	-2	2	-1

ANSWER	A	B	C
17	23	14	11
13	15	19	12
4	18	24	14
11	29	19	12
5	14	12	10
26	13	17	16
9	29	22	17
4	1	9	5
9	18	11	32
21	31	25	45
13	8	3	2
13	19	12	32
15	12	15	19
14	7	12	18
5	2	5	6
18	4	6	46
4	29	6	16
2	2	1	19
29	4	1	19
16	16	10	10

No.	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
1	5	4	4	9	1	1	4	5	1	4	3	7	9	3	5	4	4	5	3	1	3	4	5	2	9
2	-2	-1	-4	5	2	3	9	-1	-1	4	2	8	6	2	2	-1	8	-5	-3	4	2	9	-3	7	5
3	-2	9	5	5	4	-2	-3	3	5	1	-1	-4	-5	5	5	9	2	6	2	5	3	-2	7	6	-2

ANSWER	A	B	C
15	4	1	7
11	18	12	21
9	4	5	6
17	17	15	19
2	10	8	7
5	2	1	5
18	16	10	17
13	9	7	2
19	2	9	4
10	7	18	11
14	18	19	16
17	14	10	14
10	19	12	15
9	13	18	12
2	5	6	4
10	9	4	8
17	17	11	14
4	6	4	10
15	15	15	26
16	16	16	12

No.	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
1	5	2	6	2	7	6	3	2	4	4	4	7	8	4	2	4	4	4	5	5	4	4	4	4	4
2	-3	3	5	3	1	9	6	9	-3	-2	1	5	7	2	8	7	7	-1	-5	5	-1	-4	7	-4	3
3	5	1	9	1	1	-1	5	6	-1	9	-4	-2	5	1	5	5	4	-1	1	5	1	1	9	4	9
4	1	9	8	1	9	-3	8	5	3	4	6	7	8	9	3	3	1	9	4	-3	-2	6	9	5	3

[illegible]

GROUP	Z	TOTAL MARKS	300
HALL TICKET NO			

No.	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	7	7	4	2	9	5	3	3	6	5	4	7	3	7	6	4	1	4	3	3	1	4	9	2	9
2	5	2	-3	8	5	-4	3	-3	9	3	-2	5	7	5	2	1	3	-2	8	3	2	9	6	4	6
3	-2	5	4	3	1	3	1	5	4	7	-1	5	2	2	7	-2	-2	3	4	9	9	9	-4	1	-5
4	2	1	2	6	4	6	2	2	5	-4	7	8	6	9	-1	6	3	2	4	5	2	6	3	8	9

ANSWER	A	B	C
	12	15	7
	33	19	14
	10	14	10
	2	29	11
	8	35	25
	31	10	2
	1	8	19
	34	19	34
	19	19	19
	48	14	17
	29	17	29
	6	25	29
	25	17	17
	9	9	9
	34	17	17
	5	25	18
	23	14	9
	1	5	1
	26	16	16
	36	10	15
	10	15	24
	14	14	9
	19	30	13
	7	3	7
	30	20	14
	28	22	12
	12	19	19

No.	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
1	1	3	2	5	4	4	2	3	3	6	4	3	4	1	3	3	2	4	4	5	2	5	3	5	5
2	7	-1	9	4	-1	6	2	9	9	5	1	1	-2	2	6	1	8	-3	-3	3	3	-2	4	-2	-2
3	8	-2	2	6	7	2	6	3	9	4	-5	9	8	2	6	-3	3	1	3	9	5	9	2	8	7
4	2	4	-2	3	2	-2	1	-5	5	4	8	2	5	-5	5	2	1	-1	-2	8	6	9	8	7	5
5	9	2	3	1	6	4	6	9	5	9	9	-5	-2	5	5	9	3	6	4	3	5	6	8	9	3

ANSWER	A	B	C
	33	6	14
	19	25	14
	21	14	21
	34	51	48
	17	12	13
	1	45	1
	23	12	23
	1	7	34
	11	11	11
	21	21	21
	35	17	14
	27	2	18
	18	31	19
	24	31	28
	31	28	14
	10	22	5
	17	7	7
	15	15	15
	25	25	25
	5	5	5
	28	27	17
	25	16	15
	19	19	19
	27	27	27
	18	18	18

No.	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
1	3	9	3	1	5	1	3	4	2	5	3	2	9	4	5	4	4	5	6	4	6	3	1	4	3
2	4	7	9	3	-5	-1	7	-2	8	4	4	-2	5	-1	-3	-3	-1	-4	3	8	5	2	-1	8	9
3	1	1	-2	9	9	5	4	9	7	6	5	3	6	6	-1	2	6	2	5	1	7	4	5	2	2
4	7	5	5	7	5	-2	-2	6	8	-1	1	2	6	5	9	7	5	2	8	3	7	8	-3	-1	4
5	-3	4	4	3	4	-2	4	5	-1	2	7	3	1	3	1	7	9	2	1	5	2	5	6	-2	7

ANSWER	A	B	C
	15	26	30
	31	12	3
	16	15	16
	20	14	20
	2	27	2
	26	11	7
	17	17	15
	32	17	32
	4	18	4
	25	25	25
	21	16	19
	23	18	9
	19	30	20
	8	34	17
	3	23	3
	22	47	22
	8	11	8
	32	32	32
	12	34	15
	13	31	1
	22	44	16
	6	17	21
	9	13	9
	27	27	27
	15	2	12
	12	15	15

No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1	9	9	2	6	7	4	3	4	3	8	1	7	8	4	2	3	9	6	6	9	7	4	4	3	2
2	5	-6	3	-1	1	3	-1	9	1	1	6	8	8	-4	9	5	-2	1	1	3	-6	8	7	1	3
3	3	3	6	1	6	5	8	3	-3	8	1	-2	1	1	1	3	5	2	-1	1	8	8	3	-1	7

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

No.	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
1	3	5	3	6	4	9	3	8	5	9	48	9	6	9	6	63	85	98	42	48	3	9	2	28	4
2	61	-3	7	93	8	4	35	5	-1	4	5	82	91	-9	7	6	-3	3	3	1	73	13	4	-1	3
3	3	22	33	-5	31	46	-8	68	54	71	3	-1	5	82	37	9	4	8	-1	2	-2	5	49	2	56

ANSWER	A	B	C
82	15	63	86
27	24	43	94
67	34	32	44
15	59	38	81
19	19	30	86
23	19	30	86
28	14	56	72
31	47	31	57
32	48	31	57
33	49	31	57
34	50	31	57
35	51	31	57
36	52	31	57
37	53	31	57
38	54	31	57
39	55	31	57
40	56	31	57
41	57	31	57
42	58	31	57
43	59	31	57
44	60	31	57
45	61	31	57
46	62	31	57
47	63	31	57
48	64	31	57
49	65	31	57
50	66	31	57

No.	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
1	9	9	2	5	6	4	9	2	2	6	6	2	5	8	7	9	1	2	7	9	6	8	6	9	1
2	6	-4	3	-5	9	3	6	5	-2	5	2	6	5	4	5	8	4	7	9	5	9	1	7	1	6
3	1	2	6	4	2	4	2	9	7	9	8	-2	9	7	3	4	-3	5	8	7	-5	7	5	6	6
4	8	7	6	6	3	5	-6	3	7	6	9	6	8	-9	5	5	5	3	-2	1	3	8	6	-5	8

ANSWER	A	B	C
44	16	17	10
24	19	18	16
18	14	21	17
15	15	13	15
16	16	14	16
17	17	15	17
18	18	16	18
19	19	17	19
20	20	18	20
21	21	19	21
22	22	20	22
23	23	21	23
24	24	22	24
25	25	23	25
26	26	24	26
27	27	25	27
28	28	26	28
29	29	27	29
30	30	28	30
31	31	29	31
32	32	30	32
33	33	31	33
34	34	32	34
35	35	33	35
36	36	34	36
37	37	35	37
38	38	36	38
39	39	37	39
40	40	38	40
41	41	39	41
42	42	40	42
43	43	41	43
44	44	42	44
45	45	43	45
46	46	44	46
47	47	45	47
48	48	46	48
49	49	47	49
50	50	48	50

+/- 2 Marks per question
x 1 Mark per question

Time Limit : 5 Minutes / 200 Q

STARTERS

HALL TICKET NO

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No.	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	4	5	7	5	1	4	7	33	38	7	2	7	14	4	2	93	2	54	4	53	14	1	3	3	21
2	5	-4	6	3	21	9	22	7	-2	79	34	9	1	4	9	6	1	7	85	9	-1	8	9	-2	5
3	65	3	87	-7	4	11	-4	4	2	5	1	-3	3	-8	93	2	-3	3	-1	9	3	99	27	3	7
4	2	51	3	22	4	9	2	7	1	3	1	42	1	87	7	8	13	3	5	3	1	1	9	62	1

ANSWER	A	B	C
76	43	124	23
77	24	39	3
78	17	81	19
79	18	70	55
80	111	13	37
81	179	22	67
82	13	17	90
83	44	13	109
84	58	96	47
85	34	51	34
86	54	66	54

No.	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
1	4	1	5	8	7	3	9	2	9	2	6	2	7	3	7	4	4	1	7	4	7	4	5	3	7
2	6	3	3	4	3	3	3	8	-4	9	9	9	6	3	9	2	5	9	9	8	8	4	8	7	8
3	8	-1	3	5	2	8	-2	8	6	6	4	2	5	-4	7	2	2	6	4	7	-2	8	3	1	4
4	6	8	8	7	2	7	9	4	9	1	5	6	6	6	7	4	3	6	8	5	8	4	5	6	6
5	4	8	4	-2	2	4	2	4	3	7	5	-7	5	7	8	9	-4	3	-8	1	4	4	7	-5	3

ANSWER	A	B	C
101	48	17	33
102	18	21	46
103	15	19	13
104	10	30	26
105	38	21	10
106	45	38	21
107	15	38	21
108	29	17	17
109	23	15	15
110	38	21	10
111	45	20	15
112	16	28	17
113	14	38	14
114	28	14	28
115	18	18	18
116	25	25	25
117	24	48	12
118	12	18	18
119	28	17	39

No.	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
1	5	6	9	9	3	3	4	4	2	4	9	7	8	2	3	8	6	4	6	4	1	4	3	5	7
2	6	3	5	4	3	3	-2	8	2	2	5	1	5	9	9	4	1	-4	-4	2	6	9	5	-4	3
3	3	4	2	3	9	6	6	9	4	6	1	-6	6	2	2	9	-3	7	5	1	6	1	9	9	2
4	7	-2	7	2	6	1	9	4	6	4	1	4	9	3	6	9	5	3	2	4	2	1	8	8	3
5	6	2	7	-7	2	6	1	4	-3	7	7	8	8	-2	4	3	1	4	6	3	-1	1	8	9	3

ANSWER	A	B	C
126	33	13	40
127	15	23	15
128	29	23	29
129	15	23	15
130	23	15	23
131	11	23	15
132	15	23	15
133	23	15	23
134	36	16	16
135	24	33	15
136	33	33	15
137	19	17	19
138	25	33	17
139	23	17	23
140	14	18	14
141	18	14	18
142	12	24	15
143	24	15	18
144	14	18	14
145	16	16	16
146	25	21	21
147	13	27	18

