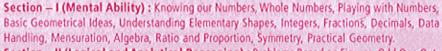


## SAMPLE PAPER 2014-15

The actual test paper has 50 questions. Time allowed: 60 minutes. There are 4 sections: 10 questions in section I, 10 in section II, 25 in section III and 5 in section IV.

#### SYLLABUS



Section — II (Logical and Analytical Reasoning): Problems Based on Figures, Odd One Out, Series Completion, Coding-Decoding, Mathematical Reasoning, Analytical Reasoning, Mirror Images, Embedded Figures.

Section — III (Computers and IT): History and Generation of Computers, Types of Computers, MS-Windows, MS-Word, MS-PowerPoint, Internet & E-mail, Introduction to QBasic, Hardware, Software, Input & Output Devices, Memory & Storage Devices, Latest Developments in the field of IT.

Section — IV (Achievers Section ): Syllabus as per Section III.

Questions are based on Windows 7 and MS-Office 2010.

The actual test paper has 50 questions. Time allowed: 60 minutes. There are 3 sections: 15 questions in section I, 30 in section II and 5 in section III.

#### SYLLABUS

Section — I (Mental Ability): Knowing our Numbers, Whole Numbers, Playing with Numbers, Basic Geometrical Ideas, Understanding Elementary Shapes, Integers, Fractions, Decimals, Data Handling, Mensuration, Algebra, Ratio and Proportion, Symmetry, Practical Geometry, Logical Reasoning.

Section — II (Science): Motion and Measurement of Distances, Light, Shadows and Reflections, Electricity & Circuits, Fun with Magnets, Air & Water, Sorting and Separation of Materials, Changes Around Us, Living Organisms & Their Surroundings, Food, Health & Hygiene, Fibres to Fabrics.

Section - III (Achievers Section ): Syllabus as per Section II.

The actual test paper has 50 questions. Time allowed: 60 minutes. There are 4 sections: 20 questions in section I, 15 in section II, 10 in section III and 5 in section IV.

#### SYLLARII

Section - I (Logical Reasoning): Verbal and Non-Verbal Reasoning

Section – II (Mathematical Reasoning): Integers, Fractions and Decimals, Exponents and Powers, Algebraic Expressions, Simple Linear Equations, Lines and Angles, Concept of Percentage, Profit and Loss, Simple Interest, Probability, Properties of Triangle, Symmetry, Congruence of Triangles, Rational Numbers, Perimeter and Area, Data Handling, Arithmetical Ability, Visualising Solid Shapes.

Section – III (Everyday Mathematics): The Syllabus of this section will be based on the syllabus of Mathematical Reasoning.

Section - IV (Achievers Section): Syllabus as per Section II.

The actual test paper consists of 50 questions. Time allowed: 60 minutes. There are 4 sections.

#### SYLLABUS

Section — I (Word and Structure Knowledge): Prepositions, Continuous tenses, Adjectives and Adverbs, Agreement, etc., Spellings, Collocations, Phrasal verbs, Idioms, and Words related to everyday problems, Relationships, Health and Medicine, Travel, etc.

Section — II (Reading): Search for and retrieve information from various text types like News headlines, Brochures, Formal letters, etc. ., Understand information given in News reports, Brochures, Itenary, etc., Acquire broad understanding of and look for specific information in Short narratives, Time tables, News stories, etc.

**Section – III (Spoken and Written Expression):** Ability to understand situation-based variations in functions like agreement and disagreement, Requests, Refusals apologies, etc. and also distinguish differences in the use of conjunctions.

