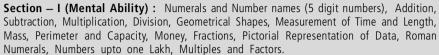


## SAMPLE PAPER 2014-15

The actual test paper has 35 questions. Time allowed: 60 minutes. There are 4 sections: 5 questions in section I, 10 in section II, 15 in section III and 5 in section IV.

### **SYLLABUS**



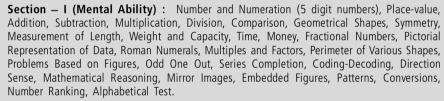
Section — II (Logical and Analytical Reasoning): Problems Based on Figures, Odd One Out, Series Completion, Coding-Decoding, Mathematical Reasoning, Mirror Images, Embedded

Section - III (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** – **IV** (Achievers Section) : Syllabus as per Section — III. 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 - 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, 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, 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-I (Word and Structure Knowledge): Adverbs, Prepositions, Pronouns (possessive, demonstrative, etc.), Simple tenses, Irregular verbs, Modals (of ability and permission, etc.), Basic questions, etc., Collocations, Spellings, Words related to animals, Household things, Clothes, Basic emotions, Food, Animals and pets, etc.

**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

IN ASSOCIATION WITH BRITISH COUNCIL



# N C National Cyber Olympiad

		IVI = I	NIAL ADILII Y										
1.	5 is one of the factors of												
	(A) 36	(B) 30	(C) 42	(D) 21									
				$\triangle \triangle \triangle \triangle$									
2.	The fraction which	represents the object	s cancelled in the coll	ection $\bigwedge^{\triangle} \bigwedge^{\triangle} \bigwedge^{\triangle} \bigwedge^{\triangle} \bigwedge^{\triangle}$ is									
	E	10	1	× × × × · · · · · · · ·									
	(A) $\frac{5}{12}$	(B) $\frac{12}{5}$	(C) $\frac{1}{2}$	(D) $\frac{2}{3}$									
3.	There were 3856 trees in a forest. In another forest, there were 4795 trees. How many more trees												
	were there in the (A) 930	second forest? (B) 939	(C) 1689	(D) 1600									
			(0) 1000	10 cm									
4.	Perimeter of the g	given figure is	·· (D) 50 am	2 cm 8 cm									
	(A) 40 cm		(B) 50 cm	8 cm 10 cm									
	(C) 45 cm		(D) 55 cm	2 cm									
		LOGICAL AND A	NALYTICAL REASO	NING									
5.	What is the next r	number in the pattern I	pelow?										
			150, 175, 200,?										
	(A) 205	(B) 215	(C) 225	(D) 250									
6.	If 'a' means '+'; 'b' means '-'; 'c' means ' $\div$ ' and 'd' means ' $\times$ ', then the expression 16 a 4 b 4 c 4 d 2 =												
	(A) 10	(B) 7	(C) 18	(D) $2\frac{1}{2}$									
7.	How many triangles are there in the given figure?												
	(A) 15		(B) 18										
	(C) 17		(D) None of thes	se									
8.	Choose the correct mirror image of the word, if the mirror is placed vertically to the left.  FIXING												
	(A) GNIXIF	FIXING (B)	AIXING (D)	FIXIND (D)									
		COMPUTERS AND I	NFORMATION TECH	INOLOGY									
<del></del>	Without this we ca	annot interact with a co	omputer What is this	?									
	(A) Scanner	(B) Input device	(C) Output devic										
10.	This key is used software used. Ide		beginning of the line	e or the screen depending on the									
	(A) End	(B) Home	(C)	(D) Page Down									
 11.	1024 bytes equals		· · · · · · · · · · · · · · · · · · ·										
-	(A) 1 Kilobyte (KE		(B) 1 Megabyte	(MB)									
	(C) 1 Gigabyte		(D) 1 Character										

