

CLASS 2

NCO, NSO, IMO, IEO

Sample Paper 2014





SAMPLE PAPER
2014-15

CLASS

2

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 – I (Mental Ability) : Numerals and Number Names (3 digit numbers), Addition, Subtraction, Multiplication as Repeated Addition, Temperature, Time, Calendar, Measurement of Length and Weight, Geometrical Shapes, Money.

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

Section – III (Computers and IT) : Introduction to Computers, General Information about Computers, Parts of Computer, Uses of Computer, Learning to use Keyboard and Mouse, Introduction to 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.



NATIONAL CYBER OLYMPIAD

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 (Mental Ability) : Numerals, Number Name and Number Sense (3 digit numbers), Addition, Subtraction, Time, Calendar, Measurement of Weight, Length and Temperature, Geometrical Shapes, Money, Problems Based on Figures, Series Completion, Patterns, Find Odd Numeral Out.

Section – II (Science) : Plants, Animals, Human Body, Family, Food, Housing and Clothing, Occasions and Festivals, Occupation, Good Habits and Safety Rules, Transport and Communication, Earth and Universe.

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



NATIONAL SCIENCE OLYMPIAD

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 Name, Number Sense (3 digit numbers), Money, Measurement of Length (conversions), Weight, Time and Temperature, Calendar, Point, Line and Plane Figures, Problems Based on Figures, Patterns, Series Completion, Find Odd Numeral Out, Geometrical Shapes.



INTERNATIONAL MATHEMATICS OLYMPIAD

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

SYLLABUS

Section-I (Word and Structure Knowledge) : Nouns, Articles, Pronouns, Simple tenses, Prepositions, etc.

Collocations, Spellings, Words related to animals, Clothes, Body parts, Basic emotions, Food, Animals, Animal sounds, etc.

Section-II (Reading) : Search for and retrieve information from various text types like stories, short dialogues, 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 thanking, greeting, asking for permission, introducing (oneself), etc.

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



INTERNATIONAL ENGLISH OLYMPIAD

IN ASSOCIATION WITH





National Cyber Olympiad

MENTAL ABILITY

1. Which set of numbers will give the greatest value?

P $3+3$	Q $8+2$	R $3+6$	S $5-4$
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(A) P (B) Q (C) R (D) S

2. 7 groups of _____ make 49.

(A) 9 (B) 7 (C) 4 (D) 3

3. I am thinking of a number. When I double the number and add 9 to the result, the answer is 29. What is the number I am thinking of?

(A) 38 (B) 29 (C) 18 (D) 10

4. In science class, Samir recorded the following amount of rainfall for a 4-day period as given in the table.

On what day of the week did Samir record the least amount of rainfall?

(A) Monday (B) Tuesday (C) Wednesday (D) Thursday

AMOUNT OF RAINFALL RECORDED

Day of Week	Amount of Rainfall
Monday	4 mm
Tuesday	2 mm
Wednesday	6 mm
Thursday	8 mm

LOGICAL AND ANALYTICAL REASONING

5. Mr. Narayan is lining up his students in this order:

girl, girl, boy, boy, girl, girl, boy, boy, girl, girl, boy, ? ?

If he continues the same pattern, what are the next two students in the line?

(A) Boy, boy (B) Boy, girl (C) Girl, boy (D) Girl, girl

6. Find the odd one out.

(A) 345 (B) 351 (C) 376 (D) 367

COMPUTERS AND INFORMATION TECHNOLOGY

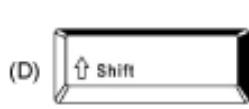
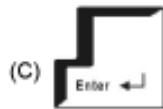
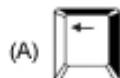
7. Computers control the working of _____.

