



INTERNATIONAL CATS CONTESTS

COMPETENCE & APTITUDE TESTING SERVICES



GRADE 9 & 10 ADOLESCENTS

*Time Allowed: 90 Mins.
Maximum Marks: 90*



ICATS IT
CONTEST 2018
QUESTION BOOKLET

ICATS IT CONTEST 2018

ADOLESCENTS (GRADE 9 & 10)

TIME ALLOWED : 90 MINUTES, MAXIMUM MARKS : 90

TOTAL QUESTIONS : 30 MCQS

INSTRUCTIONS

1. DON'T START ATTEMPTING THE PAPER UNTIL INSTRUCTED BY THE INVIGILATORS.
2. INSTRUCTIONS FROM THE EXAMINATION INVIGILATOR MUST BE CARRIED OUT PROMPTLY.
3. CAREFULLY RECHECK YOUR NAME, FATHER NAME, SCHOOL NAME, ADDRESS ETC AT THE BUBBLE SHEET / ANSWER SHEET.
4. RECORD ALL ANSWERS ON THE BUBBLE SHEET ONLY. SELECT BEST ANSWER FROM THE FOUR GIVEN OPTIONS AND MARK ONLY ONE OPTION IN EACH QUESTION.
5. USE BLUE / BLACK INK TO FILL UP THE CIRCLES FOR YOUR ANSWERS ON THE BUBBLE SHEET. USE OF LEAD PENCIL IS NOT ALLOWED.
6. USE OF ANY HELPING MATERIAL INCLUDING CELL PHONES AND ELECTRONIC DEVICES IS STRICTLY PROHIBITED.
7. EVERY CORRECT ANSWER EARNS THREE POINTS. THERE WOULD BE NEGATIVE MARKING. ONE POINT WOULD BE DEDUCTED FOR EVERY INCORRECT ANSWER.
8. CANDIDATES MAY NOT LEAVE THE EXAMINATION ROOM UNESCORTED FOR ANY REASON, AND THIS INCLUDES USING THE WASHROOM.
9. NO MATERIALS OR ELECTRONIC DEVICES SHALL BE BROUGHT INTO THE ROOM.
10. THERE ARE FIVE CATEGORIES OF THE CONTEST AS UNDER:
 - A. TODDLERS (GRADE 1-2)
 - B. KIDS (GRADE 3-4)
 - C. JUNIORS (GRADE 5-6)
 - D. JUVENILES (GRADE 7-8)
 - E. ADOLESCENTS (GRADE 9-10 / O-LEVELS)
11. ONLY REGISTERED STUDENTS CAN PARTICIPATE IN THE CONTEST.
12. NO CANDIDATE SHALL TAKE OUT OF THE HALL ANY ANSWER BOOK(S) OR PART OF AN ANSWER BOOK, WHETHER USED OR UNUSED, OR OTHER SUPPLIED MATERIAL.
13. IF A PARTICIPANT DOES NOT UNDERSTAND A WORD OR PHRASE ON THE EXAM PAPER, NEITHER EXAMINER NOR INVIGILATOR IS PERMITTED TO ANSWER.
14. FOR INFORMATION ABOUT UPCOMING CONTESTS OR PROVIDING VALUABLE FEEDBACK, PLEASE VISIT WWW.CATSCONTESTS.ORG
15. ANY ACADEMIC MISCONDUCT OR MALPRACTICE MUST BE REPORTED TO INTERNATIONAL CATS CONTESTS AT INFO@CATSCONTESTS.ORG

Q1. The first computers used vacuum tubes for circuitry and magnetic drums for memory, and were often enormous, taking up entire rooms. They were very expensive to operate and in addition to using a great deal of electricity, generated a lot of heat, which was often the cause of malfunctions. This generation of computers relied on machine language to perform operations, and they could only solve one problem at a time. Input was based on punched cards and paper tape, and output was displayed on printouts. What generation of computers are we talking about?

A First Generation - 1940-1956:

B Second Generation - 1956-1963:

C Third Generation - 1964-1971:

D Fourth Generation - 1971-Present:

Q2. Though punch cards are so symbolic and have been used for over than 200 years in various fields of expertise, they actually were slow, low-capacity and required a lot of devices, efforts and time for processing. That's why, during the 1960s, the punch card as the primary medium was gradually replaced by better, more capable and more efficient devices. It became the most popular way of storing of computer data until the mid 1980s.