12.	Who among the follow (A) Charles Babbage (C) Blaise Pascal	wing is known as fathe	(B)	computers ? John Napier Lady Ada Augusta	a Lov	elace
13.	While working with M (A) Text tool	S-Paint which option i (B) Pencil tool		ed to add name to Air brush tool		drawing ? Erase tool
14.	Which of the following (A) www.yahoo.com (C) www.hotmail.com	g is a correct internet	(B)	ess? www.cartoonnetw www.indiatime.co		0
15.	In MS-Word, which co (A) Red	olour wavy line under (B) Green		rd indicates a spe Yellow		or grammar mistake? Both (A) and (B)
	N S Q	National			Ol	ympiad
1.	Hill 1 is 5,729 metres	MENTA s high. Hill 2 is 4,049 n			n high	ner is Hill 1 than Hill 2?
	(A) 1,720 m	(B) 680 m		1,680 m		1,239 m
2.	Namita drew a figure	with 4 square corners	. Wr	nich could be the f	igure	she drew?
	(A)		(B)			
	(C)		(D)			
3.	Which could be one of	of the faces of a cylind	der?	^		
	(A)	(B)	(C)		(D)	
4.	The number of square	es in the figure is				
	(A) 5 (C) 4		(B) (D)	6 None of these		
5.	Raj has 60 cakes. A c	quarter of these cakes (B) 30	are (C)		nany (D)	cakes are left with him?
		SC	IENC	CE		
6.	Nowadays, many (A) Trains	travel at a sup		onic speed. Ships	(D)	Two-wheelers
7.	When the layer of air (A) Heat (C) Air pressure	that surrounds the Ea	(B)	oresses down, this Temperature Precipitation	is	
8.	The energy an object (A) Electrical energy (C) Kinetic energy	gets from its motion i	(B)	Chemical energy Potential energy		
9.	The pull or push is (A) Gravity	(B) Friction	(C)	Force	(D)	Inertia
10.	. ,	arth take to make one (B) 28 hours	com		round	
			2			