GROUP	A1 A2 A3	TOTAL MARKS	400
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HALL TICKET NO					
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No.	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175
1	8	2	3	3	9	4	9	5	3	7	4	7	6	3	9	1	1	2	8	7	3	9	8	9	3
2	9	6	8	-1	8	8	-5	4	-2	1	8	-2	5	-1	5	4	5	1	-6	9	3	2	2	-2	6
3	1	-5	9	3	5	9	6	2	4	3	5	2	4	5	3	1	8	7	8	1	6	8	2	9	
4	7	6	4	-2	3	2	4	5	-2	8	9	-5	1	6	5	9	-1	1	4	1	-1	5	6	-1	1
5	3	8	3	3	7	8	4	5	8	1	2	4	4	-3	7	6	5	4	-1	8	6	2	1	6	6
6	5	-6	3	8	7	3	-8	9	5	3	5	8	2	3	9	2	-4	7	4	3	-3	2	6	5	6

ANSWER																									A
42	11	24	14	19	54	10	30	15	17	33	25	22	19	58	16	17	14	16	49	14	28	35	25	11	
33	18	10	18	29	34	15	10	22	13	53	18	32	21	25	33	13	22	17	29	16	48	33	34	31	
13	15	30	13	39	46	18	42	16	23	22	14	16	13	38	23	14	32	11	18	18	19	25	45	21	

No.	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
1	5	3	9	7	8	7	7	8	6	7	2	9	3	5	4	5	8	3	4	9	7	3	2	8	7
2	4	4	9	-5	2	6	4	1	-2	8	5	3	7	-4	2	7	-7	6	-3	5	8	8	3	-6	4
3	2	-1	7	7	6	8	5	2	5	5	4	3	8	9	3	1	2	9	5	7	1	8	1	9	
4	2	8	2	-9	8	9	-2	7	-3	9	3	-3	3	6	2	6	-3	6	2	4	-1	7	6	-3	1
5	3	3	1	7	1	6	3	4	7	6	4	6	7	-1	5	9	7	6	-4	6	4	1	1	2	8
6	4	-3	3	1	1	7	-3	7	6	7	7	-6	6	6	7	7	5	4	2	9	-3	3	7	9	7

ANSWER		A		B		C																		
13	15	11	8	26	63	14	22	29	12	33	12	14	11	23	35	14	34	5	10	11	37	20	14	56
20	14	39	9	16	59	22	49	25	42	25	21	42	14	13	26	12	14	6	40	17	50	15	18	36
36	18	31	7	35	43	19	29	19	58	15	19	34	21	30	15	16	26	3	53	16	30	31	11	28

+/- 2 Marks per question
x 1 Mark per question

Time Limit : 5 Minutes / 200 Q

MOVERS

HALL TICKET NO

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No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1	8	8	2	4	9	1	8	2	7	7	4	9	1	8	6	1	8	9	9	5	3	1	3	6	6
2	5	7	7	9	2	7	6	3	6	3	6	-3	8	3	2	7	-1	4	-5	2	-3	1	3	-6	3
3	8	-1	9	-7	4	6	-8	6	-7	9	3	9	9	-6	5	4	5	6	8	4	2	1	2	9	3

ANSWER	A	B	C
1	14	14	18
2	31	19	15
3	21	25	23

No.	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
1	7	1	6	8	77	34	6	5	9	8	76	24	96	6	29	48	2	2	9	22	6	9	8	7	39
2	81	71	1	49	3	5	-1	5	-7	9	5	4	2	58	1	6	11	6	92	5	31	28	12	35	7
3	4	-2	36	-5	7	9	15	33	12	53	6	-3	6	-2	8	3	-8	53	-5	6	-2	4	2	-5	8

ANSWER	A	B	C
1	42	90	43
2	92	56	58
3	89	70	13

No.	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
1	3	6	5	6	8	8	5	2	9	1	5	9	1	1	8	7	7	1	8	3	8	5	6	7	9
2	7	5	5	3	5	8	9	6	2	2	2	-2	7	9	5	6	7	6	-5	7	1	7	6	4	3
3	1	-1	4	-4	9	4	-9	3	6	8	6	9	5	9	9	5	-6	9	7	1	8	4	8	5	2
4	2	6	5	2	8	2	9	7	-8	2	3	9	1	-4	7	6	3	3	3	2	-8	9	1	-5	2

ANSWER	A	B	C
1	13	27	29
2	16	16	12
3	19	10	19

No.	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	3	12	6	35	3	7	62	28	5	82	7	3	36	6	4	7	3	1	48	6	5	4	8	7	2
2	7	-8	9	-5	38	77	9	7	-5	3	2	5	1	-3	53	5	8	9	-8	2	78	5	72	2	7
3	7	1	7	6	8	3	3	3	25	5	2	83	8	41	2	1	-3	6	5	76	9	4	1	89	86
4	34	9	17	7	3	3	-1	8	1	8	99	-7	6	7	1	92	13	11	6	4	-1	37	2	-6	3

ANSWER	A	31	17	24	13	69	30	73	16	16	68	150	86	51	81	38	175	31	17	51	88	69	80	33	89	88
	B	81	16	39	43	52	90	84	29	35	98	110	84	11	51	60	105	29	27	70	55	91	50	61	42	98
	C	51	14	69	27	82	58	83	46	26	88	185	44	66	68	80	169	21	19	21	98	81	61	83	92	59

No.	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175
1																8	4	4	9	7	9	1	68	8	6
2	54	8	8	2	9	9	7	5	5	2	2	8	6	4	7	6	75	6	3	3	59	8	3	-7	2
3	2	19	1	22	52	5	6	9	64	8	4	-7	2	34	3	1	-7	49	4	5	9	-6	4	37	28
4	5	-3	4	-8	7	5	-4	27	3	3	45	2	5	2	1	6	6	6	-8	88	7	8	8	3	3
5	2	7	5	8	9	8	59	1	-2	8	4	2	25	-5	77	1	6	8	59	8	7	-8	6	1	5
6	4	6	15	7	9	6	2	9	8	1	3	54	9	3	5	96	4	7	-3	9	6	5	8	6	7
7	8	-8	2	-9	6	52	-8	5	-6	84	9	-7	8	-7	8	6	-7	8	7	2	3	46	6	-6	1

ANSWER	A	B	C
	75	59	55
	82	87	82
	22	82	22
	87	172	87
	82	87	82
	38	82	38
	45	86	45
	62	87	62
	86	106	86
	72	106	72
	56	126	56
	92	67	92
	85	52	85
	12	85	12
	56	82	56
	82	42	82
	31	139	31
	194	194	194
	81	81	81
	21	152	21
	120	120	120
	24	143	24
	54	54	54
	65	65	65
	82	82	82
	123	123	123
	40	100	40
	71	122	71
	154	173	154
	53	55	53
	124	124	124
	89	89	89
	54	103	54
	42	42	42
	52	52	52

No.	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
1																3	3	7	9	8	32	7	5	6	3
2	56	98	5	3	8	7	5	7	7	8	93	4	8	2	6	2	-2	1	68	7	7	8	5	4	1
3	6	-9	9	-2	5	1	52	4	-5	9	5	-7	7	5	9	2	9	6	7	9	3	-4	5	-7	9
4	1	3	8	9	7	7	2	8	61	19	1	78	3	5	4	95	76	1	7	9	8	8	8	4	4
5	1	-6	43	37	3	4	-6	8	1	8	5	2	7	-4	4	1	-6	9	-5	4	9	7	68	12	5
6	8	8	8	1	94	85	9	82	4	5	3	6	4	4	56	4	1	7	9	9	4	11	7	9	1
7	1	8	5	-9	8	6	3	4	-7	2	1	9	7	-3	3	7	7	7	4	5	7	9	9	7	15
8	3	8	1	7	1	3	-6	1	7	3	2	-7	89	83	6	7	8	56	-5	8	32	-2	6	-5	2

ANSWER	A	B	C
	86	182	87
	126	113	59
	29	134	47
	35	121	63
	90	81	191
	86	86	86
	83	83	83
	42	149	40
	55	55	55
	10	10	10
	51	51	51
	134	134	134
	72	72	72
	87	87	87
	65	65	65
	93	93	93
	23	77	50
	114	114	114
	31	31	31
	40	40	40

GROUP	C1 C2 C3	TOTAL MARKS	400
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+/- 2 Marks per question
x 1 Mark per question

RIDERS
Time Limit : 5 Minutes / 200 Q

HALL TICKET NO					
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No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1	6	5	7	4	6	3	4	2	5	4	9	7	4	5	6	2	5	1	6	9	8	7	4	1	1
2	8	1	5	2	6	6	4	9	-2	1	8	6	9	4	5	2	1	4	2	4	8	4	2	7	1
3	6	3	2	-2	7	3	-3	4	5	8	5	-2	5	5	3	1	-2	9	7	7	2	6	4	-8	8
4	2	-7	5	9	7	8	2	9	3	9	3	6	8	-6	7	3	9	3	6	2	9	-7	8	3	5
5	1	7	7	7	2	1	7	7	5	6	1	1	7	6	3	9	2	4	-7	2	9	5	2	1	5

ANSWER		A	33	6	46	30	28	21	14	31	16	18	26	25	21	14	19	14	10	21	14	17	16	26	13	4	31
		B	23	7	17	20	37	26	17	41	17	28	46	30	33	19	34	12	14	16	18	14	36	10	20	9	20
		C	29	9	26	26	48	11	15	11	22	20	16	18	53	16	24	17	15	31	23	24	48	15	36	6	27

No.	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
1	7	83	9	6	6	9	9	9	9	7	2	9	2	2	5	3	4	48	6	2	7	6	6	24	8
2	5	7	53	32	3	6	-9	7	56	5	3	-4	7	-1	73	3	-2	9	42	1	3	-1	2	6	6
3	2	-2	2	-6	7	3	6	4	-4	39	5	5	2	28	8	2	8	4	-2	5	8	1	8	-2	1
4	3	6	6	3	85	57	53	35	1	6	54	-7	9	8	3	3	95	7	3	1	62	98	16	1	6
5	79	-9	7	-2	8	2	-5	3	-6	3	6	11	33	-3	2	34	-1	9	-9	64	2	-5	4	-2	23

ANSWER																									A	96	85	77	43	183	84	84	18	86	10	70	14	53	14	21	15	104	27	70	85	89	49	45	37	74
																									B	89	35	88	33	109	77	54	58	56	37	89	22	23	25	90	58	144	59	40	13	12	99	36	17	59
																									C	36	51	27	53	199	87	73	39	38	60	20	18	40	34	91	45	167	77	26	73	82	77	66	27	44

GROUP	C1 C2 C3	TOTAL MARKS	400
HALL TICKET NO			

+/- 2 Marks per question
x 1 Mark per question

Time Limit : 5 Minutes / 200 Q

RIDERS

No.	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
1	6	7	2	59	47	1	6	4	91	67	8	8	9	89	8	7	5	6	8	9	9	9	5	45	8
2	26	47	8	5	6	5	-4	9	9	6	6	-8	26	4	9	1	-2	52	-3	8	9	-4	21	-9	4
3	5	-6	8	-2	4	18	5	9	-5	9	25	6	3	-4	3	8	2	9	98	9	3	6	4	6	9
4	2	6	48	3	7	2	66	9	7	7	8	-4	4	6	65	8	32	4	1	89	4	-8	2	-7	7
5	9	-5	8	-2	5	2	-4	67	-6	1	6	62	1	-1	3	85	-8	7	-5	5	34	64	5	2	32

