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Past Papers
ICATS IT CONTEST
Grade 7-8
2017-2019

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ICATS IT CONTEST 2017
JUVENILES (GRADE 7 & 8)
TIME ALLOWED : 90 MINUTES
MAXIMUM MARKS : 90
TOTAL QUESTIONS : 30 MCQS

INSTRUCTIONS

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3. WRITE YOUR NAME, FATHER NAME, SCHOOL NAME, ADDRESS ETC AT THE BUBBLE SHEET (ANSWER SHEET) ONLY.
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15. ANY ACADEMIC MISCONDUCT OR MALPRACTICE MUST BE REPORTED TO INTERNATIONAL CATS CONTESTS AT INFO@CATSCONTESTS.ORG

Q1. The processing speed of first generation computers was

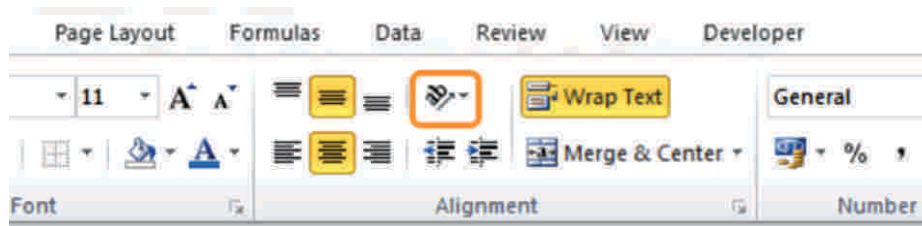**A** milliseconds **B** microseconds **C** nanoseconds **D** picoseconds

---

Q2. Which of the following computer language is used for artificial intelligence?

A FORTRAN **B** PROLOG **C** C **D** COBOL

Q3. Which one of the following symbols is used for processing to make a flowchart of a program

A **B** **C** **D**

Q4.

What will happen to cells I have selected if I press the button circled in orange in the section of the Ribbon pictured above?

**A** Nothing. Pressing this button will give you options to change the orientation of text in your cell(s).

B The alignment of text in your selected cell(s) will change to match that of the 'ab' pictured on the button.

C Your text will change to lowercase letters

D None of the above options are correct.

Q5. Study the screenshot below this question. Which shortcut key combinations would you use to quickly select the column or the row that the selected cell (E11) is situated in?

A Ctrl+Space and Shift+Space

B Ctrl+Shift+Space and Ctrl+Space

C Ctrl+Shift and Ctrl+Space

D Ctrl+a and Ctrl+Shift+a

Q6. Study the image below. Which of the following actions will allow you to exit the Backstage View and continue working in the actual workbook?
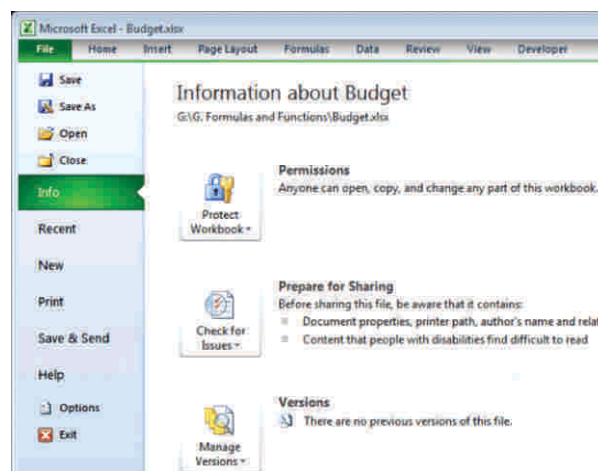
A Pressing the Home tab.

B Pressing the Exit button.

C Pressing the Close button.

D All of the above options are correct.

Q7. Study the image of a sample worksheet below this question. Which view type does this represent?

A The Normal View

B The Page Layout

C The Page break View

D The Zoom View

Q8.

Which action did you not perform if the Paste button is greyed out and you cannot press it - as pictured in the image above?

A It is not possible to copy and paste the numbers or text you wish to perform this function for.

B You have not selected the cells where you wish to paste the content.

C You have selected too many cells to copy and paste and need to select one cell at a time.

D You have not copied anything or you have pressed the Escape key before pasting.

Q9.

Study the screenshot above. Which of the following functions, when inserted in the highlighted cell (C2) above, will return the word "yes" ?
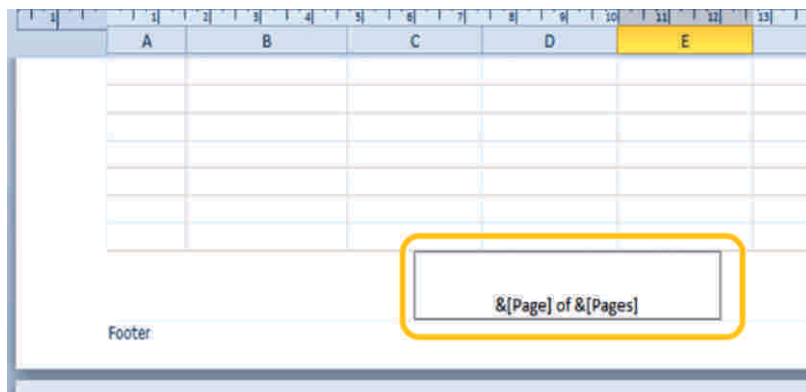
A =IF(B2>50,"yes")

B =IF(C2="yes")

C =IF(B2=C2, "yes")

D =IF(B2=50, "yes")

- -

Q10. Study the area circled in orange in the image below. This is a page number that was inserted using the page number buttons in the Design tab in the Page Layout View. Which of the following represents what this text will look like when printed?

A &[Page] of &[Pages]

B Page 1

C 1 of 2

D Page 1 of 2 Pages

Q11. Study the image of a sample worksheet below this question. If you wanted to navigate to the cell reference G29, which of the following methods could you use?


A Use the Control key together with the scrolling wheel on your mouse to scroll down to cell G29.

B Use the down arrow direction key on the keyboard, holding it down or pressing it repeatedly to get to cell G29.

C Use the vertical scroll bar on the right-hand side of the screen to scroll down so that you may view and select cell G29.

D All of the above are correct.

Q12. For correct keyboarding, what is the recommended placement of fingers on the home row keys?

A fingers of the left hand on A-S-D-F and fingers on the right hand on J-K-L-;

B fingers of the right hand on A-S-D-F and fingers on the left hand on J-K-L-;

C fingers of the left hand on A-S-E-F and fingers on the right hand on J-K-O-P

D fingers of the left hand on Q-W-E-R and fingers on the right hand on U-I-O-P

Q13.
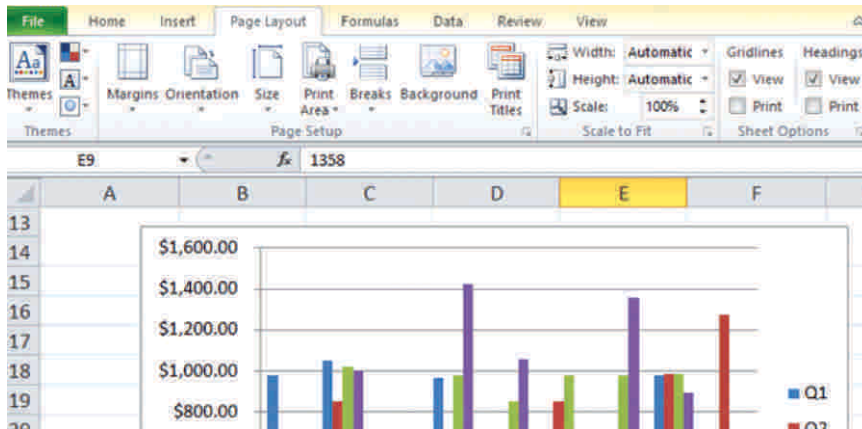
Study the screenshot above. Raoul was busy working on a chart in Excel using design, layout and format options that he found on the Ribbon under separate similarly-named tabs. However, these tabs have now disappeared and he cannot find the options again. What can Raoul do?

A   He needs to click on the chart for the tabs to reappear.

B   He needs to exit the worksheet and go back in again.

C   He needs to click on the Insert tab to access these options.

D   He needs to click on the Home tab to access these options.

Q14.

Study the example above. How can you activate and use the Autofill option to copy the contents of cell B2 down to B50?

A   Select cells B2 to B50, right click and select Autofill.

B   Drag the Autofill Handle located at the bottom right-hand corner of the selected cell down to cell B50.

C   Go to File and select Options – Advanced Options. Go to the General section and select the AutoFill Options button to create this fill.