A Magnetic Tapes

B Punch cards

C Floppy disk

D Hard drive

Q3. This seventeenth century scientist, mathematician and philosopher is credited with having built the first adding machine; a programming language is also named after him. What is his name?

A Steve Jobs

B John Backus

C John von Neumann

D Blaise Pascal

Q4. Who is considered father of the internet and now vice president of Google?

A Bill Gates

B Larry Page

C George Bush

D Vinton Cerf

Q5. What is a common resolution for a computer monitor?

A 320x240

B 1024x768

C 3600x2150

D 524x524

Q6. The following are the steps to shutdown a computer. Which of them is/ are correct?

A Click Start button, click ok. Select the Shut down option and click ok, to shut down Windows

B Click Start button, click shutdown, select Shut down option, click ok, to shut down windows.

C Click Start button, click shutdown, select the shut down option and click cancel, to shut down windows.

D Click Start button, click shutdown, select the restart option and click the ok, to shut down Windows.

Q7. There are few keys on the keyboard that are available at two places on it. Now which of the following statements is/are incorrect?

1. Shift keys are found in two places.
2. Backspace keys are found in three places.
3. Spacebar keys are found in two places.
4. Enter keys are two in number on the keyboard.

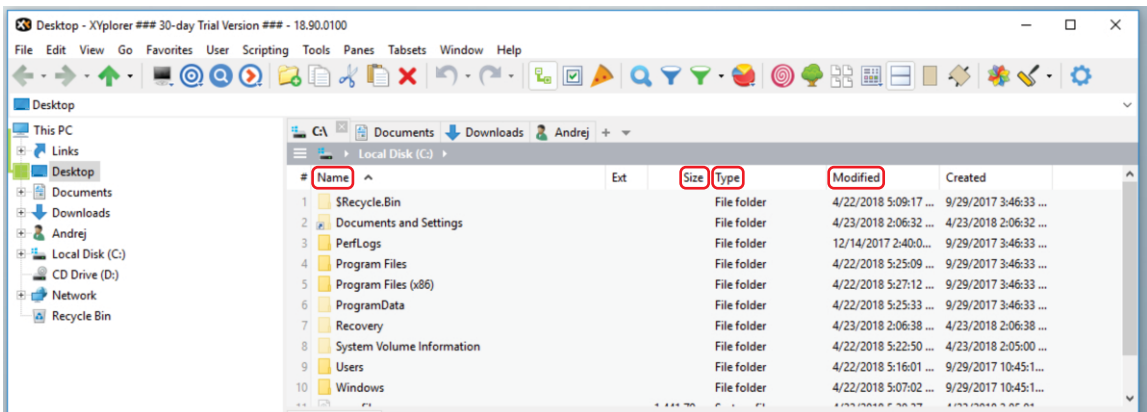
A 1 and 3 are incorrect

B 2 and 3 are incorrect

C 1, 2 and 4 are incorrect

D All are incorrect

Q8. Look at the image below. Where can you click ONCE to automatically sort the files from smallest to largest?



A Name

B Date modified

C Type

D Size

Q9. The best way to move some text from page No. 2 of your document to another part of your essay at page No. 47 would be to

- A** Delete the text and then re-type it.
 - B** Highlight the text, and then drag it into place with the mouse.
 - C** Highlight the text, and press the up or down arrows to move it.
 - D** Highlight the text, press ctrl-x then select the place you would like to text to appear and press ctrl-v
-

Q10. Which program can open the below given file?