ANSWER	A	B	C
1	63	29	74
2	48	49	24
3	18	61	50
4	63	29	74
5	48	49	24
6	18	61	50
7	63	29	74
8	48	49	24
9	18	61	50
10	63	29	74
11	48	49	24
12	18	61	50
13	63	29	74
14	48	49	24
15	18	61	50
16	63	29	74
17	48	49	24
18	18	61	50
19	63	29	74
20	48	49	24
21	18	61	50
22	63	29	74
23	48	49	24
24	18	61	50
25	63	29	74
26	48	49	24
27	18	61	50
28	63	29	74
29	48	49	24
30	18	61	50
31	63	29	74
32	48	49	24
33	18	61	50
34	63	29	74
35	48	49	24
36	18	61	50
37	63	29	74
38	48	49	24
39	18	61	50
40	63	29	74
41	48	49	24
42	18	61	50
43	63	29	74
44	48	49	24
45	18	61	50
46	63	29	74
47	48	49	24
48	18	61	50
49	63	29	74
50	48	49	24
51	18	61	50
52	63	29	74
53	48	49	24
54	18	61	50
55	63	29	74
56	48	49	24
57	18	61	50
58	63	29	74
59	48	49	24
60	18	61	50
61	63	29	74
62	48	49	24
63	18	61	50
64	63	29	74
65	48	49	24
66	18	61	50
67	63	29	74
68	48	49	24
69	18	61	50
70	63	29	74
71	48	49	24
72	18	61	50
73	63	29	74
74	48	49	24
75	18	61	50

No.	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	61	50	12	29	57	23	79	53	24	37	85	80	98	39	42	71	18	25	42	90	69	39	71	74	24
2	69	95	20	31	80	34	75	77	96	21	94	-72	58	-25	84	26	87	46	81	32	29	-29	14	70	66
3	80	71	76	78	97	90	31	79	57	77	31	71	18	71	70	23	-10	23	79	41	44	35	86	-63	26
4	52	-29	43	-88	75	54	-35	74	-17	55	75	93	98	47	66	30	93	96	-74	97	11	81	50	94	87

ANSWER	A	B	C
1	191	137	183
2	262	337	151
3	442	187	221
4	191	137	183
5	262	337	151
6	442	187	221
7	191	137	183
8	262	337	151
9	442	187	221
10	191	137	183
11	262	337	151
12	442	187	221
13	191	137	183
14	262	337	151
15	442	187	221
16	191	137	183
17	262	337	151
18	442	187	221
19	191	137	183
20	262	337	151
21	442	187	221
22	191	137	183
23	262	337	151
24	442	187	221
25	191	137	183
26	262	337	151
27	442	187	221
28	191	137	183
29	262	337	151
30	442	187	221
31	191	137	183
32	262	337	151
33	442	187	221
34	191	137	183
35	262	337	151
36	442	187	221
37	191	137	183
38	262	337	151
39	442	187	221
40	191	137	183
41	262	337	151
42	442	187	221
43	191	137	183
44	262	337	151
45	442	187	221
46	191	137	183
47	262	337	151
48	442	187	221
49	191	137	183
50	262	337	151
51	442	187	221
52	191	137	183
53	262	337	151
54	442	187	221
55	191	137	183
56	262	337	151
57	442	187	221
58	191	137	183
59	262	337	151
60	442	187	221
61	191	137	183
62	262	337	151
63	442	187	221
64	191	137	183
65	262	337	151
66	442	187	221
67	191	137	183
68	262	337	151
69	442	187	221
70	191	137	183
71	262	337	151
72	442	187	221
73	191	137	183
74	262	337	151
75	442	187	221

No.	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125
1	19	99	50	62	18	11	44	36	46	25	51	48	88	79	89	71	35	31	99	98	94	77	15	88	74
2	33	88	59	92	29	14	85	63	52	27	93	-25	21	-40	12	48	95	21	26	55	52	83	39	-35	82
3	36	-44	61	-51	95	56	-74	62	99	70	58	22	29	71	88	70	-86	26	-84	14	31	90	83	61	25
4	24	92	73	27	21	43	54	88	-33	31	67	57	15	93	72	93	24	38	89	54	61	-79	25	61	46

ANSWER	A	B	C
1	112	415	243
2	149	235	299
3	132	298	193
4	112	415	243
5	149	235	299
6	132	298	193
7	112	415	243
8	149	235	299
9	132	298	193
10	112	415	243
11	149	235	299
12	132	298	193
13	112	415	243
14	149	235	299
15	132	298	193
16	112	415	243
17	149	235	299
18	132	298	193
19	112	415	243
20	149	235	299
21	132	298	193
22	112	415	243
23	149	235	299
24	132	298	193
25	112	415	243
26	149	235	299
27	132	298	193
28	112	415	243
29	149	235	299
30	132	298	193
31	112	415	243
32	149	235	299
33	132	298	193
34	112	415	243
35	149	235	299
36	132	298	193
37	112	415	243
38	149	235	299
39	132	298	193
40	112	415	243
41	149	235	299
42	132	298	193
43	112	415	243
44	149	235	299
45	132	298	193
46	112	415	243
47	149	235	299
48	132	298	193
49	112	415	243
50	149	235	299
51	132	298	193
52	112	415	243
53	149	235	299
54	132	298	193
55	112	415	243
56	149	235	299
57	132	298	193
58	112	415	243
59	149	235	299
60	132	298	193
61	112	415	243
62	149	235	299
63	132	298	193
64	112	415	243
65	149	235	299
66	132	298	193
67	112	415	243
68	149	235	299
69	132	298	193
70	112	415	243
71	149	235	299
72	132	298	193
73	112	415	243
74	149	235	299
75	132	298	193

GROUP	C1 C2 C3	TOTAL MARKS	400
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+/- 2 Marks per question
x 1 Mark per question

Time Limit : 5 Minutes / 200 Q

RIDERS

HALL TICKET NO					
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No.	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
1	55	66	84	98	38	86	61	43	54	43	53	67	54	64	79	55	25	46	15	55	84	68	55	28	37
2	77	14	60	-17	25	84	65	68	39	97	80	37	73	-27	80	10	52	74	70	20	60	47	96	28	90
3	88	66	85	94	54	49	20	58	-38	45	49	21	57	46	25	27	-60	62	-16	96	66	57	85	-55	80
4	41	-13	96	65	41	67	-68	50	89	25	82	-45	69	78	43	56	49	53	46	42	81	-48	66	28	40

ANSWER	A	B	C
	355	133	325
	121	233	555
	261	160	445

No.	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175
1	823	329	487	310	905	368	131	349	156	316	936	960	542	643	658	614	432	643	708	198	415	810	580	604	475
2	639	380	361	679	410	534	873	213	863	693	444	341	919	590	426	567	536	877	489	201	324	365	217	241	329
3	595	519	330	248	327	143	471	887	754	551	294	926	544	933	211	883	232	114	274	519	755	778	360	231	178

ANSWER	A	B	C
	3627	1228	1938
	2571	1858	1801
	2057	1682	1178

No.	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200
1	819	900	295	913	409	618	608	626	647	411	734	256	851	927	538	269	397	379	158	220	528	573	703	415	879
2	482	176	804	133	269	971	770	716	207	387	834	594	204	529	216	122	837	842	264	329	141	546	277	129	103
3	893	427	524	122	465	900	615	103	496	865	903	570	477	765	971	580	759	221	503	675	161	251	915	125	826

ANSWER	A	B	C
	1054	1022	1996
	2194	1503	2723
	1580	1463	1623

+/- 2 Marks per question
x 1 Mark per question

Time Limit : 8 Minutes / 200 Q

HALL TICKET NO

No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
1																					4	6	9	9	7	
2															9	9	9	8	9	5	7	4	6	-2	1	
3								2	7	6	7	1	8	7	7	9	9	-6	1	-3	9	8	-5	1	1	
4	5	6	8	4	6	6	7	4	-4	4	-2	6	5	7	6	7	7	3	2	2	3	4	8	9	2	6
5	5	1	4	-1	1	2	1	6	3	5	9	8	8	-4	4	7	7	-5	2	6	8	1	-4	8	-4	6
6	8	-2	3	3	4	4	-7	8	1	5	9	2	4	5	9	5	3	8	-7	7	7	8	6	8	4	
7	2	1	2	8	9	8	8	5	5	5	-4	3	5	-7	4	2	2	7	4	7	4	-1	8	-3	9	
8	9	-6	6	6	9	7	8	6	-4	7	4	6	4	6	8	2	-1	2	-1	6	8	8	5	8	8	
9	1	3	9	5	3	6	7	9	7	2	-8	4	7	-3	9	1	9	1	8	6	7	8	8	3	6	
10	1	9	8	-4	9	8	-8	6	-4	8	6	1	6	6	8	6	-4	8	-7	3	1	-2	1	-6	3	

ANSWER	
A	11 21 60 29 11 53 18 16 15 42 16 31 32 17 64 18 25 31 11 69 71 30 81 20 51
B	40 12 28 31 26 41 16 46 11 58 21 51 27 15 24 32 14 40 12 84 81 22 39 17 66
C	31 19 40 21 41 21 12 32 17 22 31 39 47 21 83 48 11 60 18 54 51 50 61 12 81

No.	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
1													79	96	67	63	13	17	58	27	52	16	33	84	24
2	97	97	90	75	67	54	94	13	79	74	12	64	46	13	57	51	56	10	56	68	28	27	28	-41	70
3	95	-81	25	80	90	11	45	57	13	24	55	57	48	88	68	43	-33	46	12	26	29	71	78	69	62
4	79	90	34	-27	22	12	-93	21	-64	36	68	-40	33	-23	61	19	67	72	-20	58	56	-68	62	13	29

ANSWER	
A	421 171 149 166 299 58 16 88 37 194 135 91 176 174 253 286 103 135 146 179 165 46 201 166 185
B	271 166 169 138 124 77 60 91 48 154 165 81 206 221 319 227 176 145 141 136 199 28 249 125 145
C	355 106 192 128 179 87 46 81 28 134 162 90 157 304 443 176 163 189 106 139 285 26 151 225 233

No.	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
1	6	4	4	99	51	8	8	57	8	2	9	4	3	88	33	3	1	23	6	64	7	9	31	16	2
2	7	5	49	35	9	8	54	2	5	69	1	57	96	-7	2	-1	27	2	29	76	8	-1	6	2	1
3	6	-2	64	-3	23	8	86	9	3	7	4	-8	8	54	53	79	2	44	49	49	15	52	34	-1	15
4	75	15	7	3	3	3	-1	58	-6	15	3	41	2	-3	65	69	98	1	-7	4	35	-4	1	6	4
5	6	-5	6	-2	8	7	7	6	23	7	21	4	68	4	62	-5	5	55	7	9	1	35	85	98	27
6	8	6	4	5	3	92	-7	5	-8	2	4	-9	3	2	6	4	6	4	-4	3	69	4	4	-4	79
7	69	-4	8	-3	7	83	3	6	52	5	34	7	4	32	7	-39	11	84	96	8	55	-75	7	84	9
8	3	99	3	8	6	9	-9	8	-1	8	3	-9	8	-35	2	56	92	8	-92	88	4	85	47	-81	65