D   Autofill can only be used to create series or sequences. You cannot use it to copy data.

Q15. The Fill Handle located at the bottom right-hand corner of a selected cell has multiple uses. Which of the following is NOT a function of the Fill Handle?

	D4			f_x	=SUM(B4,C4)	
	A	B	C	D		E
1	Project	Unit Cost	Labour	Total		
2	78.5	$52.00	$18.00	$70.00		
3	92.3	$103.00	$63.00	$166.00		
4	22.1	$25.00	$8.00	$33.00		
5	565	$36.00	$2.00	$38.00		

A Copy a formula from one cell into cells adjacent to it.

B Copy formatting from one cell into cells adjacent to it.

C Enlarge the section of a table containing values.

D Automatically fill sequences such as days of the week, months or numerical values.

Q16.

	A	B	C	D
1		Expense Sheet		
2	Jun-15			
3				
4	1	#REF!		
5	2	#REF!		
6	3	#REF!		

Study the screenshot above. Miley copied values from a different worksheet and pasted it into column B of her expense sheet. However, when she pastes it, the above errors appears. What is happening and how can she fix it?

A She used Relative References instead of Absolute References in her formulas. If she changes to Absolute references the problem will be resolved.

B She copied and pasted the incorrect cells. To prevent errors in copying and pasting cell values, she should use the Fill Handle.

C She copied cell formulas instead of values. She should copy and paste the cells again and select Paste Values from the Paste Menu.

D She used Absolute References instead of Relative References in her formulas. If she changes to Relative references the problem will be resolved.

Q17. A client emails you and informs you that they were unable to open a workbook you sent them as they still use MS Excel 2003. Which of the following options will quickly resolve this issue and allow the client to open the workbook?

A They will need to install MS Excel 2010 or use someone else's software in order to open the workbook.

B You can use the Save As function to select a Save As Type: Excel 97-2003 Workbook.

C If you open the workbook, you can go to the client and copy and paste all the content into their version of Excel.

D If you rename your workbook: "Excel 2003", this will allow the client to open the file.

Q18. Which of the following statements about the Print Preview is true?

A It allows you to view what your document will look like before you physically print the pages.

B You access the Print Preview area of the Backstage View by pressing: Control + P.

C You access the Print Preview area by clicking on the File button to go to the Backstage View and then on the Print button.

D All of the above statements are correct.

Q19.
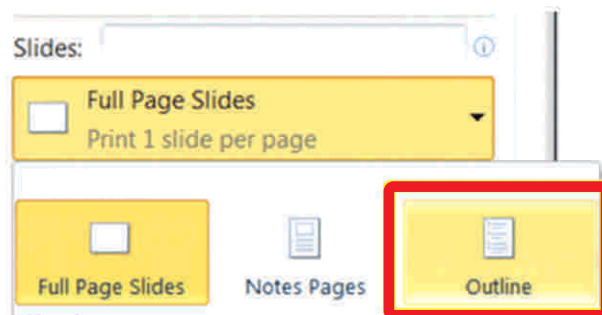
Study the screenshot above. Where will you find these options. Specifically the option circled in red?

A Under the View tab on the Ribbon in the Presentation Views group.

B in the Backstage View in the Print Panel.

C In the PowerPoint Options dialogue box.

D In the Outline Panel in the Normal Slides View.

Q20.

Study the screenshot above. Which view type do you think this is and what is it most useful for?

A It is called the Outline View and is perfect for viewing all the slides in a presentation.

B It is called the Slide View and is perfect for reorganizing slides in a presentation.

C It is called the Slide Sorter and is perfect for reorganizing slides in a presentation.

**D** It is called the Slide Master and is perfect for viewing all the slides in a presentation.

Q21.
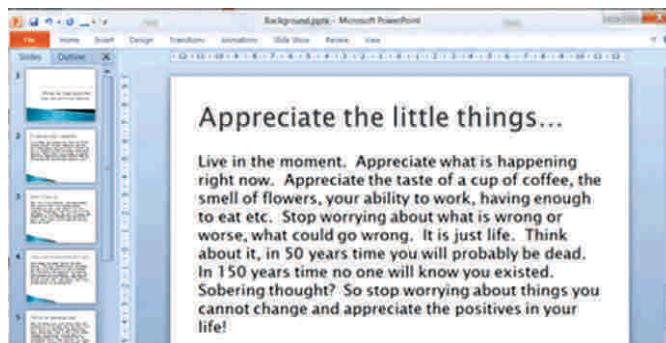
Study the screenshot above. Charles leaned over his laptop to answer the telephone and now all the buttons on the Ribbon has disappeared although the tab names are still visible. What happened and what is the solution?

A He has deleted the Ribbon. He needs to close PowerPoint and re-open the program.

B The slide view is set to Zoom. He needs to zoom out of the slide in order to get the Ribbon back.

C The Ribbon is minimized. He needs to right-click the tabs still visible and click on: Minimize the Ribbon, to deselect it.

D The Ribbon is disabled. He needs to click on File, launch Options and find the Display Ribbon function.

Q22.
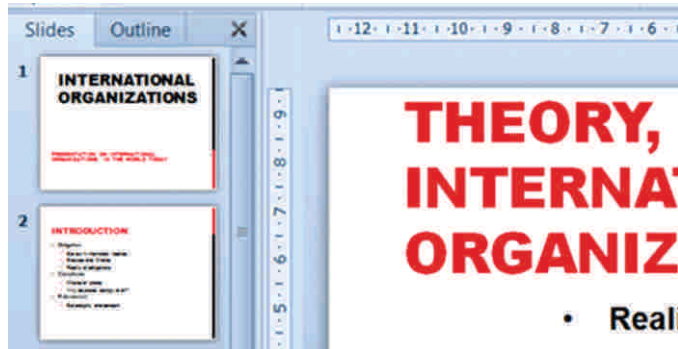
Study the screenshot above. To insert a copied slide between the current slides 1 and 2, where must you position your cursor before pressing the Paste button?

A. Select Slide 1 and then press Paste. This will make the pasted slide the new Slide 2 in the presentation.

B. Select Slide 2 and then press Paste. This will make the pasted slide the new Slide 2 in the presentation.

C. Position your cursor between the current Slide 1 and 2 before pressing Paste.

D. All of the options listed above are incorrect.

Q23.

Peter is doing a report back on his trip to Belfast in Ireland and want to add some reminders for himself on what to say when each photo is displayed. How can he do this?

A. He can add textboxes and titles to each slide to remind him.

B. He can add text reminders to each photo slide in the Notes panel below the slide.

C. He can use the Outline function in PowerPoint to create an outline for his talk.

D. He can write separate notes for himself using pen and paper and use it during the talk.

Q24.
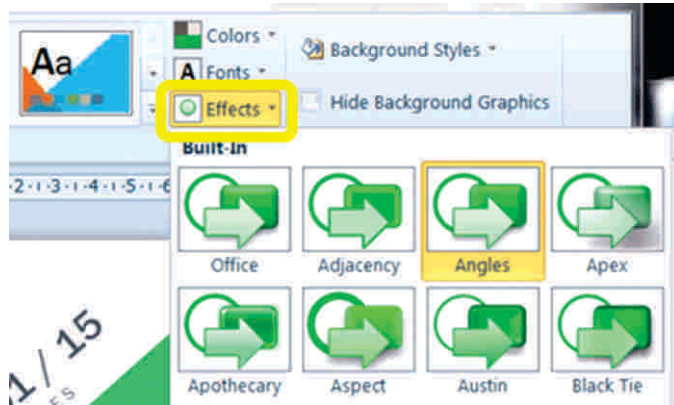
Study the screenshot above. What is the purpose of the Effects button (circled in yellow) in the Themes group?

A The Effects button, when pressed, offers animation effects for elements on the current slide.

B The Effects button, when pressed, offers built in formatting effects for graphical element such as smart art, shapes and graphs.

C The Effects button, when pressed, offers collections of shapes in different colors to choose from and insert in your slides.

D None of the above options are correct.

Q25. Study the screenshot below. What is the purpose of the green handle circled in yellow?
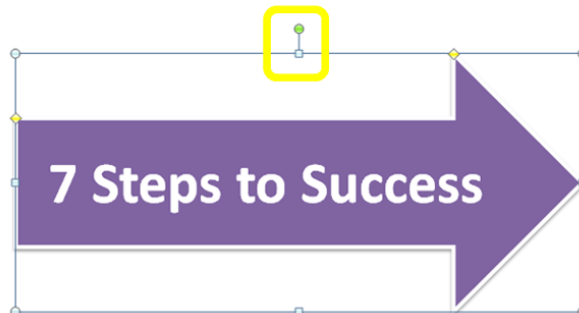
A Click this handle to resize the image by increasing its width.