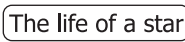
ICATS.jpg

- A** Paint
 - B** Excel
 - C** Word
 - D** Movie Maker
-

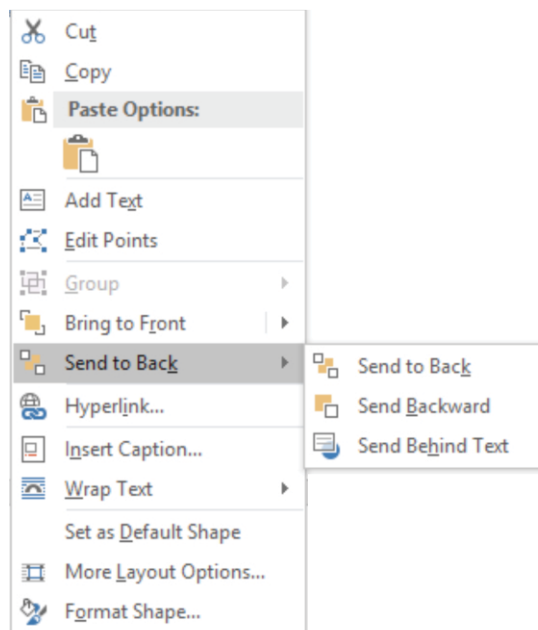
Q11. Taha wants to insert the words "American History" at the top of every page of his 83 page essay. Which of the following is the EASIEST method for him to do this?

- A** He can type the words "American History" onto the first page of the document and then copy and paste it onto all of the other pages.
- B** He can type the words "American History" onto the first page of the document and click on the Header button to repeat it on all of the other pages.
- C** He can type the words "American History" onto the first page after selecting the Header region of the document by clicking the top edge of the page. It will automatically be repeated in all subsequent header regions of the document.
- D** None of the above options are correct.

Q12. In creating the heading for your Science assignment, you carried out the three stages below:

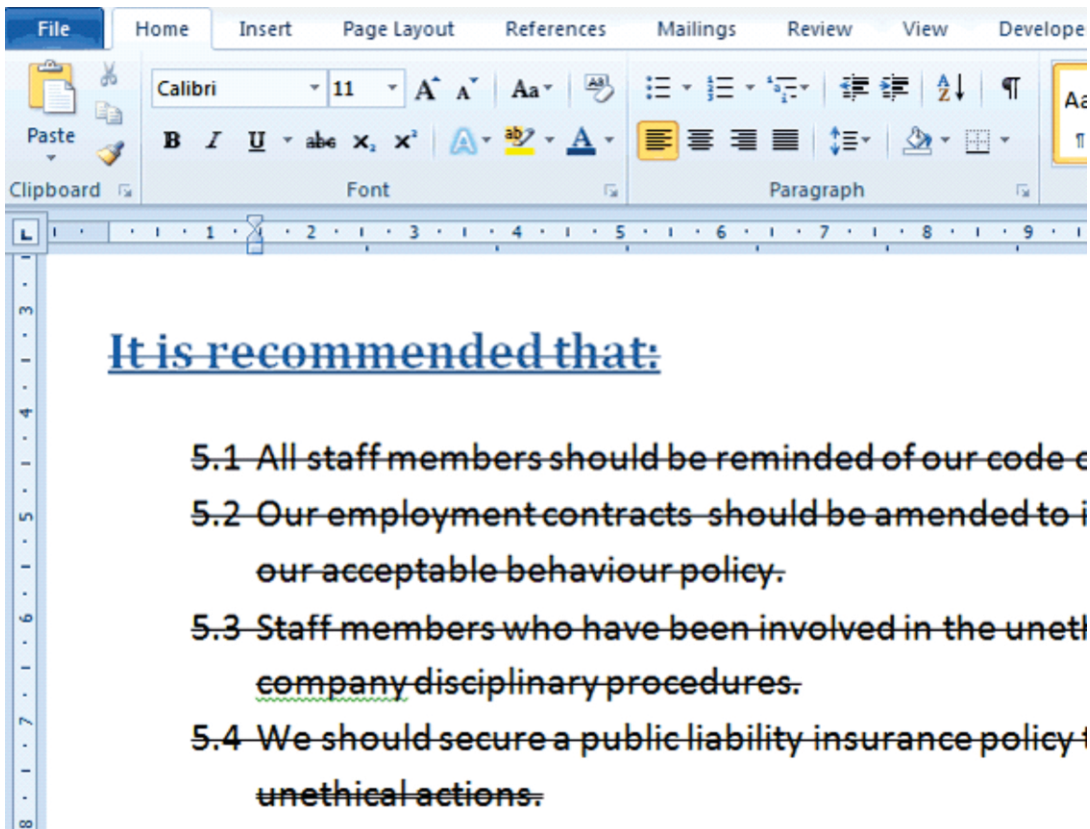
Stage	Screen View	Process
1	The life of a star	Heading text
2		Box added
3		Completed heading

What process did you carry out in Stage 2 to give the screen view shown in Stage 3?