ANSWER	A	B	C
130	158	116	252
140	348	131	221
76	115	79	87
135	149	110	152
371	84	187	194
178	355	120	244
180	153	245	142
110	155	180	151
86	205	39	27
215	230	166	242
146	90	141	262
215	200	202	202
112	118	145	199
144	218	141	112
90	145	48	57
132	107	380	286
221	34	301	334
125	131	155	192

No.	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1																78	44	89	40	47	15	35	43	98	18
2	14	91	89	88	89	96	74	18	11	16	35	91	35	87	43	59	98	72	94	29	84	35	44	96	43
3	65	24	57	-10	47	93	-47	11	83	52	73	-13	64	-47	80	44	78	61	-63	11	63	-23	89	-70	79
4	90	-33	26	75	76	48	13	69	-93	24	30	99	87	13	18	29	-21	31	26	71	52	27	75	33	35
5	14	86	41	65	96	22	-11	98	98	89	30	-50	40	-32	93	89	67	80	-92	46	11	61	41	33	37
6	77	-16	59	-51	94	22	76	97	-91	10	70	84	42	61	86	82	-23	27	67	32	82	-62	48	-25	58

ANSWER	A	B	C
260	116	272	129
162	222	128	393
3	181	162	257
82	416	381	103
236	227	45	560
160	165	160	160
420	242	152	297
511	281	125	293
2	191	238	191
438	191	438	60
320	248	243	234
82	186	307	73
130	270	270	270
361	152	218	167
402	141	105	483
8	115	388	211
340	211	340	32
490	151	185	110
72	416	517	13
265	255	197	197

101	54	X	3	=	162	207	262	126	23	X	3	=	48	89	69
102	25	X	4	=	170	127	100	127	13	X	8	=	144	139	104
103	57	X	6	=	542	342	414	128	31	X	8	=	317	398	248
104	92	X	8	=	846	836	736	129	49	X	6	=	104	294	412
105	51	X	6	=	306	506	187	130	93	X	7	=	436	651	211
106	77	X	2	=	154	209	164	131	40	X	4	=	170	160	219
107	74	X	8	=	232	592	397	132	20	X	7	=	101	130	140
108	94	X	8	=	854	862	752	133	94	X	3	=	282	214	492
109	47	X	9	=	743	508	423	134	65	X	7	=	455	355	745
110	35	X	7	=	189	185	245	135	40	X	8	=	320	140	230
111	62	X	4	=	248	322	178	136	31	X	7	=	217	148	357
112	12	X	7	=	89	24	84	137	80	X	5	=	690	496	400
113	36	X	2	=	22	72	86	138	11	X	6	=	86	44	66
114	17	X	9	=	153	115	143	139	42	X	3	=	126	146	174
115	98	X	9	=	822	882	538	140	49	X	7	=	343	456	163
116	22	X	6	=	188	132	122	141	37	X	3	=	151	111	143
117	88	X	9	=	570	872	792	142	85	X	3	=	161	255	195
118	58	X	6	=	445	558	348	143	78	X	9	=	702	852	878
119	75	X	3	=	225	153	365	144	84	X	2	=	188	188	134
120	17	X	3	=	51	71	68	145	10	X	8	=	54	80	30
121	37	X	4	=	148	158	182	146	34	X	9	=	205	306	496
122	20	X	8	=	160	104	170	147	91	X	5	=	455	328	195
123	46	X	3	=	138	170	248	148	67	X	4	=	118	332	268
124	44	X	8	=	264	142	352	149	56	X	5	=	280	213	170
125	82	X	8	=	866	840	656	150	97	X	9	=	848	833	873

151	78	X	6	=	468	148	627	176	22	X	7	=	244	154	102
152	95	X	5	=	475	195	323	177	98	X	3	=	179	294	454
153	49	X	3	=	137	181	147	178	79	X	8	=	312	493	632
154	46	X	5	=	308	390	230	179	38	X	5	=	190	160	125
155	40	X	6	=	295	240	100	180	21	X	6	=	183	136	126
156	26	X	4	=	104	183	144	181	76	X	9	=	154	684	527
157	69	X	3	=	207	269	357	182	38	X	8	=	124	304	374
158	74	X	7	=	342	518	838	183	31	X	5	=	155	145	206
159	39	X	4	=	246	203	156	184	18	X	2	=	50	36	16
160	56	X	7	=	192	302	392	185	74	X	3	=	144	222	162
161	28	X	3	=	84	66	24	186	40	X	3	=	189	120	140
162	87	X	3	=	161	201	261	187	77	X	3	=	231	351	305
163	25	X	7	=	105	175	165	188	29	X	6	=	174	120	144
164	15	X	7	=	135	105	127	189	62	X	9	=	558	858	402
165	99	X	4	=	396	686	535	190	91	X	3	=	103	216	273
166	75	X	6	=	750	346	450	191	57	X	7	=	399	527	109
167	83	X	6	=	364	498	168	192	44	X	6	=	264	414	356
168	39	X	7	=	473	273	167	193	12	X	6	=	88	22	72
169	28	X	5	=	196	150	140	194	66	X	3	=	246	198	328
170	60	X	8	=	610	480	830	195	73	X	3	=	300	219	109
171	27	X	2	=	24	38	54	196	65	X	2	=	178	130	200
172	21	X	7	=	106	177	147	197	92	X	2	=	184	230	154
173	25	X	5	=	161	125	135	198	29	X	4	=	116	186	143
174	19	X	5	=	85	66	95	199	49	X	4	=	196	356	141
175	18	X	8	=	224	144	196	200	79	X	6	=	645	474	804

GROUP	E1 E2 E3	TOTAL MARKS	300
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HALL TICKET NO					
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No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1	4	2	6	8	5	4	4	7	5	5	9	7	7	6	9	4	6	9	7	5	4	8	7	7	1
2	1	9	8	6	6	3	5	8	-2	5	4	-1	4	6	5	5	9	5	-3	9	8	-8	9	8	8
3	7	2	8	-1	4	5	-4	4	4	9	3	9	6	1	5	3	2	5	8	9	5	9	6	4	4
4	3	-4	4	5	5	3	4	5	5	3	4	-3	6	-5	2	1	-6	2	-5	7	3	8	5	-8	9
5	4	1	6	4	9	1	9	7	-7	1	2	9	7	5	9	6	9	2	9	7	2	1	8	2	4
6	1	-2	7	-3	3	9	-7	8	8	7	1	4	3	-8	9	4	-5	4	2	3	8	-2	6	-5	6
7	5	1	5	2	5	1	8	7	-1	3	8	-3	1	3	5	5	7	4	-3	2	3	6	9	2	6
8	4	-7	3	-1	4	5	-7	8	5	2	1	8	3	-4	6	7	-2	8	6	7	6	-3	1	-7	9

ANSWER	A	29	6	47	10	41	51	14	36	13	35	52	30	67	1	70	15	35	39	21	29	39	19	51	3	77
	B	19	3	59	20	31	41	19	54	22	65	21	50	26	4	50	35	20	53	28	32	50	25	31	8	47
	C	40	2	77	25	61	31	12	14	17	23	32	38	37	9	68	46	15	19	11	49	69	32	11	9	34

No.	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
1	69	97	14	25	90	59	94	42	91	38	30	57	68	63	61	55	79	74	60	54	38	79	66	32	32
2	26	-83	54	71	26	68	-82	22	-21	87	72	-55	64	54	94	13	49	31	-38	41	52	-41	46	-27	61
3	87	30	39	-17	71	85	44	55	64	66	36	31	52	-52	47	39	-42	25	99	81	55	28	65	16	12
4	33	81	55	32	77	11	-34	99	-53	41	27	81	85	30	48	53	10	59	38	17	24	62	57	-11	58
5	30	-63	42	-21	87	66	26	66	86	64	41	-83	35	-82	55	86	-31	86	-78	38	41	-59	61	48	90

ANSWER	A	415	82	354	20	449	509	88	199	207	385	146	31	304	16	475	246	65	435	81	284	210	54	295	37	326
	B	245	87	271	86	351	353	67	464	277	106	206	51	504	13	305	180	25	275	49	181	160	69	445	58	253
	C	179	62	204	90	531	289	48	284	167	296	134	21	410	15	186	396	42	344	11	231	271	19	404	98	163

GROUP	E1	E2	E3	TOTAL MARKS	300
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HALL TICKET NO					
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No.	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
1	61	5	31	28	3	47	5	3	29	1	65	5	98	2	76	67	2	15	98	31	93	4	3	5	1
2	-1	17	13	-4	9	67	6	1	-2	72	-5	43	-69	4	2	-1	7	-14	6	1	-9	2	63	45	92
3	43	7	64	32	1	-9	7	95	7	27	4	2	2	41	86	23	92	4	4	15	3	21	-4	1	-7
4	4	62	2	-3	44	2	43	79	4	34	97	3	24	41	56	-7	14	-5	29	6	-4	27	26	15	77
5	14	6	2	59	94	8	6	58	-14	3	-6	75	-5	6	5	74	9	4	3	6	97	2	13	6	6
6	-4	1	7	8	5	-43	57	27	87	4	8	77	39	4	8	7	57	56	92	66	4	23	-2	88	-96
7	5	54	9	3	13	54	53	9	95	2	-93	7	6	71	1	4	69	-6	26	29	38	6	9	1	85
8	-66	11	54	-44	14	-5	46	9	-5	81	84	76	-4	53	32	-68	7	67	4	2	-16	57	-67	59	-1

ANSWER	A	B	C
1	37	163	182
2	26	263	152
3	56	200	229
4	37	163	182
5	26	263	152
6	56	200	229
7	37	163	182
8	26	263	152
9	56	200	229
10	37	163	182
11	26	263	152
12	56	200	229
13	37	163	182
14	26	263	152
15	56	200	229
16	37	163	182
17	26	263	152
18	56	200	229
19	37	163	182
20	26	263	152
21	56	200	229
22	37	163	182
23	26	263	152
24	56	200	229
25	37	163	182
26	26	263	152
27	56	200	229
28	37	163	182
29	26	263	152
30	56	200	229
31	37	163	182
32	26	263	152
33	56	200	229
34	37	163	182
35	26	263	152
36	56	200	229
37	37	163	182
38	26	263	152
39	56	200	229
40	37	163	182
41	26	263	152
42	56	200	229
43	37	163	182
44	26	263	152
45	56	200	229
46	37	163	182
47	26	263	152
48	56	200	229
49	37	163	182
50	26	263	152
51	56	200	229
52	37	163	182
53	26	263	152
54	56	200	229
55	37	163	182
56	26	263	152
57	56	200	229
58	37	163	182
59	26	263	152
60	56	200	229
61	37	163	182
62	26	263	152
63	56	200	229
64	37	163	182
65	26	263	152
66	56	200	229
67	37	163	182
68	26	263	152
69	56	200	229
70	37	163	182
71	26	263	152
72	56	200	229
73	37	163	182
74	26	263	152
75	56	200	229
76	37	163	182
77	26	263	152
78	56	200	229
79	37	163	182
80	26	263	152
81	56	200	229
82	37	163	182
83	26	263	152
84	56	200	229
85	37	163	182
86	26	263	152
87	56	200	229
88	37	163	182
89	26	263	152
90	56	200	229
91	37	163	182
92	26	263	152
93	56	200	229
94	37	163	182
95	26	263	152
96	56	200	229
97	37	163	182
98	26	263	152
99	56	200	229
100	37	163	182