B Click this handle to rotate the image.

C Click this handle to move the image.

D Click this handle to resize the image by increasing its height.

Q26.

Study the screenshot above. Casey selected the Angles theme from the Themes Gallery. Is it possible for her to change the theme's color from orange and blue to green?

A Yes, by clicking on the Colors button in the Themes group under the Design tab, she can select a green color scheme.

B Yes, by clicking on the Background Styles button in the Background group under the Design tab, she can select a green background.

C No, the color scheme is built into the theme and cannot be changed. She will need to change the theme to a green theme.

D Yes, by clicking on the different parts of the background to select it and change the color of each to green.

Q27. In the URL http://www.catscontests.org, which part is the protocol name?

A http

B www

C .org

D catscontests

Q28. Which of the following is/are the advantages of bus topology?

A Less expensive than a star topology due to less footage of cabling and no network hubs

B Good for smaller networks not requiring higher speeds

C Difficult to troubleshoot fault at individual station

D All of the above

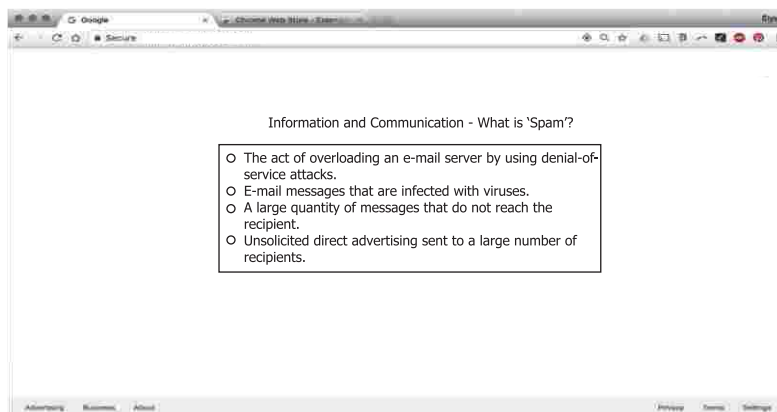**Q29.** Consider the following two statements:

Statement A: Universal Serial Bus (USB) drive is a serial bus standard based interface.

Statement B: USB does not require any expansion card to connect any peripheral to the computer.

Which of the following is correct with respect to the above statements?

A Statement A is correct.

B Statement B is correct.

C Statement A and B both are correct.

D Neither statement A nor statement B is correct.

Q30. In html, how can you justify a paragraph in your web page?

Information and Communication - What is 'Spam'?

○ The act of overloading an e-mail server by using denial-of-service attacks.
○ E-mail messages that are infected with viruses.
○ A large quantity of messages that do not reach the recipient.
○ Unsolicited direct advertising sent to a large number of recipients.

A P='justify' **B** Align='justify' **C** P align='justified' **D** P align='justify'

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Answer Sheet

INSTRUCTIONS

- This is a generic answer sheet to be used by participants of all grades. Students of Grade 1-2 will fill in circles of first 20 questions, Grade 3-4 will fill in circles of 25 questions and Grade 5-10 will fill in circles of 30 questions.
- Please recheck your Name, Father Name, Grade and School written below, the same would appear at your certificate.
- Use of lead pencil is not allowed.
- Use only Black / Blue ink to fill in the circles.

ICATS IT Contest 2017
Grade 7-8

Choose only ONE of the FOUR proposed answers (A, B, C or D) and fill in the circle with your answer.
Example of correctly filled table of answers.

(A) (B) ● (D) Correct Filling Answer **"C"**   (A) (B) ⊗ (D) wrong filling   (A) (B) ● (D) wrong filling

(A) (B) ⊘ (D) wrong filling   (A) (B) ● (D) wrong filling

Q. No.	Answer	Q. No.	Answer	Q. No.	Answer
1	● B C D	11	A B C ●	21	A B ● D
2	A ● C D	12	● B C D	22	● B C D
3	● B C D	13	● B C D	23	● B C D
4	● B C D	14	A ● C D	24	A ● C D
5	● B C D	15	A B ● D	25	A ● C D
6	● B C D	16	A B ● D	26	● B C D
7	A B ● D	17	● B C D	27	● B C D
8	A B C ●	18	A B C ●	28	A B C ●
9	● B C D	19	A ● C D	29	A B ● D
10	A B ● D	20	A B ● D	30	A B C ●

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GRADE 7 & 8
JUVENILES

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ICATS IT
CONTEST 2018
QUESTION BOOKLET

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Q1. Leibniz built on Pascal's work by creating the Leibniz Wheel. This device was capable of what kind of calculations in addition to the ones Pascal's could do?

A Subtraction

B Addition and Multiplication

C Subtraction and Multiplication

D Multiplication and Division

Q2. Name the four important elements of Babbage's Engine that are components of today's computer.

A The stored program technique, an input device, an output device, and memory

B Mechanical calculation equipment, human-powered mechanisms, punched cards, and an output device.

C An input device, memory, a central processing unit, and an output device

D An input device, the stored program technique, a central processing unit, and an output device.

Q3. CTRL + C is the keyboard shortcut for

A Copy

B Paste

C Cut

D None of these

Q4. You want to copy the 'Downloads' and 'Screen' folders to save them on another drive.
Which key should you use in combination with the mouse in order to select both folders?
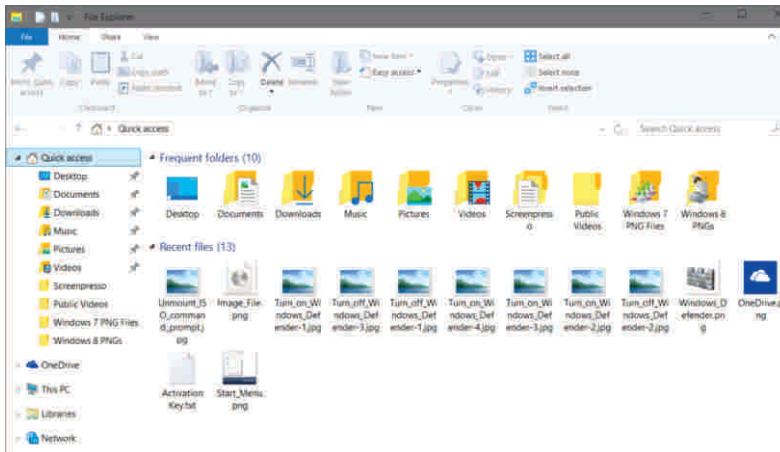
A Ctrl

B Tab

C Alt

D Esc

Q5. Toolbars contain icons representing commonly used commands. The same commands can be found ...

A Nowhere

B In the menus

C At the bottom of the screen

D On the desktop

Q6. Fill in the blanks:

_____ is a set of command and program. _____ is a set of data. _____ is a place where files are kept. _____ is a symbol which you view on the computer screen.

A Icon, folder, file, OS

B OS, folder, icon, File

C OS, file, folder, icon

D File, OS, icon, folder

Use the below given information to answer questions 7 and 8.
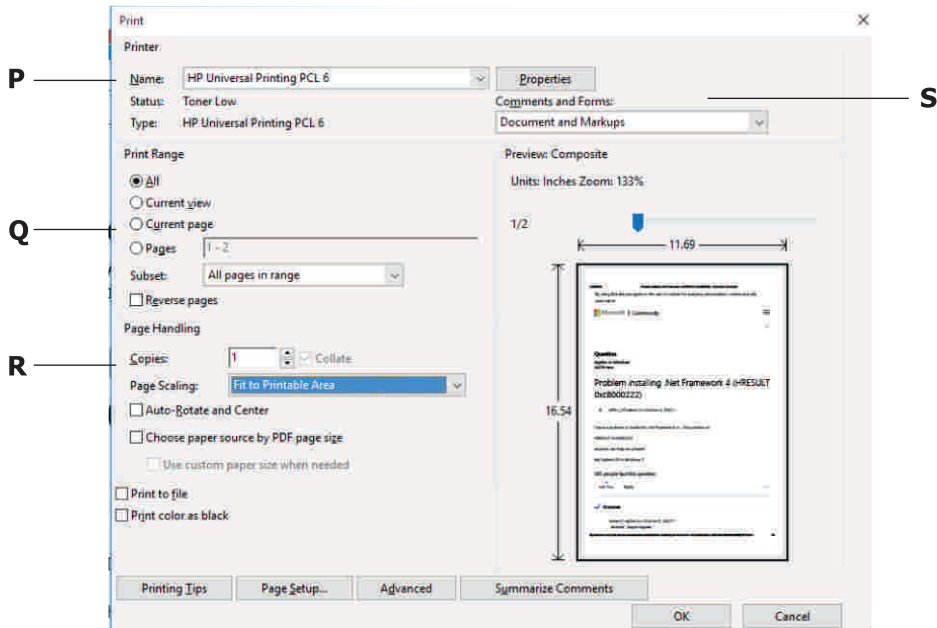
Q7. In your Mathematics lesson, you created a slide presentation.
You want to change printer before you print the slide presentation.
Which option, P,Q,R or S, will allow you to do this?