- A** Bring to Front **B** Send to Back **C** Send Backward **D** Send Behind Text

Q13. Study the screenshot below. How would you remove the lines through the text?



- A** Use the Clear Formatting button to remove the Strikethrough effect.
- B** Press Ctrl+Shift+n to return the formatting to the default font formatting for the document.
- C** Select the text and toggle the Strikethrough button to 'off'.
- D** All of the above are correct.

Q14. You wish to see what each Font type will look like applied to the heading of your document. Which of the following is the **QUICKEST** way for you to do this?

- A** By hovering your mouse cursor over each font name in the Font list to see what it will look like before being applied to selected text.
 - B** Use the Shift+F3 shortcut to quickly cycle through each available font type to see what it will look like when applied.
 - C** Select each font by clicking it to apply it to the heading text. Keep changing it until you find something you like.
 - D** All of the above options will work equally efficiently.
-

Q15. To quickly move back to the first cell of your worksheet (usually A1), which shortcut combination would you use?

- A** I would press Ctrl+Up Arrow Key.
- B** I would press Ctrl+Page Up.
- C** I would press Ctrl+Home.
- D** I would press Ctrl+Space.

Q16. Study the highlighted cells in the image below and identify which of the following represents the correct cell address for these cells:

	A	B	C	D	E	F
7	Total sales	50000	78200	89500	91250	308950
8	Cost of sales	25000	42050	59450	60450	186950
9	Gross profit	25000	36150	30050	30800	122000
10						
11	Overhead	7500	7520	5620	3520	24160
12	Marketing	7000	6630	4500	3200	21330
13		14500	14150	10120	6720	45490
14	Net profit	10500	22000	19930	24080	76510
15	Profit %	21	28	22	26	25
16						

- A** The cell reference for the selected cells is B:21, C:28, D:22, E:26 and F:25.
- B** The cell reference for the selected cells is row 15, column F
- C** The cell reference for the selected cells is F4:F5
- D** The cell reference for the selected cells is B15:F15

Q17. The Recent Workbooks list located in the Backstage View shows all workbooks recently opened. What action can I take to ensure a workbook remains on this list regardless of how many workbooks I opened subsequent to opening this workbook?

- A** I can save the Workbook to the Recent Workbooks folder.
- B** By adding the Workbook to My Favorites on the Quick Access Toolbar.
- C** The Recent Workbooks list automatically keeps all workbooks that have been opened and I do not need to do anything.
- D** By 'pinning' the workbook to the Recent Workbooks list by clicking the pin icon located next to it.

Q18. Which of the following is NOT a paste option in Excel?

- A** Paste values – pastes the values of the copied cells only.
- B** Keep source formatting – pastes the copied cells in the same format as what the originals are formatted in.
- C** Paste zeros – replaces copied text with zeros containing the same number of decimals as the originals.
- D** Paste link – pastes a link to the cell containing the original value.

Q19. A user wanted to create a numbered list 1 -10. When he used the Autofill Handle it created a list of 10 number 1s (as pictured below). What is the solution?

	A	B	C	D	E
1	NO.	Participant			
2	1				
3	1				
4	1				
5	1				
6	1				
7	1				
8	1				
9	1				
10	1				
11	1				
12					
13					

- A** Insert the formula =Sum(1) in the first cell before using the Autofill handle to increment each successive fill by 1 step.
- B** On the Home tab, go to the Editing group and click the Fill button.
- C** Select cells A2 to A11. On the Home tab select Merge and Centre to create a numbered list.
- D** Click on the Autofill Options icon that appears just after completing an Autofill and select 'Fill Series' from the options.

Q20. Which of the following describes the group of cells that are highlighted?