-

	. Arjun wants to lift the rock as shown in the figure. At which point should he apply the force so the he could lift the rock easily?											
	(A) a		b C									
	(A) a (B) b		a b									
	(C) c											
	(D) d											
12.	Plants use sunlight to make sugar in th	e process of -										
	(A) Oxidation	(B) Reproduct										
	(C) Photosynthesis	(D) Fertilization	n									
13.	The teeth which are marked X in the gi	ven figure										
	(A) Incisors (B) Canines		COO X									
	(C) Premolars		~ COCOCO M									
	(D) Molars											
14.	Rubber, glass and plastic are good –											
	(A) Conductors	(B) Generators										
	(C) Insulators	(D) Electroma	gnets									
15.	Study the following Venn diagram careful	ully.	Ql avs enns									
	Which letter represents the hen?		Lays eggs									
	(A) Y	В	reathes Y X									
	(B) X		rough P Breathe									
	(C) Z (D) R	lu	ngs PZR through									
	\ <u>\</u>											
	I M Q Internation	nal Mathe	matics Olympiac									
1.	Internation  There are eighty-six thousand four hundre (A) 80,064		· -									
1.	There are eighty-six thousand four hundre	ed seconds in a day. F	· -									
	There are eighty-six thousand four hundre (A) 80,064 (C) 86,400  Leena and her mother made a quilt. They in each row?	ed seconds in a day. F (B) 80,640 (D) 86,404 used 56 squares and	How else could this number be writter I made 8 rows. How many squares a									
	There are eighty-six thousand four hundre (A) 80,064 (C) 86,400  Leena and her mother made a quilt. They	ed seconds in a day. F (B) 80,640 (D) 86,404	low else could this number be writter									
2.	There are eighty-six thousand four hundre (A) 80,064 (C) 86,400  Leena and her mother made a quilt. They in each row? (A) 6 (B) 7  Jyoti walked 3 km each day. How many keeping the second seco	ed seconds in a day. F (B) 80,640 (D) 86,404 used 56 squares and (C) 8 kilometres she walke	How else could this number be written I made 8 rows. How many squares ar  (D) 9 d in 14 days?									
2. 3.	There are eighty-six thousand four hundre (A) 80,064 (C) 86,400  Leena and her mother made a quilt. They in each row? (A) 6 (B) 7  Jyoti walked 3 km each day. How many k (A) 42 (B) 32	ed seconds in a day. F (B) 80,640 (D) 86,404  used 56 squares and (C) 8  kilometres she walke (C) 14	How else could this number be writter  I made 8 rows. How many squares at  (D) 9  d in 14 days?  (D) 11									
2.	There are eighty-six thousand four hundre (A) 80,064 (C) 86,400  Leena and her mother made a quilt. They in each row? (A) 6 (B) 7  Jyoti walked 3 km each day. How many k (A) 42 (B) 32  Ram, Rahul and Rohit shared a bag of materials.	ed seconds in a day. F (B) 80,640 (D) 86,404 used 56 squares and (C) 8 kilometres she walke (C) 14 arbles. The bag conta	How else could this number be writter  I made 8 rows. How many squares at  (D) 9  d in 14 days?  (D) 11									
3.	There are eighty-six thousand four hundre (A) 80,064 (C) 86,400  Leena and her mother made a quilt. They in each row? (A) 6 (B) 7  Jyoti walked 3 km each day. How many k (A) 42 (B) 32	ed seconds in a day. F (B) 80,640 (D) 86,404 used 56 squares and (C) 8 kilometres she walke (C) 14 arbles. The bag conta	How else could this number be writter  I made 8 rows. How many squares at  (D) 9  d in 14 days?  (D) 11									
3.	There are eighty-six thousand four hundre (A) 80,064 (C) 86,400  Leena and her mother made a quilt. They in each row? (A) 6 (B) 7  Jyoti walked 3 km each day. How many k (A) 42 (B) 32  Ram, Rahul and Rohit shared a bag of may were left over after the friends shared the	ed seconds in a day. F (B) 80,640 (D) 86,404  used 56 squares and (C) 8  kilometres she walke (C) 14  arbles. The bag contaitem equally? (C) 6	I made 8 rows. How many squares at  (D) 9 d in 14 days?  (D) 11 ined 272 marbles. How many marble									
3.	There are eighty-six thousand four hundre (A) 80,064 (C) 86,400  Leena and her mother made a quilt. They in each row? (A) 6 (B) 7  Jyoti walked 3 km each day. How many k (A) 42 (B) 32  Ram, Rahul and Rohit shared a bag of may were left over after the friends shared the (A) 90 (B) 91	ed seconds in a day. F (B) 80,640 (D) 86,404  used 56 squares and (C) 8  kilometres she walke (C) 14  arbles. The bag contaitem equally? (C) 6	I made 8 rows. How many squares at  (D) 9 d in 14 days?  (D) 11 ined 272 marbles. How many marble									
3.	There are eighty-six thousand four hundre (A) 80,064 (C) 86,400  Leena and her mother made a quilt. They in each row? (A) 6 (B) 7  Jyoti walked 3 km each day. How many k (A) 42 (B) 32  Ram, Rahul and Rohit shared a bag of may were left over after the friends shared the (A) 90 (B) 91  How many vertices does this pyramid have	ed seconds in a day. F (B) 80,640 (D) 86,404  used 56 squares and (C) 8  kilometres she walke (C) 14  arbles. The bag contaitem equally? (C) 6	I made 8 rows. How many squares at  (D) 9 d in 14 days?  (D) 11 ined 272 marbles. How many marble									
2. 3. 4.	There are eighty-six thousand four hundre (A) 80,064 (C) 86,400  Leena and her mother made a quilt. They in each row? (A) 6 (B) 7  Jyoti walked 3 km each day. How many k (A) 42 (B) 32  Ram, Rahul and Rohit shared a bag of may were left over after the friends shared the (A) 90 (B) 91  How many vertices does this pyramid have (A) 4 (C) 6  Start at 23.	ed seconds in a day. F (B) 80,640 (D) 86,404  used 56 squares and (C) 8  kilometres she walke (C) 14  arbles. The bag contaitem equally? (C) 6  ve? (B) 5	I made 8 rows. How many squares at  (D) 9 d in 14 days?  (D) 11 ined 272 marbles. How many marble									
2. 3. 4.	There are eighty-six thousand four hundre (A) 80,064 (C) 86,400  Leena and her mother made a quilt. They in each row? (A) 6 (B) 7  Jyoti walked 3 km each day. How many k (A) 42 (B) 32  Ram, Rahul and Rohit shared a bag of may were left over after the friends shared the (A) 90 (B) 91  How many vertices does this pyramid have (A) 4 (C) 6  Start at 23.  Count by 10 two times.	ed seconds in a day. F (B) 80,640 (D) 86,404  used 56 squares and (C) 8  kilometres she walke (C) 14  arbles. The bag contaitem equally? (C) 6  ve? (B) 5	I made 8 rows. How many squares at  (D) 9 d in 14 days?  (D) 11 ined 272 marbles. How many marble									
2. 3. 4.	There are eighty-six thousand four hundre (A) 80,064 (C) 86,400  Leena and her mother made a quilt. They in each row? (A) 6 (B) 7  Jyoti walked 3 km each day. How many k (A) 42 (B) 32  Ram, Rahul and Rohit shared a bag of may were left over after the friends shared the (A) 90 (B) 91  How many vertices does this pyramid have (A) 4 (C) 6  Start at 23.  Count by 10 two times. Add 1.	ed seconds in a day. F (B) 80,640 (D) 86,404  used 56 squares and (C) 8  kilometres she walke (C) 14  arbles. The bag contaitem equally? (C) 6  ve? (B) 5	I made 8 rows. How many squares at  (D) 9 d in 14 days?  (D) 11 ined 272 marbles. How many marble									
1. 2. 4. 6.	There are eighty-six thousand four hundre (A) 80,064 (C) 86,400  Leena and her mother made a quilt. They in each row? (A) 6 (B) 7  Jyoti walked 3 km each day. How many k (A) 42 (B) 32  Ram, Rahul and Rohit shared a bag of may were left over after the friends shared the (A) 90 (B) 91  How many vertices does this pyramid have (A) 4 (C) 6  Start at 23.  Count by 10 two times.	ed seconds in a day. F (B) 80,640 (D) 86,404  used 56 squares and (C) 8  kilometres she walke (C) 14  arbles. The bag contaitem equally? (C) 6  ve? (B) 5	I made 8 rows. How many squares at  (D) 9 d in 14 days?  (D) 11 ined 272 marbles. How many marble									