No.	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	89	78	28	80	29	26	66	74	69	48	85	75	16	42	27	19	22	81	75	21	22	18	93	90	45
2	88	37	81	-11	69	54	-43	26	-23	40	78	98	61	88	30	36	25	47	-11	88	40	53	17	-90	77
3	47	-12	12	13	44	83	84	31	72	53	65	-78	30	-94	79	83	-12	31	56	43	37	92	60	62	51
4	93	28	55	-76	76	56	63	63	-79	87	40	79	50	45	46	92	32	21	-15	59	40	-31	52	39	75
5	91	34	96	58	18	14	34	24	43	11	80	90	24	-75	24	77	-26	19	80	25	47	18	26	88	72
6	63	-26	70	91	94	51	-95	12	28	61	38	-50	19	61	62	38	77	21	34	34	83	-98	49	-43	70

ANSWER	A	B	C
1	211	185	239
2	471	169	342
3	598	139	522
4	211	185	239
5	471	169	342
6	598	139	522
7	211	185	239
8	471	169	342
9	598	139	522
10	211	185	239
11	471	169	342
12	598	139	522
13	211	185	239
14	471	169	342
15	598	139	522
16	211	185	239
17	471	169	342
18	598	139	522
19	211	185	239
20	471	169	342
21	598	139	522
22	211	185	239
23	471	169	342
24	598	139	522
25	211	185	239
26	471	169	342
27	598	139	522
28	211	185	239
29	471	169	342
30	598	139	522
31	211	185	239
32	471	169	342
33	598	139	522
34	211	185	239
35	471	169	342
36	598	139	522
37	211	185	239
38	471	169	342
39	598	139	522
40	211	185	239
41	471	169	342
42	598	139	522
43	211	185	239
44	471	169	342
45	598	139	522
46	211	185	239
47	471	169	342
48	598	139	522
49	211	185	239
50	471	169	342
51	598	139	522
52	211	185	239
53	471	169	342
54	598	139	522
55	211	185	239
56	471	169	342
57	598	139	522
58	211	185	239
59	471	169	342
60	598	139	522
61	211	185	239
62	471	169	342
63	598	139	522
64	211	185	239
65	471	169	342
66	598	139	522
67	211	185	239
68	471	169	342
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70	211	185	239
71	471	169	342
72	598	139	522
73	211	185	239
74	471	169	342
75	598	139	522
76	211	185	239
77	471	169	342
78	598	139	522
79	211	185	239
80	471	169	342
81	598	139	522
82	211	185	239
83	471	169	342
84	598	139	522
85	211	185	239
86	471	169	342
87	598	139	522
88	211	185	239
89	471	169	342
90	598	139	522
91	211	185	239
92	471	169	342
93	598	139	522
94	211	185	239
95	471	169	342
96	598	139	522
97	211	185	239
98	471	169	342
99	598	139	522
100	211	185	239

101	65	X	7	=
102	70	X	2	=
103	55	X	6	=
104	10	X	7	=
105	37	X	3	=
106	57	X	2	=
107	94	X	2	=
108	53	X	2	=
109	34	X	2	=
110	18	X	8	=
111	84	X	3	=
112	74	X	2	=
113	42	X	5	=
114	77	X	2	=
115	30	X	4	=
116	85	X	4	=
117	75	X	5	=
118	11	X	8	=
119	77	X	5	=
120	53	X	3	=
121	69	X	3	=
122	36	X	2	=
123	60	X	5	=
124	50	X	8	=
125	50	X	4	=

455	614
140	199
330	231
80	70
121	138
140	114
188	158
176	130
68	88
244	144
422	184
138	148
170	294
154	114
150	151
340	180
375	521
18	68
605	516
159	207
207	337
82	50
300	120
180	528
310	246

225
150
570
85
111
144
150
106
98
200
252
196
210
244
120
262
165
88
385
149
147
72
186
400
200

126	47	X	8	=
127	78	X	6	=
128	17	X	4	=
129	21	X	5	=
130	95	X	2	=
131	78	X	3	=
132	93	X	8	=
133	76	X	8	=
134	62	X	5	=
135	97	X	4	=
136	98	X	3	=
137	11	X	4	=
138	94	X	8	=
139	78	X	4	=
140	51	X	8	=
141	30	X	8	=
142	62	X	8	=
143	81	X	8	=
144	71	X	2	=
145	92	X	3	=
146	63	X	9	=
147	98	X	9	=
148	99	X	5	=
149	93	X	5	=
150	82	X	4	=

376	156	290
198	468	594
68	88	18
105	132	165
170	190	131
114	234	152
294	744	469
450	828	608
310	470	409
658	388	295
104	294	362
24	44	26
504	752	182
237	522	312
718	547	408
310	380	240
776	367	496
784	648	318
199	142	232
210	276	136
731	187	567
898	852	882
855	495	639
339	175	465
108	249	328

151	325	÷	5	=	176	273	÷	3	=	176	273	÷	3	=	81	91	57
152	74	÷	2	=	177	574	÷	7	=	177	574	÷	7	=	65	82	92
153	475	÷	5	=	178	166	÷	2	=	178	166	÷	2	=	33	51	83
154	891	÷	9	=	179	656	÷	8	=	179	656	÷	8	=	32	82	53
155	600	÷	8	=	180	306	÷	6	=	180	306	÷	6	=	51	38	71
156	248	÷	8	=	181	492	÷	6	=	181	492	÷	6	=	82	87	22
157	640	÷	8	=	182	144	÷	3	=	182	144	÷	3	=	48	78	33
158	560	÷	8	=	183	180	÷	9	=	183	180	÷	9	=	26	33	20
159	413	÷	7	=	184	488	÷	8	=	184	488	÷	8	=	75	21	61
160	356	÷	4	=	185	33	÷	3	=	185	33	÷	3	=	15	19	11
161	44	÷	2	=	186	400	÷	5	=	186	400	÷	5	=	20	80	83
162	616	÷	8	=	187	92	÷	2	=	187	92	÷	2	=	86	46	29
163	120	÷	4	=	188	100	÷	4	=	188	100	÷	4	=	25	45	32
164	320	÷	4	=	189	26	÷	2	=	189	26	÷	2	=	15	13	17
165	400	÷	8	=	190	582	÷	6	=	190	582	÷	6	=	37	61	97
166	80	÷	2	=	191	511	÷	7	=	191	511	÷	7	=	23	73	55
167	72	÷	3	=	192	130	÷	5	=	192	130	÷	5	=	26	16	36
168	441	÷	7	=	193	315	÷	5	=	193	315	÷	5	=	50	63	33
169	276	÷	6	=	194	248	÷	4	=	194	248	÷	4	=	86	32	62
170	765	÷	9	=	195	144	÷	8	=	195	144	÷	8	=	13	28	18
171	445	÷	5	=	196	413	÷	7	=	196	413	÷	7	=	59	89	78
172	156	÷	2	=	197	264	÷	3	=	197	264	÷	3	=	28	58	88
173	462	÷	6	=	198	588	÷	6	=	198	588	÷	6	=	98	84	88
174	292	÷	4	=	199	68	÷	2	=	199	68	÷	2	=	34	14	25
175	189	÷	7	=	200	183	÷	3	=	200	183	÷	3	=	38	81	61

+/- 2 Marks per question
x 1 Mark per question

Time Limit : 8 Minutes / 200 Q ENDEAVOURS

HALL TICKET NO				
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No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1	4	5	8	4	8	8	4	7	9	8	7	6	9	5	3	7	4	8	9	7	5	6	6	3	7
2	6	6	6	6	6	5	7	3	8	5	4	-2	5	7	9	1	-3	9	4	3	5	-4	6	-2	2
3	3	-8	7	-3	6	6	-4	5	-3	8	1	5	1	-6	1	7	4	2	-8	8	7	8	2	6	6
4	8	4	7	1	6	1	8	5	2	1	2	1	2	6	1	5	-1	6	8	1	5	-6	6	-1	5
5	7	-1	3	-5	5	3	-8	5	-7	2	4	-2	6	-9	7	5	8	8	-2	5	5	7	7	2	2
6	7	8	3	2	3	6	4	9	4	3	3	5	6	7	7	8	-7	9	6	6	6	-2	7	5	5
7	8	-4	7	-5	4	8	-6	4	6	2	6	1	9	-4	8	8	7	4	-6	9	3	4	4	3	4
8	1	6	1	5	6	2	1	9	-2	2	8	-5	3	6	1	4	2	1	4	7	8	2	2	-8	8
9	4	1	5	1	7	9	-3	2	4	5	2	8	7	9	1	5	-8	2	-4	7	1	9	4	4	2
10	5	-6	3	-5	6	1	6	7	-3	1	2	-9	1	-2	4	6	1	7	2	8	9	-5	8	-7	5

ANSWER	A	B	C
1	42	15	35
2	53	14	50
3	83	11	80
4	42	15	35
5	42	15	35
6	42	15	35
7	42	15	35
8	42	15	35
9	42	15	35
10	42	15	35

No.	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
1	85	87	66	48	90	52	81	57	73	62	37	66	92	29	56	39	66	79	83	91	29	41	50	55	70
2	34	-52	83	-10	67	87	67	49	-67	62	18	-66	74	44	28	36	44	13	-44	82	85	44	84	14	24
3	97	88	70	26	61	35	-35	23	45	69	76	42	56	-32	25	25	-14	27	76	67	10	46	21	-60	30
4	35	-19	79	-64	73	49	73	48	91	45	75	70	97	72	16	89	25	59	23	13	60	-70	37	81	46
5	89	56	69	47	27	19	62	39	77	74	23	22	74	-66	19	65	74	91	-44	79	24	82	36	33	94
6	46	71	87	10	94	49	-95	60	-12	88	20	-72	16	74	36	99	-80	76	55	71	35	-81	75	-16	61

ANSWER	A	B	C
1	235	401	224
2	696	231	454
3	386	282	608
4	235	401	224
5	235	401	224
6	235	401	224
7	235	401	224
8	235	401	224
9	235	401	224
10	235	401	224

3rd Indian Abacus National Level Abacus & Mental Arithmetic Competition – 13th July 2019 (Model Question Paper)

**+/- 2 Marks per question
x 1 Mark per question**

Time Limit : 8 Minutes / 200 Q

ENDEAVOURS

GROUP	F1 F2 F3	TOTAL MARKS	300
HALL TICKET NO			

No.	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
1													49	60	77	86	56	62	39	14	84	89	66	66	57
2	92	96	34	72	71	87	16	22	70	25	65	48	16	-16	30	20	86	41	-25	54	75	-73	76	-13	62
3	24	19	35	91	43	15	91	90	-34	15	17	-10	50	82	81	54	-29	60	66	11	41	88	78	91	87
4	87	35	20	82	28	90	-47	75	17	68	12	78	23	57	53	54	95	62	79	22	97	-21	19	77	19
5	17	-62	76	-28	72	80	60	60	55	86	88	73	56	-59	96	17	-50	96	-50	19	36	16	59	-83	87
6	50	19	48	71	29	90	-15	10	67	37	30	21	26	13	83	72	35	29	13	88	69	38	70	96	18
7	54	-57	91	51	83	52	99	12	31	95	71	-31	39	-40	58	19	-54	33	-57	56	82	-79	23	90	15
8	41	76	39	-96	93	55	38	41	-87	49	24	32	24	86	96	87	67	86	76	99	13	62	60	-71	68

