

SAMPLE PAPER 2014-15



The actual test paper has 35 questions. Time allowed: 60 minutes. There are 3 sections: 10 in section I, 20 in section II and 5 in section III.

SYLLABUS



Section – I (Logical Reasoning) : Patterns, Alphabet Test, Coding-Decoding, Mirror Images, Embedded Figures, Geometrical Shapes and Solids, Ranking Test, Direction Sense Test, Days and Dates & Possible Combinations, Analogy and Classification.

Section – II (Computers and IT): About Computers (General Information), Evolution of Computers, Parts of Computer, Input and Output Devices, Hardware, Software, MS-Word, Using Windows, Introduction to Internet and Its Uses, Computer Networks, MS-Paint, Latest Developments in the field of IT.

Section – III (Achievers Section) : Syllabus as per Section — II. Questions are based on Windows 7 and MS-Office 2010.

The actual test paper has 35 questions. Time allowed: 60 minutes. There are 3 sections: 10 questions in section I, 20 in section II and 5 in section III.

SYLLABUS



Section – I (Logical Reasoning) : Patterns, Alphabet Test, Coding-Decoding, Mirror Images, Embedded Figures, Geometrical Shapes and Solids, Ranking Test, Direction Sense Test, Days and Dates & Possible Combinations, Analogy and Classification.

Section – II (Science) : Plants, Animals, Human Body, Water, Matter and Force, Transport, General Activities, Earth and Universe.

Section – III (Achievers Section) : Syllabus as per Section — II.

The actual test paper has 35 questions. Time allowed: 60 minutes. There are 4 sections: 10 questions in section I, 10 in section II, 10 in section III and 5 in section IV.

Section – I: Logical Reasoning Section – II: Mathematical Reasoning

Section – **III** : Everyday Mathematics

Section – IV (Achievers Section) : Syllabus as per Section — II.

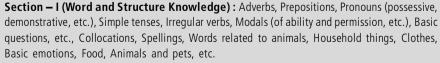
SYLLABUS



Numerals and Number Names (5 digit numbers), Place Value, Roman Numerals, Addition and Subtraction, Geometry: Square, Rectangle, Circle, Closed and Open Figure, Multiplication and Division, Factors and Multiples, Fractions, Measurement, Pictorial Representation of Data, Money, Time, Weight and Capacity, Series and Pattern Formation of Numbers and Figures, Conversions, Comparison, Perimeter of Various Shapes, Direction Sense Test, Mirror Images, Embedded Figures, Number Ranking, Alphabetical Test, Coding-Decoding, Mathematical Reasoning, Symmetry.

The actual test paper consists of 35 questions. Time Allowed : 60 minutes. There are 4 sections.

SYLLABUS



Section – II (Reading) : Search for and retrieve information from various text types like stories, Anecdotes, etc., Understand information through pictures, Time-table format, etc., Acquire broad understanding of and look for specific information in short texts like messages, Invitations, etc.

Section – III (Spoken and Written Expression) : Ability to understand situation-based variations in functions like apology, greeting, introduction, request, etc.

Section - IV (Achievers Section): Syllabus as per Sections I, II and III.