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













# N C Q National Cyber Olympiad

		MENT	ALABILITY	
1.		t should replace the b	ox.	
	(A) 14	(B) 16	(C) 18	(D) 20
2.	The product of two (A) 30	numbers is 3000. If th (B) 300	e H.C.F. of the number (C) 305	is 10, then L.C.M. will be (D) 5
3.	A basket contains 30 of mangoes left in to (A) 25%	00 mangoes. 75 mang he basket is (B) 30%	oes were distributed am	ong students. The percentage (D) 75%
4.	For the given figure	, which of the followin		3 /
	(A) ∠1 = ∠2		(B) ∠4 = ∠3	2 1
	(C) ∠3 + ∠1 = 180		(D) ∠1 = ∠4	V , >
	Mark Maria		NALYTICAL REASONIN	G
5.	11111 - 1111 + 111 (A) 12345	- 11 + 1 is (B) 10101	(C) 9901	(D) 102
6.	6 + 0 ÷ 6 × 2 + 1 e (A) 18	quals (B) 7	(C) 3	(D) 0
8.	(A) $50 + O = \Delta$ I think of a number, with $\mathfrak{A}$ , how can I (A) Multiply $\mathfrak{A}$ by	relation between $\triangle$ a (B) $50 - \bigcirc = \triangle$	(C) $100 + O = \Delta$ the answer by 2. Let the er back ?	(D) 100 − O = Δ resulting number be □. Starting
	(C) Multiply p by (D) Add 2 to p an	2 and then add 10 to do then divide the result	the result Iting number by 10	
		COMPUTERS AND I	NFORMATION TECHNO	b tob should you go to?
9.	(A) View (C) Home		(B) Page Layout (D) Insert	ch tab should you go to?
10	The software prog     (A) E-mail     (C) Protocol	ram that acts as an in	terface between the use (B) Internet (D) Web browser	er and the www is
11	. PARAM is a (A) Super compute (C) Main compute	er	(B) Mini computer (D) Micro computer	
12	2. Which of the follo (A) ROM	wing is a volatile mem (B) RAM	ory ? (C) EPROM	(D) PROM
13	3. By clicking which (A) Maximize but (C) Restore butto	ton	the window to its previo (B) Minimize button (D) Close button	ous size ?

14.	To switch between the running applic (A) Press F1 (C) Press TAB	(B) Press ALT +	F4 old down ALT and press TAB		
15.	In MS PowerPoint, Bullets and Numb (A) Slides (B) Font		group of Home tab. (D) Drawing		
		onal Scien	ce Olympiad		
1	Find L.C.M. of following numbers.				
	, and E.O.M. of following frameers.	12, 24, 48, 108			
	(A) 504 (B) 432	(C) 405	(D) 440		
2.	Gita has 558 flags to pack into boxes.		ngs. How many boxes will Gita nee		
	to hold all the flags?	(C) 0	(D) 620		
	(A) 34,596 (B) 0.9	(C) 9	(D) 620		
3.		X X 36	yn skiplythydd ned eW Ar → wleiw yn grawest (A)		
	Which best describes the location of				
	(A) 58 (B) 40		(D) 54		
4.	What is the area of a rectangle that (A) 11 m <sup>2</sup> (B) 22 m <sup>2</sup>	measures 5 metres wid	e and 6 metres long? (D) 16 m <sup>2</sup>		
	If n represents a number, which of t	hasa maane tha eama a	e the everession n + 6.2		
5.	(A) Six more than a number	(B) Six divided			
1	(C) Six less than a number	(D) Six times a	NO. TO LOUIS AND THE PROPERTY OF THE PARTY O		
	THE NAME OF THE PARTY OF THE PA	SCIENCE			
6	The body system that alves you cun		ant is the		
0.	The body system that gives you sup	(B) Circulatory			
	(A) Skeletal system (C) Respiratory system	(D) Excretory s			
	(C) Respiratory system	(D) Excretory 5	ystem		
7.	Which food group BEST provides the				
	(A) Milk and dairy products	(B) Fruits and v	regetables		
	(C) Bread and cereal	(D) Meat			
8.	What adaptation the given organism	shows?			
	(A) Strong hind leg muscles		1/_		
	(B) Bones are hollow		((()))		
	(C) Feet are webbed				
	(D) Both (B) & (C)	K KIOPELINE I	(4) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6		
9.	Two cars X and Y are travelling in opposite directions on a narrow road as				
	shown here. Four possible positions for placing a mirror are labelled D, E,				
	F and G. In order to avoid an accident, a mirror could be placed at position				
			Spending bull of F		
	(A) E	politon	applying aids pauritur G		
	(A) E (B) D	THE CONTRACT OF THE	1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1		
	(C) G		XIII -> 1		
	(0) 0				