A   P
B   Q
C   R
D   S

Q8. How many slides have been selected for printing?

A   1
B   2
C   3
D   6

Q9. **Yesterday, in your music class you saved your compositions as MP3 files. Today, you cannot remember where you saved them.**

Which is the best way to locate the files?

A Create the files again.

B Ask the person next to you.

C Use the Find or Search feature.

D Put your hand up and ask the teacher.

Q10. **You want to add a graphic from a file to your history assignment.**

Which menu command would achieve this?

A

B

C

D
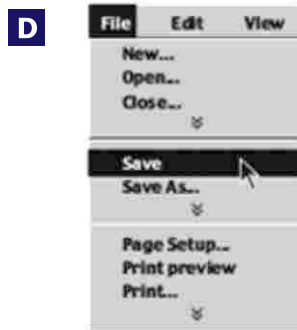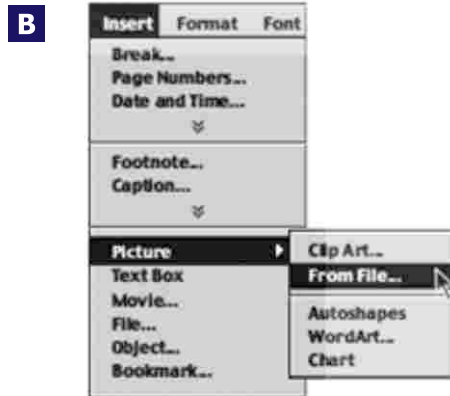
Q11. Given below are the statements about formatting the text. Select the correct statement.

1. In MS Word, formatting the text refers to changing the look of the text and applying various styles such as bold, italic, underline, etc.

2. After creating a document, you cannot move a single word or a line or a whole paragraph to a new location in the document.

3. Making changes and corrections in a document with a word processor is very complex.

A 1 and 2   **B** 1 and 3   **C** 2 and 3   **D** Only 1

Q12. The text between X and Y has been formatted differently.

What has been used at X and Y to allow this to take place?

Australia

A unique land

Australia is a continent of contrasts. Its interior is brown, burnt by the sun and parched of water. Its plants and animals are for the most part quite different to those of the rest of the world.

X

| The Gold Coast is 42 km of white sand beach, which runs from the NSW border | to Southport, south of Brisbane. It offers a full range of entertainment. | It is a great place for families and young children, with lots of theme parks. |

Y

Kakadu National Park is a World Heritage Site, famous for its waterfalls, rockpools, birdlife and vegetation. A cruise along the river takes you through a series of gorges. The red sandstone canyon walls rise steeply up 60 metres from the cool waters of the Katherine River.

A Columns   **B** Gutters   **C** Page breaks   **D** Section breaks

Q13. Starting with the letter in Figure 1, and following the changes shown, what sequence was used to complete the task?

Figure 1   Figure 2   Figure 3   Figure 4

A Rotate vertical, flip right, distort

B Rotate left, flip horizontal, resize

C Rotate horizontal, flip right, resize

D Rotate right, flip horizontal, distort

The text in Figure 1 was reformatted to the text in Figure 2.

Australia is a continent of contrasts. Its interior is brown, burnt by the sun and parched for water.

Australia is a continent of

contrasts. Its interior is

brown, burnt by the sun and

parched for water.

Figure 1   Figure 2

Q14. Which of the following was used to achieve the new formatting?

A
Spacing
Before: 12 pt
After: 0 pt

B
Indentation
Left: 12 pt
Right: 0 pt

C
Line spacing: Double   At:

D
Alignment: Left

Q15. Lucy is writing her dissertation. She wants to know how many words she has so far. Study the screen shot of her program window below. Which of the following would be the quickest solution for her?

DISSERTATION – Lucy Smith

Inserting Styles in Microsoft Word

On the Insert tab, the galleries include items that are designed to coordinate with the overall look of your document. You can use these galleries to insert tables, headers, footers, lists, cover pages, and other document building blocks. When you create pictures, charts, or diagrams, they also coordinate with your current document look. You can easily change the formatting of selected text in the document text by choosing a look for the selected text from the Quick Styles gallery on the Home

Section: 1   Page: 1 of 18   English (U.K.)   Track Changes: Off

A If she right clicks on the Status Bar and select 'Word Count' it will display the number of words in her document.

B If she clicks on Word Count on the Status Bar it will display the number of words in her document.

C If she selects her whole document and click on Word Count in the Status Bar it will display the number of words in her document.

D If she moves the Vertical Scroll Bar down to the end of the document and then click on Word Count in the Status Bar, it will display the number of words in her document.

Q16. You want to use an image you found on a website in a word document, what's the first step?

A click "Save Page As" from the browser menu and then use a photo editing software to extract the image

B Right-click on the image and select "save image as"

C Right-click on the image and select "copy image location"

D All of the above

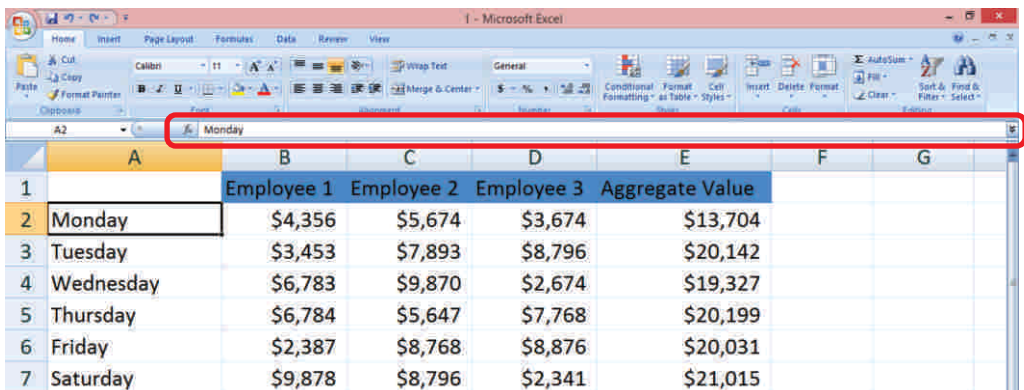**Q17.** Study the screenshot below. Is there a quick way for you to format the dates in the Dates column above to display as complete written out dates, for example, 12 December 2014 instead of 12/12/2014?

◢	A	B	C	D
1	Donations:	Dates:		
2	$50.00	12/12/2014		
3	$22.21	11/02/2015		
4	$5.00	24/12/2014		
5	$18.00	03/01/2015		
6	$136.15	26/02/2015		

A Yes, by selecting the cells and in the Number group selecting Format as Date.

B No, this is not possible. The dates above are in a format not recognized by Excel and will need to be retyped.

C No, this is not possible. If dates are not entered as dates, it cannot be changed later on.

D Yes, by selecting the cells and in the Number group selecting Long Date.

Q18. What is the name of the thin, white area above the column letters that starts with the "fx" button (red circled) and stretches all the way to the right edge of the screen?

	Employee 1	Employee 2	Employee 3	Aggregate Value
Monday	$4,356	$5,674	$3,674	$13,704
Tuesday	$3,453	$7,893	$8,796	$20,142
Wednesday	$6,783	$9,870	$2,674	$19,327
Thursday	$6,784	$5,647	$7,768	$20,199
Friday	$2,387	$8,768	$8,876	$20,031
Saturday	$9,878	$8,796	$2,341	$21,015

A Ribbon   **B** Formula bar   **C** Mini toolbar   **D** Fix-it bar

Study the below given picture and answer questions 19 through 21.

Q19. Which of the following describes the group of cells that are highlighted?

A A column   **B** A worksheet   **C** Active cells   **D** A range of cells

Q20. The Total sales for Short black coffee has been determined. Which formula was used to do this?

A =D5*F5   **B** =D5+F5   **C** =D5–F5   **D** =D5^F5

Q21. Which formula was entered in column F to calculate Most sold?