ANSWER	A	B	C
281	365	197	553
282	163	419	159
283	242	406	189
284	375	507	351
285	283	183	409
286	366	596	221
287	229	497	157
288	451	253	281
289	135	126	343
290	243	189	567
291	372	500	184
292	105	307	285
293	113	126	769
294	276	469	196
295	543	651	120
296	546	193	203
297	180	101	334
298	363	187	413
299	141	109	206
300	282	574	303
301	173	211	408
302	277	119	310
303	148	469	297
304	173	297	473
305	136	226	473

No.	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1													99	53	54	89	64	77	83	11	27	71	77	69	66
2	36	43	39	84	84	49	69	41	96	68	22	60	70	55	88	46	13	71	91	22	78	37	32	97	63
3	47	-33	55	19	72	27	-51	98	18	53	66	-17	73	24	74	90	-59	28	-78	65	62	-54	82	-31	41
4	86	28	75	72	85	45	85	44	60	21	13	21	63	95	50	32	35	62	81	38	11	93	89	63	15
5	90	77	13	41	38	21	-19	50	-37	98	87	-44	48	-55	87	89	-34	82	15	78	72	12	62	12	25
6	73	-47	61	-14	66	92	11	93	67	55	24	94	19	54	56	37	98	56	62	96	68	34	22	42	54
7	60	27	28	22	25	78	34	25	18	39	21	98	57	-29	86	80	29	94	72	23	94	-82	25	-88	27
8	60	57	60	-78	16	14	-11	35	-76	66	16	69	14	96	18	11	17	92	-34	95	16	62	84	54	14
9	60	78	93	91	92	44	96	67	50	66	46	44	55	25	16	50	80	45	15	49	48	62	82	23	83
10	54	-79	94	-48	23	70	56	99	-42	42	85	-40	78	-66	78	27	-99	24	-57	49	97	-34	58	-79	91

ANSWER	A	B	C
179	775	241	518
107	242	501	120
883	201	193	668
193	526	144	694
201	191	250	607
479	573	330	277
262	856	631	141
613	330	214	252
275	573	576	393
797	420	416	551
341	700	449	330
688	416	176	285
162	420	551	380
335	797	449	681
	341	449	211
	688	150	552
	700	440	189
	420	791	788
	416	151	896

+/- 2 Marks per question
x/- 1 Mark per question

Time Limit : 8 Minutes / 200 Q

ENDEAVOURS

HALL TICKET

101	570	X	6	=	3420	4378	1920	126	267	X	9	=	1673	2403	3076
102	485	X	7	=	3395	1085	4447	127	380	X	8	=	1000	3040	4013
103	519	X	8	=	4152	5065	7142	128	848	X	8	=	6784	1564	4817
104	987	X	4	=	6598	3948	5053	129	605	X	3	=	1815	2196	1415
105	591	X	3	=	1773	1401	1863	130	302	X	6	=	1812	2356	1582
106	748	X	2	=	1526	1496	1957	131	524	X	8	=	2892	4192	7502
107	533	X	7	=	3731	5074	6081	132	529	X	9	=	8181	4761	2952
108	181	X	2	=	243	132	362	133	522	X	4	=	1420	3348	2088
109	129	X	3	=	279	167	387	134	708	X	7	=	4956	7936	6542
110	799	X	6	=	7334	4794	3404	135	911	X	7	=	6377	8887	4273
111	884	X	9	=	3896	5728	7956	136	163	X	9	=	1637	1467	1144
112	996	X	6	=	8247	5976	8476	137	417	X	5	=	2085	1525	1251
113	747	X	9	=	5109	1813	6723	138	105	X	8	=	638	840	180
114	598	X	7	=	4186	3014	1806	139	964	X	8	=	7712	1692	5398
115	138	X	8	=	1325	1104	1334	140	175	X	4	=	260	700	900
116	818	X	2	=	2786	1636	1129	141	967	X	8	=	1856	8946	7736
117	666	X	4	=	3703	2664	4264	142	818	X	8	=	6544	8454	8769
118	871	X	5	=	4355	6885	5618	143	953	X	7	=	8641	6671	4470
119	206	X	5	=	1030	1790	1639	144	423	X	3	=	1269	1977	2009
120	541	X	4	=	1884	2164	1407	145	790	X	7	=	8670	6857	5530
121	620	X	4	=	1538	2480	1940	146	327	X	2	=	874	438	654
122	689	X	2	=	2288	1378	1736	147	165	X	4	=	860	660	898
123	557	X	6	=	1862	3342	4445	148	610	X	6	=	5014	3660	1870
124	543	X	5	=	1738	1925	2715	149	496	X	5	=	1662	2480	1520
125	870	X	8	=	2780	6960	8700	150	229	X	5	=	1710	1525	1145

+/- 2 Marks per question
x/- 1 Mark per question

Time Limit : 8 Minutes / 200 Q

ENDEAVOURS

HALL TICKET

151	480	÷	6	=	20	90	80	176	3880	÷	5	=	346	776	497
152	335	÷	5	=	86	67	27	177	2835	÷	5	=	346	887	567
153	207	÷	9	=	32	33	23	178	2952	÷	9	=	138	397	328
154	172	÷	4	=	63	29	43	179	4710	÷	6	=	895	785	859
155	504	÷	9	=	56	69	86	180	4952	÷	8	=	439	869	619
156	152	÷	4	=	18	38	28	181	2838	÷	6	=	473	793	359
157	304	÷	4	=	76	46	86	182	1800	÷	2	=	870	621	900
158	396	÷	6	=	84	16	66	183	226	÷	2	=	183	150	113
159	329	÷	7	=	59	17	47	184	1384	÷	2	=	692	887	852
160	177	÷	3	=	38	59	29	185	2430	÷	5	=	627	136	486
161	400	÷	5	=	80	48	20	186	3762	÷	6	=	317	627	834
162	385	÷	7	=	55	25	75	187	771	÷	3	=	187	337	257
163	368	÷	8	=	35	86	46	188	2965	÷	5	=	593	397	193
164	260	÷	5	=	52	33	12	189	2332	÷	4	=	193	764	583
165	240	÷	3	=	89	80	90	190	3498	÷	6	=	746	173	583
166	315	÷	5	=	83	79	63	191	1188	÷	9	=	173	202	132
167	250	÷	5	=	70	50	37	192	1442	÷	2	=	821	721	888
168	360	÷	6	=	82	60	10	193	2502	÷	6	=	321	187	417
169	232	÷	4	=	88	42	58	194	1048	÷	2	=	341	254	524
170	92	÷	2	=	59	76	46	195	2290	÷	5	=	818	302	458
171	80	÷	5	=	18	11	16	196	2842	÷	7	=	292	406	656
172	657	÷	9	=	50	83	73	197	644	÷	2	=	542	322	428
173	693	÷	7	=	39	84	99	198	8172	÷	9	=	599	858	908
174	188	÷	4	=	77	59	47	199	442	÷	2	=	111	221	281
175	810	÷	9	=	90	87	30	200	5238	÷	9	=	582	122	745

+/- 2 Marks per question
x/- 1 Mark per question

Time Limit : 8 Minutes / 200 Q

ACHIEVERS

HALL TICKET NO

No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1	1	92	8	41	5	5	11	5	1	2	1	21	53	11	9	23	1	39	3	7	62	9	97	5	73
2	2	-56	86	7	7	88	9	49	62	45	92	-5	11	3	2	9	99	6	-2	94	1	36	15	55	7
3	7	83	89	-7	8	9	-3	52	6	9	71	6	6	53	4	3	-9	7	22	75	54	76	8	-7	2
4	1	6	99	1	8	3	12	6	-1	86	1	-2	2	-5	1	62	4	9	19	4	3	-6	5	73	2
5	78	-6	7	-9	22	46	-5	9	8	5	9	6	7	3	8	4	81	59	-41	5	66	5	7	-5	96
6	24	9	6	2	13	88	99	6	-7	89	7	-6	35	-18	64	4	-3	4	9	2	5	-72	5	27	2
7	5	-7	1	24	1	7	1	7	97	2	33	72	4	7	21	6	95	1	4	73	2	4	6	1	28
8	16	1	2	-48	68	1	-8	99	-68	9	5	46	6	-8	29	67	-3	65	-2	3	5	-2	25	-1	7

ANSWER																									A	224	212	203	11	132	247	156	233	98	158	298	138	134	62	138	137	212	180	12	176	338	20	268	178	347
																									B	134	122	458	14	222	437	189	163	65	387	179	191	124	76	238	178	425	146	16	263	273	50	108	148	217
																									C	177	176	298	18	166	338	116	284	38	247	219	148	169	46	108	188	265	190	15	453	198	36	168	184	167

No.	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
1	22	55	17	83	20	57	82	58	50	57	76	80	41	99	47	69	96	53	38	19	17	92	69	98	62
2	37	-15	99	93	49	21	45	60	-19	95	54	-37	69	-32	23	30	-61	86	86	51	99	18	70	-54	13
3	91	76	13	-55	23	57	-82	96	66	53	30	17	58	31	99	32	69	51	23	32	94	76	58	83	12
4	97	-18	74	51	67	66	29	37	34	87	76	67	74	28	81	67	-61	71	-11	53	55	-93	24	69	23
5	66	60	67	29	28	61	-50	86	-69	49	98	-58	28	95	15	17	55	37	80	42	34	95	86	-45	91
6	80	52	76	-14	65	53	14	93	76	54	21	62	43	-56	28	24	-21	30	-36	75	57	-40	54	42	96
7	87	98	81	50	53	26	41	33	31	25	51	-90	87	39	18	23	69	16	59	63	36	25	20	-22	79
8	24	-20	76	-97	37	74	-44	57	-24	16	83	57	63	-58	92	24	77	95	-92	32	87	-44	59	32	69

ANSWER																									
A	854	199	503	150	152	725	49	250	175	288	489	88	463	198	298	343	393	439	147	367	350	181	277	363	619
B	504	178	654	188	239	415	35	520	155	436	592	98	625	146	403	436	138	129	267	268	479	209	440	264	695
C	388	288	863	140	342	303	55	322	145	156	839	61	193	176	173	286	223	307	204	637	109	129	100	203	445

+/- 2 Marks per question
x/- 1 Mark per question

Time Limit : 8 Minutes / 200 Q

HALL TICKET NO

ACHIEVERS

No.	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
1	32	29	43	32	21	61	59	46	15	89	95	85	36	26	24	85	68	74	99	19	28	24	80	78	71
2	26	16	31	46	85	66	-30	26	94	27	81	-50	85	18	93	22	-11	40	-54	14	28	70	53	-13	35
3	76	42	75	-47	32	18	35	91	23	95	38	94	98	-15	25	60	56	81	96	57	33	-54	22	74	72
4	53	92	90	46	82	71	-38	99	-91	54	10	-52	70	97	77	75	30	44	19	12	45	94	47	17	78
5	75	-26	71	-16	47	27	35	66	64	61	86	20	92	14	33	60	-69	94	69	93	79	14	57	92	83
6	51	10	87	15	71	35	-25	13	98	73	57	-90	27	-78	50	12	12	79	-98	52	33	80	30	12	41
7	15	-37	44	40	75	85	38	10	-20	91	14	17	53	49	51	91	-63	48	33	82	23	-19	32	-61	41
8	38	13	63	-32	55	67	92	93	92	46	38	87	71	-93	70	87	90	92	25	87	88	57	34	32	54
9	12	-24	82	94	22	99	69	51	-20	86	70	71	56	18	56	92	31	36	-86	72	25	-30	61	-52	78