add	ee glasses P, Q and l led to each one of th ter in which glass wi	R having equal am	ount of water w	oro tok	and a second		
		Il now taste most	vas cooled, Q v	was hea	en and equal ited and R wa	amount of salt is left undistur	was bed.
(A)	Р (І	B) Q	Q (C) R	R	(D) All wi	II taste the sai	me
(A)	nich is usually NOT a More nutritious Last longer on the		(B) Easier	to pack	age port to the st	ore	
13. W	nat force pulls things		of Earth?	COST FORM	(D) Electr	d) has plod of	
(A) (B)	We can recycle water by						
on (A	you dissolved a lot o a hot day, what wou ) Dry salt ) The same salty wa	ld be left in the di	sh after a long (B) Water	time? with no		sh in bright sur	nlight
	I M Q In	nternation	ial Math		atics O	lympia	d
If	The state of the s	esults from the cla about how many v (B) 38	ass election.	rebiyo,	garann epre	President Results Ram Jiwan Dev	
(C	5) 50	(D) 75		ESSE		Land Sand Sand Sand	
ch ho	ne weekly milk order nocolate milk. What is ouse's weekly milk o	s the ratio of the nu der?	umber of low-fa	s 40 litr t milk to	chocolate m	ilk in the New	res of Guest
		The state of the s	- ' '		(D) 8:3		
			roller blades.	Month	Amount saved		
				1	₹ 2	₹2	
	4 in the second mor	CONTRACTOR OF THE PROPERTY OF	Sadaling Ind	2	₹4	₹6	
	6 in the third month,		urth month.	3	₹6	₹12	
	Joy continues this s			4	₹8	₹ 20	
h	ow many months wil		₹ 50 ?			• 5 6	
	A) 5 months	(B) 7 months				• 0.0	
(4		(D) 13 months				• •	
2. The character (A	150 students voted, (a) 25 (b) 50 (c) 60 (d) 60 (e) 60 (e) 70 (e)	about how many v (B) 38 (D) 75  for the New Guest s the ratio of the nuclear? (B) 5:1	t house include umber of low-fa (C) 5 : 3	s 40 litr t milk to Month	es of low-fat ochocolate m  (D) 8:3	Day milk and 15 littilk in the New C	r

4.	$\triangle \triangle = \square \triangle \square$ , $\triangle \square = \bigcirc$ Using the diagram above, which of the (A) $\bigcirc < \triangle$ (B) $\square > \bigcirc$	$\bigcirc$ , $\square$	s true? · (D) △< ○	
5.	According to this diagram, how many students have more than one favourite type of book?		Favourite Book Types  Fantasy (* * * * * * * * Biography	
	(Ÿ) 3	(B) 5		
	(C) 7	(D) 8	Mystery x = 1 student	
WE.	MATHEM	IATICAL REASONING		
6.	In Parul's garden, there are 25 rows of veg and two fewer rows of cucumbers than to the garden, which number sentence can planted?	matoes. If y represents	the number of rows of tomatoes in	
	(A) $y + (y + 5) + (y + 2) + y = 25$	(B) $(y + 5) + y =$	25	
	(C) $(y + 5) + (y - 2) = 25$	(D) $(y + 5) + (y - 5)$	-2) + y = 25	
7.	What percent of these shapes are trian	ngles?	$\Delta O \Box \triangle \Delta$	
	(A) 0.25% (C) 12%	(B) 3% (D) 25%		
8.	Which of the following statements is true (A) $2 > -2$ (B) $2 < -4$		(D) -4 > 4	
	The five-day forecast for the South Pole -29°, -25°, and -30°. Which choice show (A) -24°, -25°, -28°, -29°, -30° (C) -30°, -29°, -28°, -25°, -24°		order from the lowest to the highest? -29°, -25°, -24°	
	Which of the following fractions is clos	No. 10 Page 10		
	(A) $\frac{5}{12}$ (B) $\frac{2}{3}$	-	(D) $\frac{3}{4}$	
11.	What is the value of the following expr (A) 38 (B) 42	ression? 3 + 3 × 3(4 (C) 45	+ 3) (D) 66	
12.	Mohit is selling candy bars. He has cho two bars, and the bars are not of the sa (A) 3 (B) 6			
	EVERY	DAY MATHEMATICS		
13.	Vinita can type 28 words per minute. At (A) 154 (B) 157	this rate, how many wo		
14.	At a school, there are 704 desks to placed in each classroom, how many of (A) 32 (B) 34	ace into 22 classroom desks will be in each ro	s. If the same number of desks is oom?	
15	The students in a wood working class we		The state of the s	
13.	piece $\frac{3}{4}$ of foot long) to build a birdholfeet of wood?	KALINITA HILITRUA (SI MESINI		
		(C) 4	(D) 5	