7. If  $\langle \rangle \times 4 = \sqrt{\phantom{0}}$ 

$$\bigwedge$$
 -  $\bigcirc$  = 330, then

What is  $\checkmark$  +  $\checkmark$ ?

(A) 110

(B) 440

- (C) 550
- (D) 990
- 8. Mohit solved the problem below. Which expression could be used to check his answer?

 $\frac{454}{3)1364}$  : Remainder = 2

(A)  $(454 \times 3) + 2$ 

(B)  $(454 \times 2) + 3$ 

(C)  $(454 + 3) \times 2$ 

- (D)  $(454 + 2) \times 3$
- 9. 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
- 10. Aunt Ruby's clock is shown here.

If her niece is going to pick her up in 30 minutes,

what time will be shown on the clock?

- (A) 12:10
- (B) 12:70
- (C) 1:10
- (D) 1:60

12:40

- 11. What is the best unit to use for measuring the amount of soda in a drink can?
  - (A) Millilitre
- (B) Gallon
- (C) Tablespoon
- (D) Cup

12. What is the rule for this number pattern?

- (A) Add 0, then add 1, then add 2, and so on
- (B) Multiply by 1, then multiply by 2, then multiply by 3, and so on
- (C) Multiply by 1, then add 1
- (D) Multiply by two, then subtract 1
- 13. Danny and Julie have new sticker books. Danny will put 4 stickers in his book every day and Julie will put 6 stickers in her book

every day.

How many stickers will Danny have when Julie has 30 in her book?

- (A) 20
- (B) 24
- (C) 28
- (D) 30

Day

1

2

3

Danny

4

8

12

Number

Machine

Input 8

Julie

6

12

18

? Output

**14.** 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.

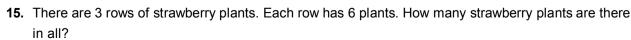
If 8 goes in, what number should come out?

(A) 32

(B) 24

(C) 16

(D) 12



- (A) 9
- (B) 18
- (C) 22
- (D) 24



## I E Q International English Olympiad

		WORD AND STR	RUCTURE 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 it in your answer she  (A) Tina is watching to (C) I like playing foot	et. television.	them is incorrect. Find the incorrect sentence and mark  (B) I lose my pen yesterday.
4.	Choose the odd one.  (A) Doctor: Stethoso  (C) Mason: Scissors	•	(B) Carpenter : Hammer
5.	Complete each word When the boy whistle (A) Un	•	
Dir	ection (Q. No. 6 to 8	): Fill in the blanks	. Choose the right answer.
6.			en she speaks English.
	(A) Make	(B) Makes	(C) Made
7.	of the	girls in the class did	not want to play football.
	(A) Little	(B) Much	(C) Some
8.	I am looking forward	the birthday par	ty.
	(A) With	(B) On	(C) To
9.	Complete the sentent My brother travelled to (A) Phoreign	•	velling of the word. tly. He likes visiting countries. (C) Foriegn
		F	READING
Dir	Red woods are among	g the world's tallest tre	agraph and choose the correct sentence. ees. They grow 200 to 300 feet high. The wood, when cut ed by weather and insects. So it is used to build houses
10.	(A) No tree is taller		ee.
	(B) Red wood trees of		
	(C) Trees grow tall al	l over the world.	
11.	(A) Red wood tree ca	an be easily destroye	d by insects.