A =MIN(F5:F10)   **B** =MAX(F5:F10)   **C** =COUNT(F5:F10)   **D** =AVERAGE(F5:F10)

Q22. Which of these can you insert into a Power point presentation?

A Clip art

B A sound file directly recorded

C A video clip

D All of the above

Q23. Study the screenshot below. Which slide type or slide layout must you select to achieve the layout represented by the content placeholders?
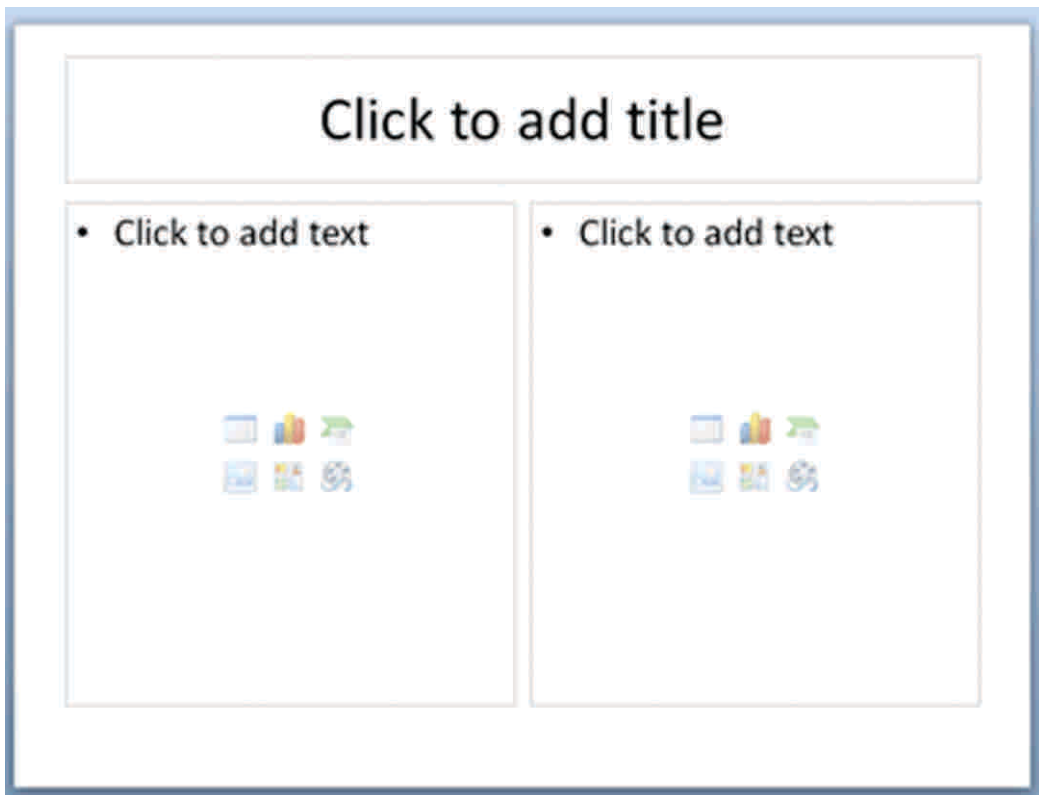
A Select the Content with Caption option.

B Select the Two Content option.

C Select the Title and Content option.

D Select the Parallel and Heading option.

Q24. Study the screenshot below. What do you think is the purpose of the area circled in yellow below?
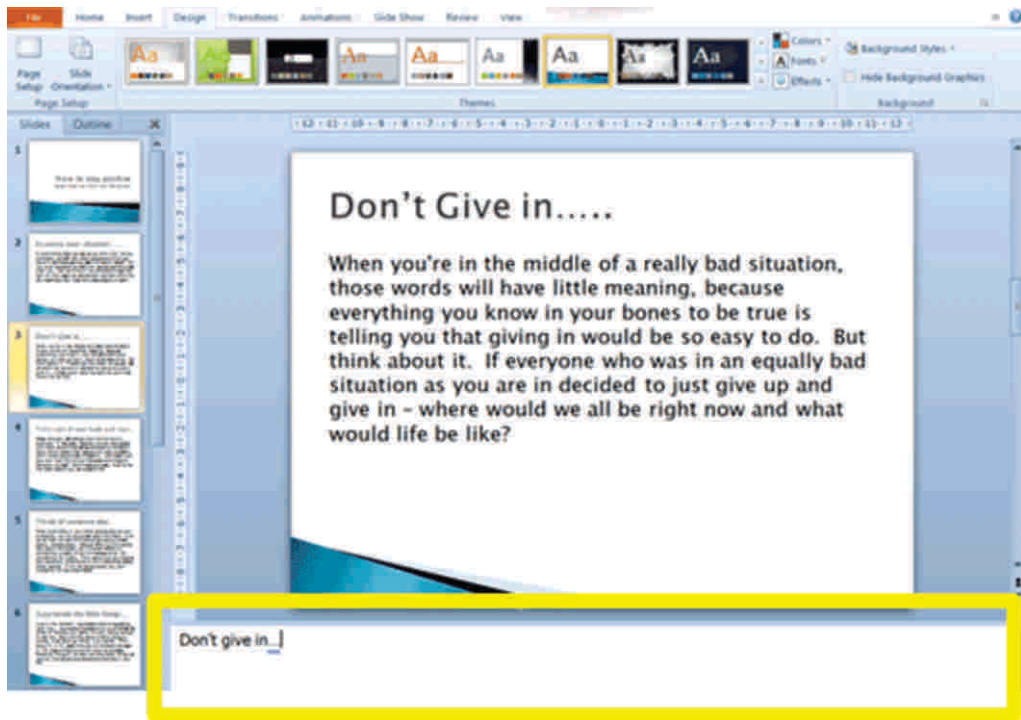
A It is used to add text to each slide. After you press enter, the text will appear on the slide in the main screen.

B It is used to name each slide in a presentation. For example, the slide on display above is called: Don't give in....

C It is used to add speaker notes to each slide that the presenter will use during the presentation to prompt and guide them.

D None of the above options are correct.

Q25. Study the screenshot below. Which view type do you think this is and what is it most useful for?

A It is called the Outline View and is perfect for viewing all the slides in a presentation.

B It is called the Slide View and is perfect for reorganizing slides in a presentation.

C It is called the Slide Sorter View and is perfect for reorganizing slides in a presentation.

D It is called the Presentation view and is perfect for reorganizing the presentation.

Q26. What are the four main tags that are used in creating web pages?

A Html, title, body, table

B Html, head, title, body

C Html, p, head, title

D Html, body, table, p

Q27. What tag is needed to create link in HTML?

A Anchor tag   **B** Navigation tag   **C** Linkage tag   **D** Move tag

---

Q28. In HTML, which one of the following is an attribute of <form> tag

A Method   **B** Action   **C** Both (a)&(b)   **D** None of these

---

Q29. Choose the correct HTML element for the largest heading:

A <head>   **B** <h1>   **C** <h6>   **D** <heading>

Q30. Who will receive the first copy of the following email?

A saudbhoira only

B a only

C saudbhoira, d and e

D d and e

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(This page is intentionally left blank)

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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 MUNEER	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

INSTRUCTIONS

- This is a generic answer sheet to be used by participants of all grades. Students of Grade 1-2 will fill in circles of first 20 questions, Grade 3-4 will fill in circles of 25 questions and Grade 5-10 will fill in circles of 30 questions.
- Please recheck your Name, Father Name, Grade and School written below, the same would appear at your certificate.
- Use of lead pencil is not allowed.
- Use only Black / Blue ink to fill in the circles.

ICATS IT Contest 2018
Grade 7-8

Choose only ONE of the FOUR proposed answers (A, B, C or D) and fill in the circle with your answer.
Example of correctly filled table of answers.