INTERNATIONAL ENGLISH OLYMPIAD





N C Q National Cyber Olympiad

LOGICAL REASONING

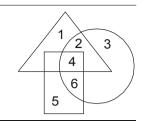
1.	What is the next number in the pattern below? 125, 150, 175, 200,?												
	(A) 205	(B) 215	(C) 225	(D) 250									
2.	If 'a' means '+'; 't 16 a 4 b 4 c 4 d 2 =	o' means '–'; 'c' me	eans '÷' and 'd' mea	ns 'x', then the expression									
	(A) 10	(B) 7	(C) 18	(D) $2\frac{1}{2}$									
3.	How many triangles a (A) 15 (C) 17	are there in the given fi	gure? (B) 18 (D) None of these										
4.	Choose the correct m	nirror image of the wor	d, if the mirror is place	ed vertically to the left.									
	(A) GNIXIF	FIXING (B)	(C) ƏNIXIF	(D) FIXIND (D)									
5.	In a certain code, 345 (A) RPPEO	56 is coded as ROPE, 1 (B) ROPEA	15526 is coded as APP (C) POEAR	LE, then how is 54613 coded? (D) PAREO									
6.	A piece of paper folded and punched as shown in the problem figures. From the given option, indication how it will appear when opened.												
			Problem Figure	re									
	(A) (A) (B)	(B)	(C) (C)	(D) (D)									
		COMPUTERS AND INF	ORMATION TECHNOL	OGY									
7.	Internet can be used f (A) Checking exam r (C) E-mailing	or	(B) Chatting (D) All of these										
8.	When your desktop is window and close the	s cluttered with open verest.	vindows, you can use _	to select a single									
	(A) Aero Peek	(B) Aero Shake	(C) Aero Steer	(D) Aero Flip									
9.	Without this we cann (A) Scanner	ot interact with a com (B) Input device	puter. What is this? (C) Output device	(D) Printer									
10.	This key is used to mo used. Identify the key	=	ing of the line or the scr	een depending on the software									
	(A) End	(B) Home	(C) Page Up	(D) Page Down									
11.	1024 bytes equals (A) 1 Kilobyte (KB) (C) 1 Gigabyte (GB)		(B) 1 Megabyte (MB) (D) 1 Character)									

12.	Who among the follo (A) Charles Babbage (C) Blaise Pascal		(B)	er of computers ? (B) John Napier (D) Lady Ada Augusta Lovelace								
13.	While working with M (A) Text tool	/IS-Paint which (B) Pencil to		d to add name t Air brush tool	r drawing ? Erase tool							
14.	Which of the followin (A) ww.yahoo.com (C) www.hotmail.com		(B)	address? (B) www.cartoonnetwork.co (D) www.indiatime.comm								
15.	In MS-Word, which c (A) Red	olour wavy line (B) Green		d indicates a spe Yellow		or grammar mistake? Both (A) and (B)						
	N S Q				0	lympiad						
1.	Namita drow a figuro		OGICAL REA		figuro	sho drow 2						
1.	Namita drew a figure	with 4 Square	comers. will		ngure	she drew?						
	(A)	,	(B)									
	(C)		(D)									
2.	Which could be one	of the faces of	a cylinder?									
	(A)	(B)	(C)		(D)							
3.	The number of squar	es in the figure	is									
	(A) 5 (C) 4		(B) (D)	6 None of these								
_			(-)									
4.	Find the missing cha (A) 25 (C) 41	racter.	(B) (D)			$\frac{5}{19}$ $\frac{7}{6}$ $\frac{6}{2}$	29 4 5					
5.	Find the next term w	•	ete the series 9, 18, 27, 36,									
	(A) 40	(B) 39	9, 10, 27, 30, (C)		(D)	50						
			SCIENC	E								
6.	Nowadays, many (A) Trains	travel (B) Planes	•	nic speed. Ships	(D)	Two-wheelers						
7.	When the layer of ai (A) Heat (C) Air pressure	r that surround	(B)	resses down, the Temperature Precipitation	is is							
8.	The energy an objec (A) Electrical energy (C) Kinetic energy		(B)	Chemical energy Potential energy								

9.	The pull or push is (A) Gravity	(B) Friction	(C) Force)	(D) Inertia						
10.	How long does the Ea (A) 24 hours	arth take to make or (B) 28 hours	(C) 240 (ound the Sun ? (D) 365 days						
11.	Arjun wants to lift the he could lift the rock (A) a (B) b (C) c (D) d		figure. At wh	nich point sh	ould he apply th	e force so that					
12.	Plants use sunlight to (A) Oxidation (C) Photosynthesis	o make sugar in the	process of – (B) Repro (D) Fertil	oduction							
13.	The teeth which are r (A) Incisors (B) Canines (C) Premolars (D) Molars	narked X in the give	n figure are k	nown as		x x					
14.	Rubber, glass and pla (A) Conductors (C) Insulators	astic are good –	` '	rators romagnets							
15.	5. Study the following Venn diagram carefully. Which letter represents the hen? (A) Y (B) X (C) Z (D) R										
		nternation	al Mat al reasoni		tics Oly	mpiad					
1.	What is the rule for the (A) Add 0, then add (B) Multiply by 1, the (C) Multiply by 1, the (D) Multiply by two, the	nis number pattern? 1, 1, 1, then add 2, and s en multiply by 2, ther en add 1	2, 6, 24, 120 so on),	n						
2.	There are four figures Find out the different		re same in so	me way while	e one is differen	t from the rest.					
3.	Count the number stra (A) 17 (C) 19	aight lines in the give	en figure. (B) 18 (D) 20								