	A	B	C	D	E	F	G
1		Employee 1	Employee 2	Employee 3	Aggregate Value		
2	Monday	\$4,356	\$5,674	\$3,674	\$13,704		
3	Tuesday	\$3,453	\$7,893	\$8,796	\$20,142		
4	Wednesday	\$6,783	\$9,870	\$2,674	\$19,327		
5	Thursday	\$6,784	\$5,647	\$7,768	\$20,199		
6	Friday	\$2,387	\$8,768	\$8,876	\$20,031		
7	Saturday	\$9,878	\$8,796	\$2,341	\$21,015		
8	Aggregate Value	\$33,641	\$46,648	\$34,129	\$114,418		
9							
10							

A Column

B Line

C Pie

D Area

Q21. Suppose that the class grade for a six-week period is based on 3 tests (T1, T2, T3), each of which counts for 15%, 4 quizzes (Q1, Q2, Q3, Q4), each of which counts for 10%, and a homework notebook (HW), which counts for 15%. The grades are recorded in a spreadsheet similar to the one below.

	A	B	C	D	E	F	G	H	I	J
1	Name	T1	T2	T3	Q1	Q2	Q3	Q4	HW	AVG
2	Jane	87	92	80	76	79	87	74	90	
3	Joe	91	85	77	78	88	96	90	92	
4	Bill	64	72	70	80	81	74	77	80	
5	Brenda	96	88	91	76	91	100	74	98	

Which of the following formulas would NOT be a correct calculation of the six-week weighted average for Jane?

A =B2*0.15+C2*0.15+D2*0.15+E2*0.1+F2*0.1+G2*0.1+H2*0.1+I2*0.15

B =(B2+C2+D2+I2)*0.15+(E2+F2+G2+H2)*0.1

C =((B2+C2+D2+I2)*1.5+(E2+F2+G2+H2))/10

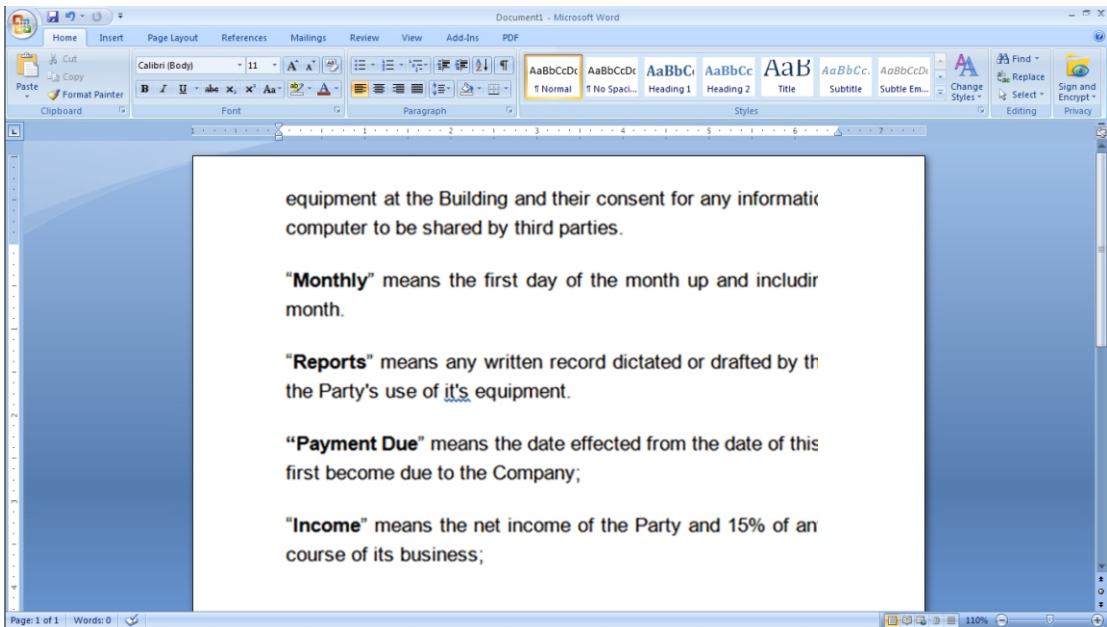
D =(B2+C2+D2+I2)/15+(E2+F2+G2+H2)/10

Q22. It is important to keep in mind what the three things are you would like your audience to remember when walking away from your presentation. How can you ensure you bring these three points across clearly?