(A) (B) ● (D)   Correct Filling Answer "C"   (A) (B) ⊗ (D) wrong filling   (A) (B) ◉ (D) wrong filling

(A) (B) ⊘ (D) wrong filling   (A) (B)●(C) (D) wrong filling

Q	Answer	Q	Answer	Q	Answer
1	(A) (B) (C) ●	11	(A) (B) (C) ●	21	(A) ● (C) (D)
2	(A) (B) ● (D)	12	● (B) (C) (D)	22	(A) (B) (C) ●
3	● (B) (C) (D)	13	(A) ● (C) (D)	23	(A) ● (C) (D)
4	● (B) (C) (D)	14	● (B) (C) (D)	24	(A) (B) ● (D)
5	(A) ● (C) (D)	15	● (B) (C) (D)	25	(A) (B) ● (D)
6	(A) (B) ● (D)	16	(A) ● (C) (D)	26	(A) ● (C) (D)
7	● (B) (C) (D)	17	(A) (B) (C) ●	27	● (B) (C) (D)
8	(A) ● (C) (D)	18	(A) ● (C) (D)	28	(A) (B) ● (D)
9	(A) (B) ● (D)	19	(A) (B) (C) ●	29	(A) ● (C) (D)
10	(A) ● (C) (D)	20	● (B) (C) (D)	30	(A) ● (C) (D)

ICATS
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INTERNATIONAL CATS CONTESTS
COMPETENCE & APTITUDE TESTING SERVICES
FASTEST GROWING CONTESTS IN PAKISTAN

QUESTION BOOKLET

ICATS
IT
CONTEST

ICATS
IT CONTEST
2019

GRADE 7 & 8
(JUVENILES)

Time Allowed: 90 Mins
Maximum Marks: 90

ICATS IT CONTEST 2019
JUVENILES (GRADE 7 & 8)

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 INVIGILATORS 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. A standard computer keyboard has how many keys?

A | 84   **B** | 94   **C** | 104   **D** | 114

Q2. One Gigabyte is approximately equal to:

A | 1000,000 bytes   **C** | 1000,000,000,000 bytes

B | 1000,000,000 bytes   **D** | None of these

Q3. The following are the Common Trouble shooting for Computer Units, except

A | Double check the power connections.

B | Check the power cords and cable connectors in your computer unit.

C | Unseated card or loose cards could cause malfunction.

D | Install OS

Q4. File type can be represented by

A | file name   **B** | file extension   **C** | file identifier   **D** | file type
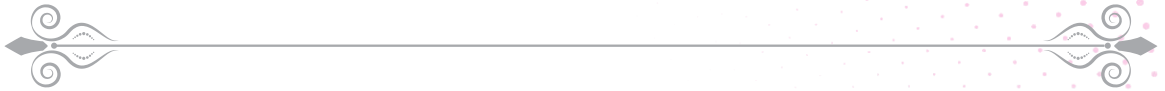
Q5. _____ alignment is used in the newspapers, novels and magazines

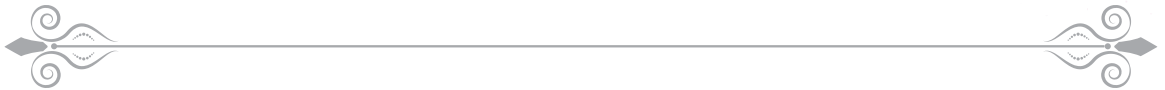**A** | CENTER   **B** | RIGHT   **C** | LEFT   **D** | FULL JUSTIFICATION

Q6. Redo feature is used to reverse the _____action

A | UNDO   **B** | REDO   **C** | COPY   **D** | PASTE

Q7. In Microsoft Word, which of the following represents the most accurate list of names of tabs on the Ribbon?
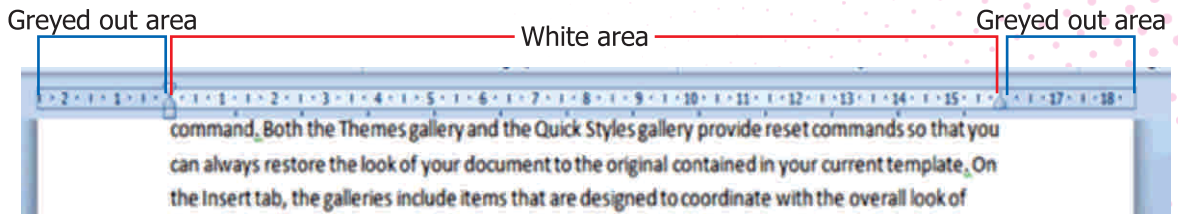
A | The Home Tab, Print Tab, Insert Tab, References Tab, Mailings Tab, Review Tab

B | The Home Tab, Insert Tab, Page Layout Tab, References Tab, Mailings Tab, Review Tab, View Tab

C | The Home Tab, Insert Tab, Print Layout Tab, References Tab, Envelopes and Labels Tab, Review Tab, View Tab

D | The Home Tab, Insert Tab, Page Layout Tab, References Tab, Mailings Tab, Review and View Tab

Q8. Study the image of a MS Word screen below this question. Why is part of the ruler displayed in white whilst the rest of the ruler appears greyed out?

Greyed out area   White area   Greyed out area

command. Both the Themes gallery and the Quick Styles gallery provide reset commands so that you can always restore the look of your document to the original contained in your current template. On the Insert tab, the galleries include items that are designed to coordinate with the overall look of

A The 'white' and 'greyed out' section denote the current horizontal margin size of the document.

B The 'white' section denotes the area of the document that is selected horizontally on the page.

C The 'white' section denotes the paper size that is being used.

D The 'white' section denotes the area of the page that is used and therefore represents the page height.

Q9. Study the screenshot below. Which of the following represent a group on this section of the Ribbon?
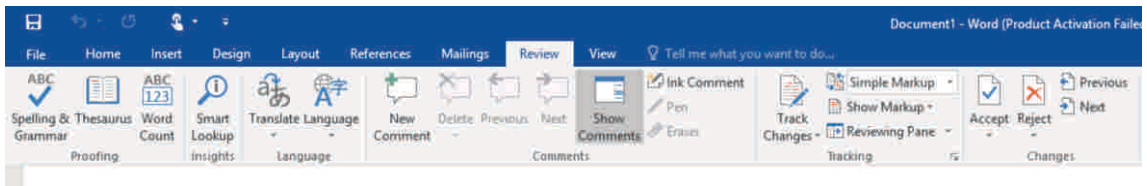
A Spelling & Grammar   **B** Accept   **C** Review   **D** None of the above

Q10. Study the screenshot of a Quick Access Toolbar below. If you wanted to move the Redo button (right-pointing arrow) to be located next to the Undo button, which of the following actions will be successful in achieving this?

A Click and drag the Redo button into position next to the Undo button and click "Save" to accept changes.

B Click the down pointing arrow located to the right-hand side of the Quick Access Toolbar and select "Organize the Quick Access Toolbar" from the list. This will give you a panel in which to reorganize the buttons on the Quick Access Toolbar.

C In the "Customize the Quick Access Toolbar" dialogue box use the "Move Up" and "Move Down" buttons to move the Redo button in the Quick Access Toolbar to be above (or below) the Undo button in the list.

D None of the above actions will be successful.

Q11. Jenny wants to print only pages 3 – 7 of a 100 page document as single sided pages. How can she do this?

A She needs to set her printer to the correct settings for A4 and page numbers and then press Print in the Backstage View.

B In the Backstage View next to the Print tab under pages, she must set the Print Custom Range to 3–7 and print One Sided settings.

C In the Backstage View under Word Options, she must set the Print Custom Range to 3-7 and Print One Side Only under Printer.

D Under Print in the Backstage View, she must set 3-7 in the Copies box under Print and ensure 1 Page Per Sheet is selected under Pages.

Q12. Study the screenshot below this question. What does the drawing pin icon located to the right of each document name tell you?

Tutorial - Getting Started - The Backstage View.docx
Desktop\New folder\3

Tutorial - Getting Started - Understanding and Using the Ribbon.docx
C:Documents\Letters

Quiz - Getting Started - Word Basic.docx
C:Documents\3

**Quiz - Getting Started - Word Basic.docx**
C:New folder\ (2)\3

Tutorial - Getting Started - Understanding and Using the Ribbon.docx
C:New folder (2)\3

**A** These items are pinned to the Recent Documents list and will not move off the list.

B These items are available to be pinned to the Recent Folders list.

C These items have recently been unpinned from the Recent Documents list.

D These items are on the Recent Documents list, but have not been pinned to the list.
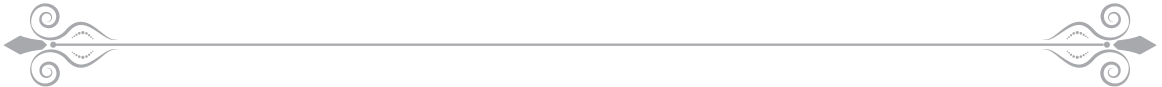
Q13. You can save a PowerPoint presentation in multiple formats depending on what the slides will be used for. Which of the following is NOT a file format available in PowerPoint?

A Saving as a shareable un-editable document: PDF (Portable Document Format).

B Saving as a watchable video: Windows Media Video.

C Saving as an image: jpeg, gif or png file.