4.	If in a certain code	"MONKEY" is coded as	'YEKNOM', then how is	s 'MONIKA' coded in that lang	uage?
	(A) KANIMO	(B) AKINOM	(C) NOMIKA	(D) AIKONIM	

- 5. Which number lies in all the three figures ?
 - (A) 1
 - (B) 2
 - (C) 4
 - (D) 5



MATHEMATICAL REASONING

- 6. There are eighty-six thousand four hundred seconds in a day. How else could this number be written?
 - (A) 80,064
 - (C) 86,400

- (B) 80,640
- (D) 86,404
- 7. Which set of numbers is in the order from the greatest to the least?
 - (A) 147, 163, 234, 275

(B) 275, 234, 163, 147

(C) 275, 163, 234, 147

(D) 163, 275, 234, 147

8. If $\langle \rangle \times 4 = \sqrt{}$

$$\sqrt{}$$
 - $\langle \rangle$ = 330, then

What is $\frac{1}{1}$ + $\frac{1}{1}$?

(A) 110

(B) 440

- (C) 550
- (D) 990

- Input 8

9. When a number is put into the machine as shown, a different number comes out.

If 2 goes in, 6 comes out. If 4 goes in, 12 comes out. If 5 goes in, 15 comes out.

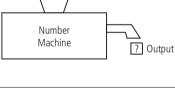
If 8 goes in, what number should come out?

(A) 32

(B) 24

(C) 16

(D) 12



- 10. How many vertices does this pyramid have?
 - (A) 4

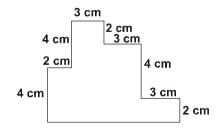
(B) 5

(C) 6

(D) 8



- **11.** There are tens in 36520.
 - (A) 12
- (B) 36
- (C) 365
- (D) 3652
- **12.** The perimeter of the given figure (not drawn to scale) is ______



- (A) 35 cm
- (B) 27 cm
- (C) 38 cm
- (D) 42 cm

EVERYDAY MATHEMATICS 13. There are 3 rows of strawberry plants. Each row has 6 plants. How many strawberry plants are there in all? (A) 9 (B) 18 (C) 22 (D) 24 14. Ram, Rahul and Rohit shared a bag of marbles. The bag contained 272 marbles. How many marbles were left over after the friends shared them equally? (A) 90 (C) 6 (B) 91 (D) 2 15. There were 3856 trees in a forest. In another forest there were 4795 trees. How many more trees were there in the second forest? (C) 1689 (A) 930 (B) 939 (D) 1600 International English Olympiad WORD AND STRUCTURE KNOWLEDGE 1. I build bridges. I am (A) A plumber (B) An engineer (C) A carpenter 2. Choose the odd one. (A) Sandals (B) Shoes (C) Scarves

3. Given below are three sentences. One of them is incorrect. Find the incorrect sentence and mark

READING

Direction (Q. No. 10 and 11): Read the paragraph and choose the correct sentence.

Red woods are among the world's tallest trees. They grow 200 to 300 feet high. The wood, when cut remains remarkably free from decay caused by weather and insects. So it is used to build houses and even outdoor furniture.

- 10. (A) No tree is taller than the red wood tree.
 - (B) Red wood trees grow very tall.
 - (C) Trees grow tall all over the world.
- 11. (A) Red wood tree can be easily destroyed by insects.
 - (B) Red wood trees decay easily.
 - (C) Red wood trees are suitable for making long lasting park benches.

Direction (Q. No. 12 and 13): Read the paragraph and choose the correct sentence.

Many people believe that a house is not a home without a pet. Pets provide companionship and can be a boon to people, especially children. Pets will be there for you through thick and thin. Moreover, caring for a pet teaches you important lessons about taking responsibility, sharing your time and caring for another living creature.