# I E Q International English Olympiad

### WORD AND STRUCTURE KNOWLEDGE

	The magician had clever (A) Fully (B)	concealed sev	reral rabbits in his ha (C) Ly	at. (D) Ity
2.	Choose the correct expre (A) Bird in hand (B)		t (C) Bird and hand	(D) Hand me the bird
3.	Choose the odd phrase. (A) Take off (B	3) Take on	(C) Take up	(D) Take it
4.	The(A) Weather (B)	is fine to ) Wheather	day. Let's go for a p (C) Whether	icnic. (D) Wether
5.	Choose the odd pair. (A) Cooking : Utensils (C) Sailing : Anchor	Salva I as a second	(B) Painting : Canv (D) Mountaineering	
6.	Spot the error.  This history test is so diff (A)	icult / as I think / I	m going to fail. No	error (D)
7.	Spot the incorrect senten (A) Have you ever been t (C) How long have you b	to Burma?	110000000000000000000000000000000000000	njured in the accident? telephone invented?
8.	Priya nor Se (A) Each (B	ema have gone to ) Neither	see the movie. (C) Both	(D) Rather
		RE	ADING	
Dir	wheat flour. Many culture the world's oldest noodle	nade using grains fr es across the world es were unearthed	om millet, unlike the claim to have inven in China. The yellov	e correct sentence. modern variety, which is made of ted it, but in 2005 the remains of v strands measuring 50 cm were e pot got buried in an earth quake
9.	The modern day noodles (A) Millet (B	are made of ) Grains	(C) Millet and whe	at f <u>l</u> our (D) Wheat flour
10.	We know that noodles we (A) Chinese claim that th (B) Oldest noodles have (C) Historians say so.	ney invented noodl been discovered i	es.	(a) No. 15 April (a) April (a)

The surface of the Earth is not evenly flat. Mountains and plateaus cover large areas giving variety to the earth's surface. Mountains are spectacular features that rise several hundred metres above the surrounding land. When a hill is above 600 metres, it is generally called a mountain. If a chain of mountains exists, it is referred to as a mountain range. The Himalayas which form the northern boundary of India is one of the most spectacular mountain ranges in the world.

	(A) Equal	in this context mea (B) Plain	(C) Level	(D) Still	
12.	(B) Mountains ar (C) Hills which a	nd hills are the same	called mountains.	A postat cos nº 7 a pare 1 m a sa pessoa a fina cos l'arche a fella a	
1		SPOKEN A	ND WRITTEN EXPRES	SION	
	Asha: Why are your Tara:  Asha: I am sure your (A) I will go when (B) Going to my (C) My aunt is contained.	you are eager to see n I like.	e her. t because my sister will o ondon after two years.		ble sentence.
14.	Arun:  Asif: I hope you to (A) I like going of (B) I'd gone to void had	found her hale and hout for long walks wi	th my dog.  r along with my parents.  ng orchard road.	I I found it locke	d.
15.	the next ten large Sentence 2:— Sentence 3: Be (A) However, in (B) The Amazon (C) Hundreds of	est rivers combined. ecause of its vast dir terms of length it is river is surrounded	mensions, it is sometime slightly shorter than the by thick rain forest. azon river to transport g	es called <i>The Ri</i> Nile.	