**D** As an executable list of slides in Excel: .xls file.

Q14. **Study the screenshot of the Go To dialogue box below this question. What will be the result of pressing the Go To button?**
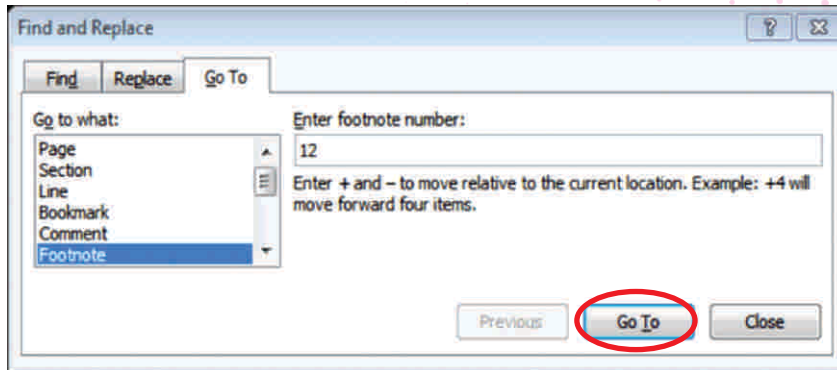
A It will find all instances of the number 12 and allow for moving backwards and forwards through all instances of this number.

B It will jump to page 12 in the document.

C It will jump to the 12th footnote in the document.

D It will jump to a footnote with the number 12 in it.


Use the following information to answer questions 15 through 19.

The Ribbon in Microsoft Excel is made up of a series of tabs, each related to specific kinds of tasks that workers do in Excel. The Home tab, shown in the following image, contains the commands that people use the most when creating Excel documents. Having commands visible on the work surface enables you to work quickly and efficiently. Each tab contains groups of commands related to specific tasks or functions.
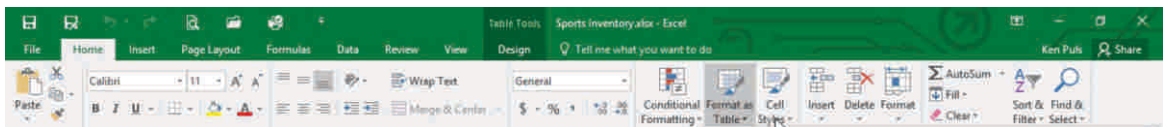
Q15. What is the group shown in the below given image called?
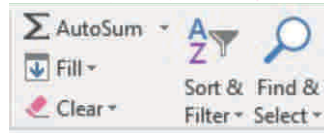
| A Font group | B Editing group | C Number group | D Cells group |

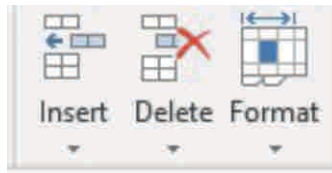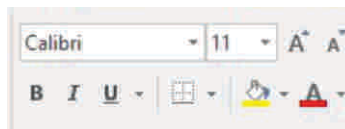**Q16.** What is the group shown in the below given image called?

| A Font group | B Editing group | C Number group | D Cells group |

Q17. What is the group shown in the below given image called?

| A Font group | B Editing group | C Number group | D Cells group |

**Q18.** What is the button shown below is used for?

A	It allows you to copy formatting from a cell or range of cells to another cell or range of cells
B	It allows you to copy data from a cell or range of cells to another cell or range of cells
C	Both of the above
D	None of the above

Q19. What is the button shown below is used for?

A	It allows you to clear formatting from a cell or range of cells
B	It allows you to apply formatting to a cell or range of cells
C	It allows you to clear data from a cell or range of cells
D	None of the above
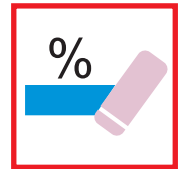
Q20. Which of the following statements do you think is the best reason for using PowerPoint slides during a talk?

A	Having lots of amazing pictures, video clips and graphs to show the audience is a good reason to include PowerPoint in your talk.
B	Using PowerPoint to distract the audience from the contents of a talk, especially if the contents is lacking in some way.
C	Being a PowerPoint expert, you use elaborate slides to impress your audience with your slide-creation skills.
D	None of the above reasons is a good reason to include PowerPoint slides in a talk.

Q21. 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

Q22. Study the image below this question. What is the purpose of the two words circled in orange?
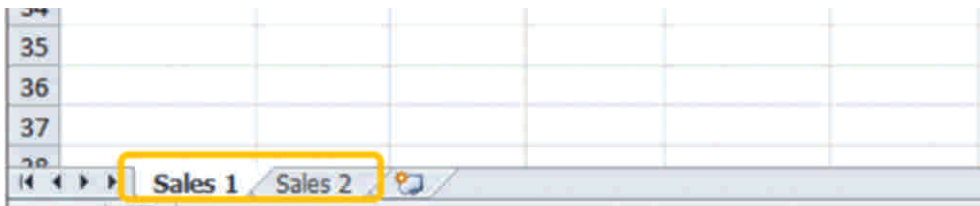
A ⎸ These represent the names of the individual workbooks you have saved. If you click on the "Sales 2" tab it will open this workbook.

B ⎸ These reflect a selected range of cells in the worksheet. If you click on "Sales 2" it will take you to the selected cell.

C ⎸ These represent worksheets that have been created in the workbook. If you click on them they will take you to the different sheets.

D ⎸ This is the Name Box and represents named ranges in the worksheet. If you click on "Sales 2", you can rename the range.

Q23. A user wanted to create a numbered list numbered: 1 -10. When they used the Autofill Handle it created a list of 10 number 1s (as pictured below).
What is the solution?

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.

Q24. Study the formula in the cell A5 in the screenshot below. Carefully review the cells included in the formula and the symbols included. Based on your observations, which of the following options represent the result of this formula?

A The result will be: 40

B The result will be: 22

C The result will be: 0

D The formula contains errors and will not return any result.

Q25. Study the screenshot below. In Microsoft PowerPoint, which slide type or slide layout must you select to achieve the layout represented by the content placeholders?
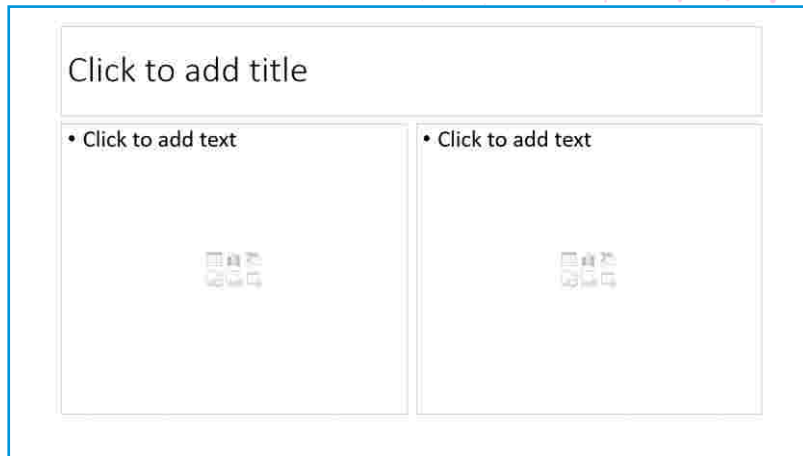
A ▏ Select the Content with Caption option.

B ▏ Select the Two Content option.

C ▏ Select the Title and Content option.

D ▏ Select the Parallel and Heading option.
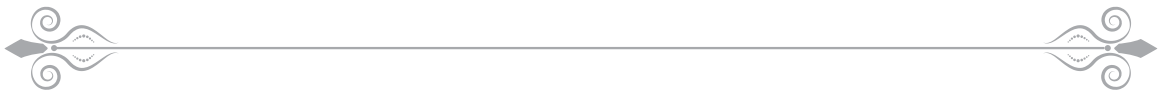
Q26. Which of the following is NOT a method for making a duplicate of an existing slide?

A ▏ Using the shortcut combination: Ctrl+C to copy a selected slide and Ctrl+V to paste the copied slide.

B ▏ Right-click a slide and select Copy from the menu list. Press the Paste button in the Clipboard group to paste the copied slide.

C ▏ Using the shortcut combination: Ctrl+C to copy a selected slide and Ctrl+P to paste the copied slide.

D ▏ Right-click a slide and select Duplicate Slide from the menu list.