- 12. "Pets can be a boon to people," because
 - (A) They can be good friends
- (B) They teach children to be responsible
- (C) They will look after children
- 13. "Through thick and thin" means
 - (A) Through difficulties (B)
- When you are very happy

(C) In good and bad times

SPOKEN AND WRITTEN EXPRESSION

14. Choose the right answer.

Imran: When does the train for Ba	aroda	leave?
-----------------------------------	-------	--------

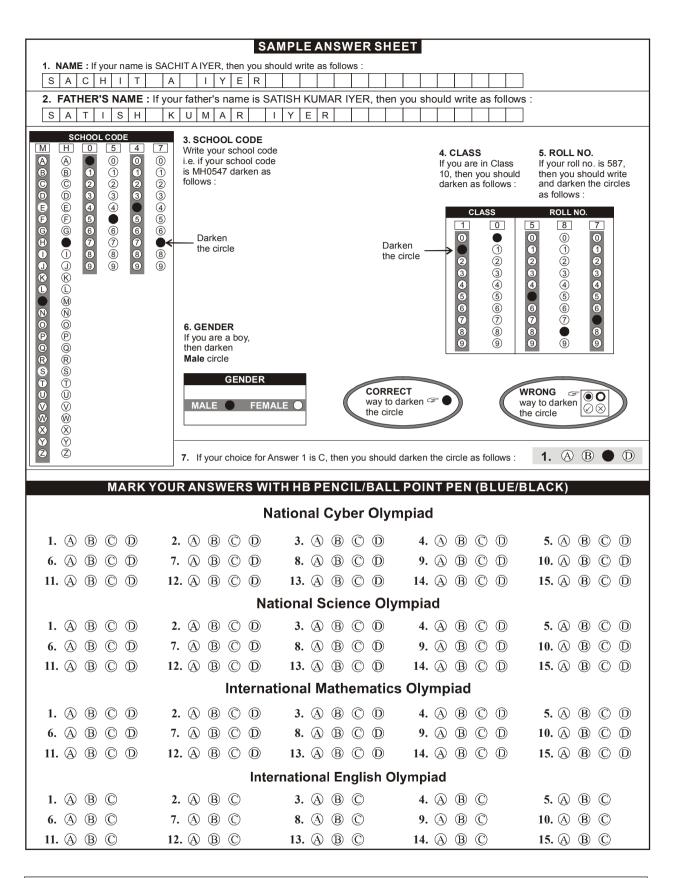
Official:.....

- (A) Maybe, in a week or so.
- (B) In an hour from platform number 5.
- (C) Just turn around and walk to the end of the road.
- **15.** Sentence 1 is given. Sentence 2 is not. Choose the right option for sentence 2.

Sentence 1: A biography is written by a person about the life and activities of another person.

Sentence 2:

- (A) Whereas an autobiography is written by a person about his own life.
- (B) Gandhiji wrote an autobiography called My Experiments with Truth.
- (C) People write autobiographies about their own lives.



ANSWERS

National Cyber Olympiad National Science Olympiad							Inte	ernat	iona	Mat	hem	atics		Interi	natio	nal E	nglis	sh					
1.	(C)	2.	(C)	3.	(D)	1.	(B)	2.	(B)	3.	(A)	Olympiad						Olympiad					
4.	(B)	5.	(C)		(A)		(C)		` '		(B)		(B)	2.	(D)	3.	(B)	1.	(B)	2.	(C)	3.	(B)
7.	(D)	8.	(B)	9.	(B)	7.	` '	8.	(C)	9.		4.	(B)	5.	(C)	6.	(C)	4.	(C)	5.	(A)	6.	(B)
10	. (B)	11.	(A)	12.	(A)	10.	(D)	11.	(D)	12.	(C)	7.	(B)	8.	(C)	9.	(B)	7.	(C)	8.	` '	9.	(B)
13	. (A)	14.	(C)	15.	(D)	13.	(B)	14.			(A)		(B)	11.	(D)	12.	` '		(B)		(C)		(A)
	` ,		` '		` '		` '		(')		` '	13.	(B)	14.	(D)	15.	(B)	13.	(C)	14.	(B)	15.	(A)