ANSWER	A	B	C
378	175	586	178
622	529	174	683
255	622	489	292
36	608	584	190
208	176	748	632
386	266	224	697
128	115	738	188
490	259	165	495
319	182	189	182
24	109	164	144
588	103	488	237
196	156	159	223
499	153	836	133
750	376	235	235
165	404	645	122
56	479	461	244
753	183	342	382
416	179	553	

No.	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	72	98	30	55	39	27	89	10	82	89	87	14	28	90	24	34	62	57	96	89	86	54	34	53	40
2	10	60	74	43	97	75	-86	99	77	19	13	56	71	19	26	41	-20	43	66	87	93	13	24	-34	50
3	86	52	32	-45	90	19	94	89	95	35	73	-30	56	94	71	80	73	13	-96	76	88	99	27	50	70
4	42	-14	19	67	98	27	67	85	30	48	16	53	23	-72	45	29	83	26	43	40	95	58	49	74	58
5	47	79	91	-47	85	72	88	59	-97	48	19	54	16	64	85	66	58	34	-68	84	75	-23	41	-25	74
6	52	91	38	31	87	66	64	47	49	84	13	37	36	59	24	47	20	67	27	70	34	30	67	93	61
7	82	61	87	37	25	53	-79	81	69	41	83	-82	37	-20	94	49	-41	14	-62	65	22	-26	90	55	83
8	77	-57	36	-69	53	20	22	91	-99	86	74	23	31	90	41	87	24	95	82	10	53	97	30	69	82
9	73	27	49	46	52	10	60	31	25	67	53	58	75	-16	15	20	-88	79	75	18	37	15	60	-25	21
10	48	-35	67	48	71	67	-26	89	-62	16	29	-31	86	22	54	93	35	92	21	33	31	-20	58	71	97

ANSWER	A	B	C
589	122	523	166
247	186	179	531
169	863	710	152
330	479	146	268
416	164	572	614
619	181	636	
299	362	675	121
881	436	443	251
220	533	460	208
130	326	355	326
870	241	698	411
480	495	246	
772	492	243	296
697	589	293	681
279	666	570	162
419	209	546	206
520	184	202	234
830	381	820	

+/- 2 Marks per question
x/- 1 Mark per question

Time Limit : 8 Minutes / 200 Q

ACHIEVERS

HALL TICKET

101	2058	X	6	=	21368	12348	18150	126	96	X	61	=	5856	7671	8906
102	3995	X	3	=	11985	14675	16060	127	91	X	72	=	1902	8780	6552
103	7022	X	7	=	49154	30475	23594	128	58	X	50	=	2900	4460	2204
104	5595	X	2	=	14211	11190	15030	129	41	X	38	=	1558	2438	1153
105	1571	X	4	=	6284	2824	7855	130	18	X	75	=	1350	1863	2070
106	3674	X	6	=	26673	22044	14854	131	92	X	80	=	7360	8336	8490
107	9467	X	7	=	68269	41087	29159	132	15	X	55	=	825	882	865
108	3929	X	8	=	42748	31432	49972	133	24	X	37	=	868	533	888
109	6662	X	5	=	20652	33310	56960	134	78	X	55	=	5877	4290	1370
110	3962	X	2	=	8208	7924	3094	135	95	X	80	=	8720	7600	8745
111	2356	X	4	=	2924	7162	9424	136	72	X	30	=	3024	2160	3450
112	9600	X	5	=	12000	48000	60000	137	59	X	19	=	1241	1121	1525
113	3616	X	7	=	19996	11892	25312	138	13	X	92	=	1849	1456	1196
114	8062	X	6	=	59981	12092	48372	139	35	X	14	=	490	622	800
115	6184	X	7	=	60170	43288	19098	140	50	X	88	=	5588	1960	4400
116	5199	X	5	=	25995	19095	31714	141	95	X	21	=	1715	1995	1476
117	9414	X	2	=	16408	18828	14498	142	50	X	36	=	1800	3040	2484
118	1857	X	7	=	21709	12999	18579	143	19	X	76	=	1634	1444	1877
119	3285	X	6	=	19710	23849	34690	144	60	X	71	=	4260	1570	5921
120	1780	X	9	=	16020	19612	28030	145	32	X	34	=	1088	1268	1414
121	6154	X	5	=	30770	19693	14770	146	82	X	57	=	6357	4674	7614
122	6969	X	2	=	20908	13938	18398	147	17	X	55	=	345	711	935
123	2401	X	2	=	2881	1632	4802	148	88	X	50	=	4400	6028	1980
124	6453	X	8	=	51624	22714	62981	149	63	X	82	=	5166	3410	8676
125	3594	X	4	=	17395	14376	14456	150	51	X	30	=	1300	1040	1530

151	804	÷	2	=
152	946	÷	2	=
153	802	÷	2	=
154	1385	÷	5	=
155	5368	÷	8	=
156	3540	÷	6	=
157	1364	÷	2	=
158	2664	÷	4	=
159	594	÷	3	=
160	3848	÷	8	=
161	2478	÷	7	=
162	3784	÷	4	=
163	888	÷	8	=
164	1158	÷	2	=
165	4614	÷	6	=
166	1370	÷	5	=
167	3376	÷	4	=
168	3352	÷	4	=
169	1020	÷	2	=
170	2384	÷	4	=
171	2105	÷	5	=
172	465	÷	3	=
173	2936	÷	4	=
174	2480	÷	8	=
175	1488	÷	3	=

102	257	402
326	813	473
401	485	661
277	371	477
671	812	891
401	130	590
682	852	840
836	666	819
242	348	198
481	592	191
269	124	354
316	605	946
111	175	171
579	869	388
769	229	500
464	170	274
840	844	424
838	628	898
510	190	704
876	435	596
269	191	421
186	155	265
734	872	304
310	431	170
496	675	776

176	3402	÷	42	=
177	980	÷	10	=
178	1275	÷	51	=
179	1849	÷	43	=
180	567	÷	21	=
181	1014	÷	26	=
182	3575	÷	55	=
183	696	÷	12	=
184	6392	÷	94	=
185	7656	÷	88	=
186	2760	÷	46	=
187	110	÷	10	=
188	690	÷	15	=
189	3256	÷	88	=
190	2937	÷	89	=
191	1122	÷	51	=
192	5320	÷	56	=
193	1547	÷	17	=
194	5782	÷	98	=
195	4770	÷	53	=
196	1608	÷	67	=
197	637	÷	13	=
198	1328	÷	83	=
199	1008	÷	12	=
200	3078	÷	38	=

58	21	81
82	88	98
25	32	45
63	28	43
17	27	20
39	69	48
88	65	85
98	43	58
98	68	84
47	87	61
60	77	20
11	20	17
76	59	46
30	37	17
13	33	44
27	12	22
85	66	95
62	91	21
81	89	59
80	90	67
18	14	24
49	64	79
27	11	16
44	84	87
81	21	82

+/- 2 Marks per question
x/÷ 1 Mark per question

Time Limit : 8 Minutes / 200 Q

HALL ICKE I NO

STARS

No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
1	87	23	34	45	76	73	99	14	72	30	34	86	33	94	53	56	28	68	54	93	64	85	68	68	28
2	55	51	96	27	39	48	48	99	45	10	38	-17	36	-90	77	27	-22	83	29	54	73	-41	22	59	23
3	45	97	57	-56	94	84	-48	90	-87	46	51	19	88	69	16	12	42	85	-15	41	71	68	64	-22	44
4	67	-80	86	38	68	83	54	73	73	73	20	-12	15	-66	21	59	58	93	47	40	41	91	38	47	72
5	84	35	13	83	82	55	36	75	62	33	13	76	93	47	64	89	-62	20	-86	18	32	-69	15	-63	24
6	51	-21	52	-15	68	95	-40	48	-24	48	11	89	47	70	26	46	25	44	58	40	85	12	69	56	35
7	27	96	83	78	64	83	64	45	56	91	63	-56	42	94	61	71	95	57	23	13	44	50	11	15	34
8	51	-18	81	-35	95	56	-58	13	-24	30	30	58	31	-26	59	95	-87	96	-27	84	28	-31	48	-47	49

ANSWER	
A	579 173 502 165 846 773 112 571 235 278 205 403 385 322 667 455 87 876 33 467 438 165 335 113 309
B	467 183 842 185 738 577 155 457 263 151 460 243 665 261 377 155 86 546 83 383 148 255 466 186 188
C	777 256 321 120 586 887 175 827 173 361 260 175 527 192 498 592 77 366 90 683 320 203 605 193 509

No.	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
1	90	62	58	57	43	21	29	10	99	90	75	95	15	16	36	81	91	58	60	83	71	88	10	59	65
2	89	97	18	85	89	23	58	35	-14	27	44	76	41	-13	22	69	-20	77	-52	62	51	-88	36	24	95
3	56	-45	99	-27	18	36	-70	21	29	34	36	75	13	56	32	31	16	43	46	86	53	48	68	23	17
4	33	33	13	32	26	73	49	99	74	19	47	-68	33	42	93	49	45	75	55	39	80	18	92	-23	71
5	82	51	42	-90	95	68	-32	94	45	63	25	50	96	-71	13	71	-16	25	76	36	53	-31	38	98	62
6	79	-92	97	11	93	28	49	43	29	62	50	-80	29	14	75	47	62	75	-86	66	52	77	91	96	79
7	35	19	59	-23	86	57	-30	50	-90	96	24	38	19	-22	36	14	25	20	78	64	52	18	48	-77	77
8	90	-84	98	26	50	99	33	53	43	76	81	-12	40	78	65	15	-96	75	-23	66	97	48	97	73	59
9	40	98	90	95	81	97	69	37	-60	87	33	18	18	94	78	92	18	71	86	88	64	-55	29	-58	69

ANSWER	
A	164 219 448 110 191 612 135 278 155 214 415 192 380 194 450 628 145 159 420 140 573 153 869 215 594
B	374 139 574 296 349 842 155 442 265 377 290 117 104 184 567 189 179 519 175 437 893 196 509 375 820
C	594 195 224 166 581 502 203 192 208 554 165 342 304 122 770 469 125 649 240 590 441 123 667 144 154