(C) Red wood trees are suitable for making long lasting park benches.

(B) Red wood trees decay easily.

## 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 Baroda leave?

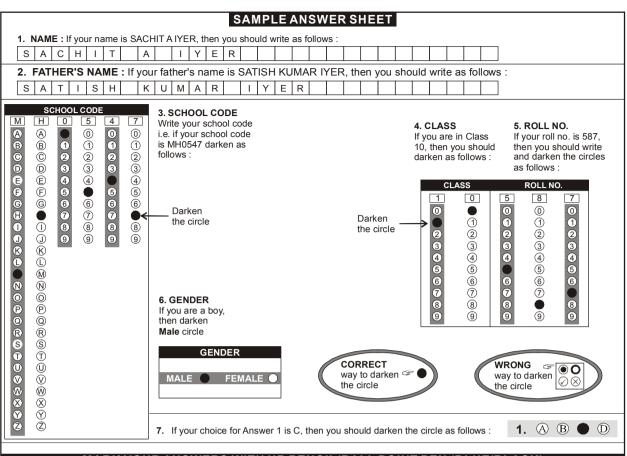
Official:.....

- (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.



## MARK YOUR ANSWERS WITH HB PENCIL/BALL POINT PEN (BLUE/BLACK)

#### **National Cyber Olympiad** 1. (A) (B) (C) (D) 2. (A) (B) (C) (D) 3. A B C D 4. (A) (B) (C) (D) 5. (A) (B) (C) (D) 6. A B C 7. (A) (B) (C) (D) 8. (A) (B) (C) (D) 9. (A) (B) (C) (D) 10. (A) (B) (C) (D) (D) 11. (A) (B) (C) (D) 12. A B C D 13. A B C D 14. A B C D 15. (A) (B) (C) (D) **National Science Olympiad** 2. (A) (B) (C) (D) 3. (A) (B) (C) (D) 1. A B C D 4. (A) (B) (C) (D) 5. (A) (B) (C) (D) 7. A B C D 8. A B C D 9. A B C D 10. A B C D 6. A B C D 13. A B C D 11. A B C 12. A B C D 14. A B C D 15. A B C D **International Mathematics Olympiad** 1. A B C D 2. A B C D 3. A B C D 4. A B C D 5. A B C D 6. A B C D 7. (A) (B) (C) (D) 8. (A) (B) (C) (D) 9. (A) (B) (C) (D) 10. (A) (B) (C) (D) 11. A B C D 12. A B C D 13. A B C D 14. A B C D 15. A B C D International English Olympiad

### **ANSWERS**

3. A B C

8. A B C

13. (A) (B) (C)

1. A B C

6. A B C

11. A B C

2. A B C

7. A B C

12. A B C

4. A B C

9. A B C

14. (A) (B) (C)

5. A B C

10. A B C

15. A B C

Γ	National Cyber Olympiad						National Science Olympiad							International Mathematics					International English					
ŀ	1.	(B)	2.	(A)	3.	(B)	1.	(C)	2.	(B)	3.	(B)	Olympiad					Olympiad						
	4.	(A)	5.	(C)	6.		4.	(A)	5.	(A)	6.	(B)	1.	(C)	2.	(B)	3.	(A)	1.	(B)	2.	(C)	3.	(B)
ŀ	7.	(D)	8.	(B)	9.	(B)	7.	(C)	8.	(C)	9.	(C)	4.	(D)	5.	(B)	6.	(B)	4.	(C)	5.	(A)	6.	(B)
ŀ	10.	(B)	11.	(A)	12.	(A)	10.	(D)	11.	(D)	12.	(C)	7.	(C)	8.	(A)	9.	(B)	7.	(C)	8.	(C)		(B)
1	13.	(A)	14.	(C)	15.	(D)	13.	(B)	14.	(C)	15.	(A)	10.	(C)	11.	(A)	12.	(B)	10.	` '	11.	( - )		(A)
		. ,		. ,		, ,		` '		` ′		` ′	13.	(A)	14.	(B)	15.	(B)	13.	(C)	14.	(B)	15.	(A)