- A** If you plan your presentation around the main points you wish to make and have a clear goal in mind for the purpose of the talk.
 - B** If you repeat the slides and bullets a few times to ensure the audience remembers them.
 - C** If you use controversial, awesome, amazing or unique gimmicks in your PowerPoint slides, your points will be memorable.
 - D** If you use stunning graphics, fonts, slide transitions and animations, your points will be memorable.
-

Q23. To resize an object both in width and height in a power point presentation slide, which of the following options will be successful?

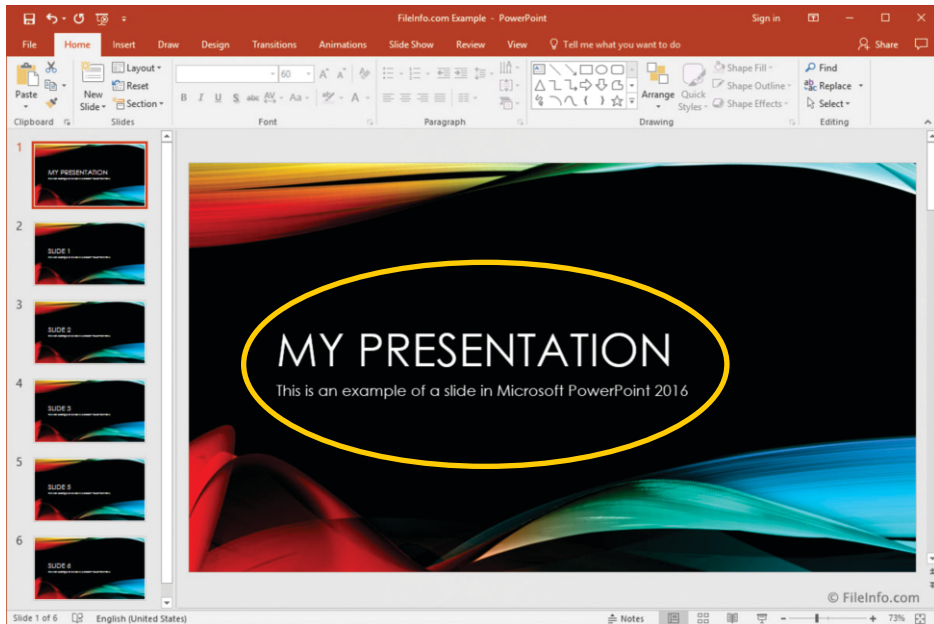
- A** Select the object and then drag any of the corner handles of the object to resize it.
- B** Set a value for the width and a value for the height of an object in the Size group under the Format contextual tab.
- C** Right click the object and select Size and Position from the menu list. Set a height and width value in the Sizes boxes.
- D** All of the above options are correct.



Q24. Study the screenshot above. What does the blue wavy line underneath the word "it's" mean? Choose the most correct option:

- A** There is a spelling error.
- B** There is a language error.
- C** The word is used incorrectly.
- D** None of the above options are correct.

Q25. Which PowerPoint feature will allow you to make only the yellow circled word to fly in from the left?



A Transitions

B Animations

C Themes

D SmartArt

Q26. How can the risk of unauthorized computer system access be reduced?

A By installing anti-spam software

B By using a firewall

C By setting up a WAN

D By encrypting all data stored in the system

Q27. Students in a Texas classroom have been communicating with a class in New York by videoconference. The two classes find that the images they receive from each other occasionally freeze for up to 30 seconds before the video continues. This type of problem can most often be solved by

A increasing bandwidth

B upgrading cameras

C increasing video resolution

D upgrading monitors

See the image below and answer question 28.

iamchris@hotmail.com

To: bob@hotmail.com

Cc: barry@ozemail.com.au

Bcc: roger@yahoo.com; lisa@msn.com

Subject: computing skills assessment

Attachments: Add/Edit Attachments

Quick Address List
To use the Quick Address List, populate your Address Book!

Q28. Which of the following statements is correct?

A Barry knows that Roger and Lisa were sent the email.

B Bob knows that Roger and Lisa were sent the email.

C Roger knows that Bob and Barry were sent the email.

D None of the recipients knows who sent the email.

Q29. What is the name of the device given below?