Q27. Study the screenshot below. Which view type is this?
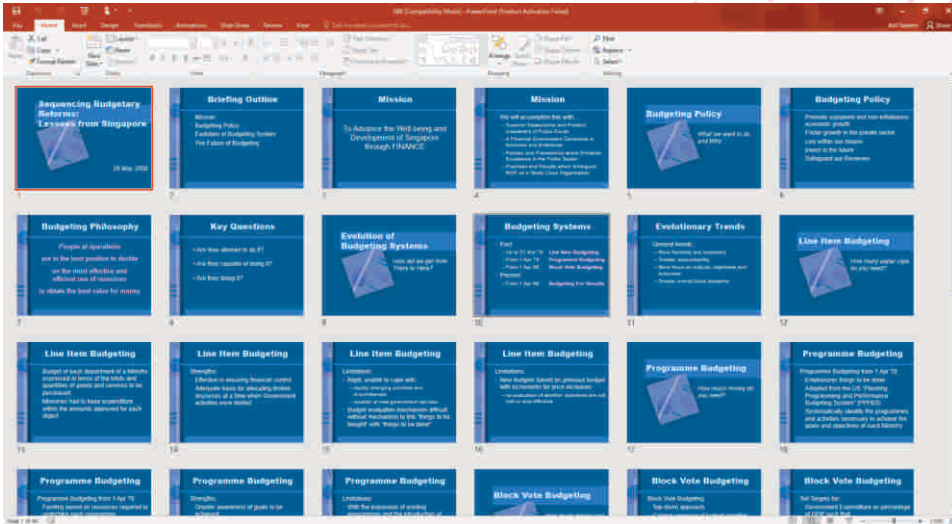
A The Notes Page View

B The Reading View

C The Slide Sorter View

D The Presenter View

Q28. Study the screenshot below. How many slides does this presentation contain?

A One slide.

B Four slides.

C Nine slides.

D It is not possible to tell from the screenshot how many slides the presentation contains.
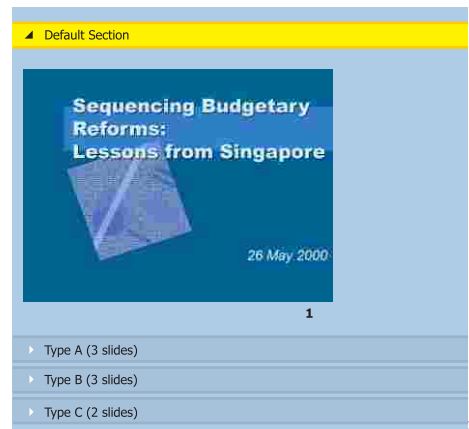
Q29. Malware is the short form for malicious software and used to refer to

A | Spyware   **B** | Worm   **C** | Virus   **D** | All of the above
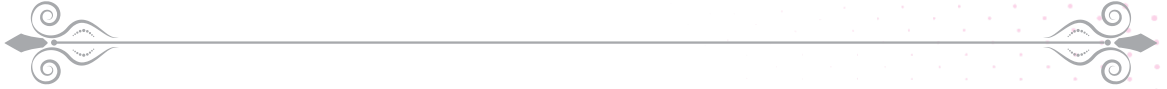
Q30. To create a link to an email address syntax used is

A | < a email="name@example.com">email

B | <a href="mail:name@example.com">email

C | <email="name@example.com">email

D | email

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ICATS English Linguistics Contest 2019
National Toppers

Student Name	Father Name	Grade	School	City
AMATULLAH	ADNAN	1	MSB EDUCATIONAL INSTITUTE	KARACHI
MUHAMMAD MOHSIN	WAHEED SHEHZAD	1	RANGERS PUBLIC SCHOOL FOR BOYS	LAHORE
ZAIN-UL-ABIDIN	INAM-ULLAH	2	ARMY PUBLIC SCHOOL GARRISON JUNIOR	LAHORE
MUHAMMAD ASIS JAVED	MUHAMMAD SHAHEER JAVED	3	THE CITY SCHOOL CHASHMA BRANCH	MIANWALI
AYESHA SIDDIQUI	M. ASHRAF UL KABIR SIDDIQUI	4	THE CITY SCHOOL GULSHAN JUNIOR CAMPUS	KARACHI
AYESHA FAISAL	FAISAL EHSAN	5	LAHORE GRAMMAR SCHOOL LANDMARK PROJECT	LAHORE
ASAD IMRAN	M. IMRAN	6	THE CITY SCHOOL CANTT CAMPUS II	QUETTA
MANAAL TARIQ	DR. TARIQ MEHMOOD	7	THE CITY SCHOOL GIRLS CAMPUS	SIALKOT
FIZZA RIZVI	ALI ABBAS RIZVI	8	HABIB GIRLS SCHOOL	KARACHI
LAMISAH BEHRAM KHAN	BEHRAM BASHIR KHAN	9	LAHORE GRAMMAR SCHOOL	ISLAMABAD
FAIZ UL HASSAN GILANI	GHULAM UL HUSSAIN GILANI	10	THE CITY SCHOOL TOWN SENIOR SECTION	PESHAWAR

ICATS Mathematics Contest 2019
National Toppers

Student Name	Father Name	Grade	School	City
HIBA MALIK	BILAL MALIK	1	KOHSAR CHILDREN'S ACADEMY	MANSEHRA
DURYAB ZAHRA	MUHAMMAD RASHID	1	BEACONHOUSE HAFIZABAD	HAFIZABAD
ABDUL RASHEED	ABDUL WAHEED	2	ARMY PUBLIC SHOOL & COLLEGE SYSTEM SADDAR CAMPUS	KARACHI
BURHANUDDIN	M. ALI ASGHER SAMIWALA	2	MSB EDUCATIONAL INSTITUTE	KARACHI
M. HUMMAS	M. SHAKIL	3	DEFENCE HOUSING AUTHORITY COLLEGE AND SCHOOL SYSTEM	KARACHI
EHAN QURESHI	ASSADULLAH QURESHI	4	FFC GRAMMAR SCHOOL AND COLLEGE	MIRPUR MATHELO
MAHAD ABID	M. HARIS UMER	5	THE CITY SCHOOL CHENAB CAMPUS	FAISALABAD
UROOJ AJMAL	AJMAL IBRAHIM	6	KIPS SCHOOL	LAHORE
MUHAMMAD SALAMAT	SADAT MEHMOOD	7	GARRISON ACADEMY TUFAIL SHAHEED CAMPUS (SENIOR)	LAHORE
ABDULLAH JUNAID KHAN	ABDUL RAUF	8	THE SCIENCE SCHOOL	ISLAMABAD
SAAD ALI HASSAN	ABDUL HAYEE	8	THE SCIENCE SCHOOL	RAWALPINDI
DANIYAL KALEEM SHEIKH	MUHAMMAD KALEEM	9	ROOTS IVY INTERNATIONAL SCHOOL IB CAMPUS	RAWALPINDI
AHMED ALI	AUN ALI	10	MSB EDUCATIONAL INSTITUTE	KARACHI

COMPETE if you are the BEST

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INSTRUCTIONS

- This is a generic answer sheet to be used by participants of all grades. Students of Grade 1-2 will fill in circles of first 20 questions, Grade 3-4 will fill in circles of 25 questions and Grade 5-10 will fill in circles of 30 questions.
- Please recheck your Name, Father Name, Grade and School written below, the same would appear at your certificate.
- Use of lead pencil is not allowed.
- Use only Black / Blue ink to fill in the circles.

ICATS IT Contest 2019
Grade 7-8

Choose only ONE of the FOUR proposed answers (A, B, C or D) and fill in the circle with your answer.
Example of correctly filled table of answers.

(A) (B) ● (D) Correct Filling Answer **"C"**   (A) (B) ⊗ (D) wrong filling   (A) (B) Ⓒ (D) wrong filling

(A) (B) ⊘ (D) wrong filling   (A) (B) ◓ (D) wrong filling

Q. No.	Answer	Q. No.	Answer	Q. No.	Answer
1	(A) (B) ● (D)	11	(A) ● (C) (D)	21	(A) (B) (C) ●
2	(A) ● (C) (D)	12	(A) (B) (C) ●	22	(A) (B) ● (D)
3	(A) (B) (C) ●	13	(A) (B) (C) ●	23	(A) (B) (C) ●
4	(A) ● (C) (D)	14	(A) ● (C) (D)	24	● (B) (C) (D)
5	(A) (B) (C) ●	15	(A) ● (C) (D)	25	(A) (B) (C) ●
6	● (B) (C) (D)	16	(A) (B) (C) ●	26	(A) (B) ● (D)
7	(A) ● (C) (D)	17	● (B) (C) (D)	27	(A) (B) ● (D)
8	● (B) (C) (D)	18	● (B) (C) (D)	28	(A) (B) ● (D)
9	(A) (B) (C) ●	19	● (B) (C) (D)	29	(A) (B) (C) ●
10	(A) (B) ● (D)	20	(A) (B) (C) ●	30	(A) (B) (C) ●