GROUP	H1 H2 H3	TOTAL MARKS	300
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HALL TICKET NO			
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No.	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
1	8.96	8.09	8.06	7.09	1.18	1.92	9.77	5.14	8.77	8.29	1.81	8.45	2.58	7.34	5.98	3.69	8.74	9.46	6.26	8.54	6.48	4.33	1.49	9.61	5.12
2	5.92	4.25	8.82	6.66	7.68	1.16	7.39	2.44	4.54	7.09	7.41	2.09	5.20	5.55	4.14	2.89	2.36	8.19	2.12	6.14	4.13	1.66	1.24	3.95	1.87
3	7.80	8.19	1.87	3.29	1.45	5.21	8.62	4.05	5.43	8.46	9.27	2.75	5.97	7.72	6.53	5.96	2.98	2.60	3.69	6.91	6.58	2.47	1.91	3.14	4.80
4	5.34	7.28	4.67	4.31	8.96	5.20	8.59	2.37	6.11	3.74	1.15	5.93	6.43	5.78	1.41	3.14	6.66	4.29	1.71	9.83	5.68	5.37	8.55	2.13	2.44
5	4.84	3.75	2.67	7.73	5.94	6.51	3.86	1.84	9.16	5.70	7.81	5.09	9.70	4.05	5.52	3.08	3.19	3.39	7.90	9.57	1.97	2.59	9.35	5.91	5.39
6	6.95	7.81	6.87	4.46	7.70	2.71	4.95	8.32	2.16	6.61	8.84	7.98	1.15	4.30	6.18	5.82	8.29	8.78	8.30	2.28	2.49	8.28	2.67	3.00	8.38
7	5.00	1.18	1.31	4.01	5.71	1.91	6.62	9.65	9.43	9.94	2.86	8.92	4.48	2.06	9.63	5.11	1.63	2.03	8.11	5.09	5.20	7.62	5.72	8.34	1.59
8	6.15	1.56	9.83	4.05	3.48	4.33	8.72	8.01	5.81	1.46	1.94	8.22	9.09	8.22	2.65	2.11	8.63	4.68	2.80	3.76	3.97	7.08	1.98	8.66	1.33
9	9.44	4.42	5.95	5.04	2.74	7.65	5.28	9.83	4.27	8.30	8.96	1.11	9.39	6.61	8.44	1.18	5.74	8.41	8.84	1.58	8.91	2.21	7.68	3.10	7.20
10	1.23	3.53	5.97	7.22	6.48	5.90	6.45	1.91	9.47	4.78	6.04	4.51	8.30	5.25	6.71	1.67	4.58	4.37	4.10	8.04	5.52	6.52	2.13	8.29	9.71

ANSWER	A	B	C
	79.63	34.00	69.02
	7.00	39.32	42.50
	30.41	66.56	4.00
	84.00	86.00	10.23
	10.74	87.00	34.65
	15.28	86.00	19.99
	15.43	33.72	4.00
	64.83		
	61.63	32.88	26.00
	8.00	51.32	58.50
	13.41	53.56	7.19
	64.37	39.09	15.23
	82.00	17.74	57.19
	20.28	70.20	32.99
	14.43	13.00	2.51
	47.83		
	22.00	23.88	56.02
	2.54	21.00	73.00
	17.41	24.00	6.00
	84.37	56.09	26.23
	82.29	15.74	40.19
	24.28	56.20	25.99
	12.43	42.72	5.00
	88.00		

No.	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
1	4.34	6.64	7.46	1.75	7.99	2.83	7.74	4.57	3.04	6.01	1.71	6.66	5.87	2.83	2.87	6.65	5.98	3.05	5.03	6.74	5.27	9.64	8.31	9.03	9.77
2	0.30	0.38	0.61	0.56	0.78	0.55	0.25	0.88	0.64	0.95	0.87	0.74	0.43	0.27	0.89	0.33	0.76	0.43	0.86	0.21	0.49	0.63	0.23	0.75	0.30
3	9.89	9.55	6.85	9.99	8.86	4.36	5.69	8.51	5.56	3.63	2.44	4.73	8.28	8.11	6.87	8.90	3.18	2.89	4.88	4.13	5.90	1.25	1.84	2.74	1.61
4	0.91	0.89	0.25	0.67	0.57	0.44	0.36	0.30	0.88	0.67	0.99	0.88	0.89	0.32	0.68	0.91	0.75	0.83	0.10	0.13	0.48	0.68	0.17	0.37	0.95
5	9.85	8.22	3.51	2.84	1.48	7.34	5.46	8.82	1.19	6.71	3.30	5.87	9.84	3.51	7.01	9.47	7.62	8.18	3.32	6.64	6.31	3.13	6.63	2.56	5.62
6	0.95	0.40	0.20	0.11	0.73	0.21	0.57	0.47	0.57	0.97	0.42	0.42	0.55	0.47	0.79	0.49	0.99	0.89	0.77	0.83	0.41	0.60	0.69	0.90	0.90
7	4.60	5.66	6.58	2.87	9.75	4.78	9.47	6.13	1.93	7.35	8.67	6.46	5.34	1.02	4.72	3.64	4.30	3.60	9.99	6.37	3.56	1.26	9.64	9.36	5.12
8	0.27	0.61	0.77	0.28	0.72	0.83	0.87	0.24	0.36	0.27	0.68	0.27	0.89	0.28	0.38	0.21	0.99	0.12	0.80	0.69	0.12	0.33	0.58	0.69	0.86
9	7.87	8.01	4.01	2.53	4.79	9.80	6.00	9.04	4.48	8.44	4.17	1.89	2.44	9.08	1.81	1.57	3.50	1.75	8.02	9.41	6.15	8.44	3.71	6.90	8.75
10	0.88	0.53	0.85	0.41	0.34	0.90	0.37	0.20	0.82	0.15	0.23	0.38	0.61	0.42	0.56	0.88	0.65	0.57	0.94	0.70	0.37	0.81	0.72	0.12	0.97

ANSWER	A	B	C
	25.86	14.11	51.00
	17.93	16.00	23.04
	26.82	50.16	9.00
	35.15	23.48	24.74
	4.00	34.94	17.00
	16.31	86.00	29.06
	23.52	27.00	34.85
	39.86	11.00	42.09
	14.93	45.01	52.00
	12.00	39.16	1.00
	26.15	14.48	20.74
	48.94	8.00	26.58
	33.05	22.31	11.15
	35.85	49.00	6.61
	53.00	23.06	8.00
	32.52	20.00	22.85
	20.00	21.11	31.09
	13.93	36.01	32.04
	6.75	15.00	11.00
	55.00	6.41	33.58
	12.00	16.72	21.05
	15.15	27.85	15.15
	32.52	20.00	22.85
	16.00	53.00	6.61
	18.00	16.00	55.00
	27.00	34.85	

+/- 2 Marks per question
x/- 1 Mark per question

Time Limit : 8 Minutes / 200 Q

STARS

HALL TICKET

101	7877	X	7	=
102	8913	X	9	=
103	5585	X	3	=
104	5202	X	8	=
105	8560	X	8	=
106	9646	X	2	=
107	2817	X	9	=
108	9599	X	7	=
109	4080	X	5	=
110	5656	X	2	=
111	2740	X	2	=
112	1684	X	8	=
113	8569	X	8	=
114	5568	X	9	=
115	1498	X	7	=
116	7597	X	4	=
117	8258	X	2	=
118	3112	X	2	=
119	3082	X	8	=
120	8042	X	3	=
121	9721	X	4	=
122	2218	X	5	=
123	9631	X	3	=
124	6726	X	6	=
125	3128	X	7	=

36392	89879	55139
85887	85747	80217
12566	13355	16755
41616	16236	31628
84125	68480	81810
12733	17912	19292
31945	25353	42083
89367	67193	89823
25704	20400	34270
11312	17872	18145
1480	5480	4274
10643	13472	16192
68562	87252	85004
35580	50112	87192
10486	13842	17516
19118	41024	30388
16516	12882	16276
8594	8029	6224
24656	16273	41426
24126	30399	41496
12834	38884	30330
11090	18070	15082
28893	51143	38139
69416	32285	40356
21896	38536	14889

126	880	X	40	=
127	991	X	73	=
128	258	X	28	=
129	426	X	32	=
130	213	X	76	=
131	660	X	71	=
132	304	X	53	=
133	859	X	23	=
134	317	X	43	=
135	405	X	57	=
136	927	X	39	=
137	307	X	39	=
138	769	X	65	=
139	749	X	56	=
140	171	X	72	=
141	455	X	18	=
142	781	X	77	=
143	261	X	83	=
144	588	X	82	=
145	771	X	46	=
146	642	X	73	=
147	760	X	55	=
148	377	X	69	=
149	896	X	86	=
150	477	X	57	=

44352	15840	35200
46300	72343	83703
7224	8541	2964
18403	20852	13632
12789	14858	16188
46860	64667	16870
15152	16112	19828
19757	15410	14747
13631	10087	13401
35555	27933	23085
36153	43745	18313
15924	11973	14663
21995	49985	68479
53688	73404	41944
12312	16032	16006
8190	5651	8810
26467	60137	72164
32713	21663	27295
48216	62681	17356
61356	35466	22344
36555	46866	79676
53504	41800	10030
26013	18843	16908
52398	89706	77056
21479	45139	27189

151	1984	÷	32	=	80	62	82	176	2914	÷	47	=	22	62	84
152	710	÷	10	=	31	87	71	177	2492	÷	28	=	39	89	61
153	2856	÷	34	=	66	84	94	178	2926	÷	38	=	77	49	97
154	828	÷	69	=	12	17	19	179	2613	÷	67	=	29	39	69
155	1474	÷	22	=	83	87	67	180	1533	÷	73	=	31	14	21
156	2475	÷	33	=	85	86	75	181	280	÷	14	=	34	26	20
157	4361	÷	49	=	55	99	89	182	220	÷	11	=	35	27	20
158	1890	÷	35	=	66	54	84	183	2673	÷	33	=	81	11	83
159	3240	÷	60	=	54	24	66	184	6417	÷	69	=	88	43	93
160	5896	÷	67	=	38	88	55	185	3526	÷	41	=	86	46	68
161	1488	÷	31	=	65	48	28	186	1320	÷	88	=	20	17	15
162	2025	÷	27	=	85	75	87	187	2726	÷	94	=	29	38	59
163	1125	÷	25	=	45	55	75	188	1820	÷	28	=	48	95	65
164	1892	÷	86	=	32	22	30	189	6887	÷	71	=	64	97	37
165	3332	÷	98	=	25	64	34	190	3800	÷	50	=	76	86	52
166	539	÷	49	=	17	11	18	191	3105	÷	45	=	69	89	90
167	2145	÷	65	=	41	33	53	192	6142	÷	74	=	83	84	33
168	3132	÷	87	=	36	46	66	193	2345	÷	67	=	15	35	28
169	931	÷	19	=	49	19	65	194	7650	÷	90	=	85	60	35
170	2376	÷	72	=	25	13	33	195	2484	÷	27	=	92	22	58
171	4290	÷	66	=	44	65	95	196	5040	÷	80	=	83	63	46
172	2204	÷	58	=	38	18	23	197	3420	÷	76	=	45	34	25
173	1760	÷	20	=	28	61	88	198	2726	÷	94	=	36	29	19
174	1500	÷	30	=	50	10	70	199	630	÷	45	=	19	14	23
175	6545	÷	85	=	77	87	90	200	957	÷	33	=	49	38	29

CHIEF GUEST ON THE OCCASION



CLASS OF 2018



Indian Abacus
PRESS RELEASE

Indian Abacus National level Abacus based Mentalarithmetic and Mindmath competition held on Saturday 7th July 2018 in Chennai Convention Centre A/c., Chennai. Inaugurated by Hon'ble Minister Dr D Jayakumar B. SC., B.L., Minister for Fisheries and Administrative & Reforms, Government of Tamil Nadu. Also seen Mr. N. Basheer Ahamed, CEO, Indian Abacus Pvt. Ltd.,