A Network adapter

C Wireless router

B Transmitter

D Wireless adapter

Q30. What is the correct HTML for inserting an image?

A ``

C ``

B ``

D ``

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A series of 20 horizontal lines spaced evenly down the page, providing a writing area.

ICATS English Linguistics Contest 2018 National Toppers

Student Name	Father Name	Grade	School	City
FIMAAN TASSADDUQUE	ROSHAAN TASSADDUQUE	1	KOHINOOR GRAMMAR SCHOOL	FAISALABAD
MUSA NOOR	NOOR NABI	1	FOUNDATION MONTESSORI SCHOOL	BAHAWALPUR
ZAINA KHAN	MUNAWAR AHMED	1	BEACONHOUSE SCHOOL SYSTEM (BKI F-7/4)	ISLAMABAD
MALIK-AL-ASHTER	KHAN MURTAZA	2	MSB INSTITUTE-SHABBIRABAD	KARACHI
JAWAD ALI	MUHAMMAD ASSAD	2	JOINT STAFF PUBLIC SCHOOL AND COLLEGE CHAKLALA	RAWALPINDI
M. ASAD HUSSAIN	SYED M. ASIF HUSSAIN	2	USMAN PUBLIC SCHOOL SYSTEM (CAMPUS XVI)	KARACHI
HIJAB FATIMA	IRFAN QADIR	3	BEACONHOUSE ALLAMA IQBAL TOWN CAMPUS	LAHORE
ZAINEB NADEEM	NADEEM AFZAL	4	KOHSAR CHILDREN'S ACADEMY	MANSEHRA
MARIA FAISAL	FAISAL SALEEM	5	THE CITY SCHOOL GIRLS BRANCH SATELLITE TOWN	RAWALPINDI
IBRAHIM SALMAN	SALMAN RASOOL	6	LAHORE GRAMMAR SCHOOL FAISAL TOWN BRANCH	LAHORE
KHADIJA IMRAN	IMRAN MAGRANI	7	D. A PUBLIC SCHOOL (O/A LEVELS) SEAVIEW	KARACHI
LAIBA MASOOD	MASOOD ABBAS	8	USMAN PUBLIC SCHOOL SYSTEM (CAMPUS 1)	KARACHI
EMAAN IFTIKHAR	IFTIKHAR AHMAD	9	BEACONHOUSE SCHOOL SYSTEM PTC GIRLS BRANCH	GUJRANWALA
AYESHA NADEEM	MUHAMMAD NADEEM	10	USMAN PUBLIC SCHOOL SYSTEM (CAMPUS VIII)	KARACHI

ICATS Mathematics Contest 2018 National Toppers

Student Name	Father Name	Grade	School	City
AMAN ALI AHMAD	MUHAMMAD WASIM	1	LAHORE GRAMMAR SCHOOL (LANDMARK PROJECT)	LAHORE
MIAN AZAAN MAQBOOL	DANISH MAQBOOL	2	ARMY PUBLIC SCHOOL GARRISON JUNIOR	LAHORE
SHAHEER AFZAL	JAVED AFZAL MARWAT	3	ARMY PUBLIC SCHOOL (TODDLERS ACADEMY)	PESHAWAR
MUHAMMAD AHMED	ASMAT ALI	4	ARMY BURN HALL SCHOOL AND COLLEGE (FOR GIRLS)	ABBOTTABAD
M. MURTAZA ZAIDI	BABER ALI	5	BEACONHOUSE ALLAMA IQBAL TOWN CAMPUS	LAHORE
RAJA SAAD ALI	RAJA AAMIR	6	HITEC SCHOOL & COLLEGE FOR BOYS CANTT	TAXILA
ZAID BIN HAROON	M. HAROON RAFIQUE	7	THE SCIENCE SCHOOL	RAWALPINDI
WALEED AHMED	M. ATIQ	8	KIPS SENIOR BOYS CAMPUS JOHAR TOWN	LAHORE
M. RAYAN ABID	M. ABID MUNEEER	9	SIR SYED SCHOOL AND COLLEGE (CAMPUS IV)	WAH CANTT
IMTIAZ KHAN	DADA KHAN	10	AGA KHAN HIGHER SECONDARY SCHOOL	GILGIT

Compete
if you are the best