(A) Digital cameras (B) DVD players
(C) Digital watches (D) All of these

8. The device which is used to store information is _____.



9. This is the key which is used to give space after words, alphabets or numbers. If pressed once, it gives the space of one character. It is



10. CPU is called the brain of the computer. What does CPU stand for?

(A) Control Processing Unit (B) Calculations Processing Unit
(C) Central Processing Unit (D) Computer Processing Unit

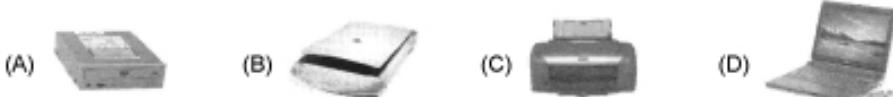
11. A blinking symbol on the screen that shows where the next character will appear is _____.
 (A) Delete key (B) Arrow key (C) Cursor (D) Return key

12. Using a computer, we can _____.
 (A) Forecast weather (B) Eat food (C) Cook food (D) Swim in a pool

13. There are _____ shift keys on a standard keyboard.
 (A) One (B) Two (C) Three (D) Four

14. MS Paint can be used to _____.
 (A) Paint (B) Open images
 (C) Edit scanned photographs (D) All of these

15. A light-weight & compact machine, capable of doing everything which a desktop computer can do, is called _____.



National Science Olympiad

MENTAL ABILITY

1. Look at the number sentence below.
 $27 + \square = 37$
 Which number is missing from the number sentence?
 (A) 0 (B) 10 (C) 17 (D) 64

2. Dolly made the number pattern below.
 3, 6, 9, ?, ?, 18
 Which two numbers are missing from the pattern?
 (A) 10, 11 (B) 12, 15 (C) 13, 15 (D) 19, 20

3. The table below shows how many minutes Raghav practiced playing the piano last weekend.
 Raghav's Piano Practice

Day	Time (in minutes)
Friday	25
Saturday	30
Sunday	29

How many minutes did Raghav practice playing the piano in all?
 (A) 74 minutes (B) 79 minutes (C) 84 minutes (D) 85 minutes

4. Raghu's cat had 8 kittens as shown below. Anu kept 4 of Raghu's kittens. How many kittens did Raghu have now?



(A) 1 kitten (B) 2 kittens (C) 4 kittens (D) 6 kittens

5. Which clock shows 3 : 20?



SCIENCE

6. The given figure shows a black box containing an object. Kunal put his hand into the box and made the following comments.

It is cold.
It is rough.
It is hard.



Which sense organ is involved for Kunal to make these descriptions?

(A) Ear (B) Skin (C) Tongue (D) Nose

7. My father's nephew or niece is my

(A) Cousin (B) Uncle (C) Aunt (D) Brother-in-law

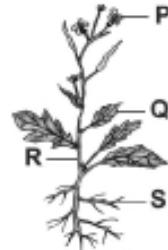
8. The person in the given figure is a/an

(A) Doctor
(B) Soldier
(C) Diver
(D) Astronaut



9. Which part of the given plant produces seeds?

(A) P
(B) S
(C) Q
(D) R



10. Which of the following modes of transport does not have an engine and are not pulled by animals?

(A) Cycle (B) Tonga (C) Jeep (D) Car

11. To which place of worship does Sikhs go to pray?

(A) Temple (B) Mosque (C) Church (D) Gurudwara

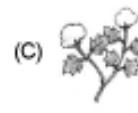
12. Which of the following yields fibre?



Barley



Tea



Cotton



Mustard

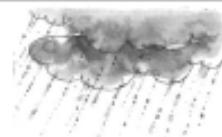
13. If you face the rising Sun in the morning, the direction on your left is

(A) North (B) South
(C) East (D) West



14. The given figure represents which of the following seasons?

(A) Spring (B) Summer
(C) Monsoon (D) Winter



15. Which of the following is the correct order of planets from nearest the sun to farthest?

(A) Mars, Earth, Venus, Mercury (B) Mercury, Venus, Earth, Mars
(C) Mercury, Mars, Earth, Venus (D) Venus, Mars, Earth, Mercury



International Mathematics Olympiad

1. The largest two digit number is _____.

(A)

0	1
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 (B)

1	0	0
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 (C)

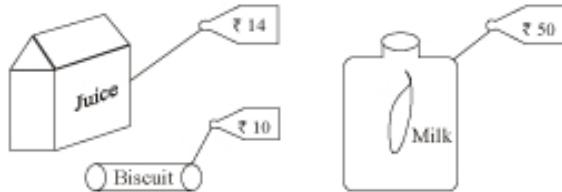
9	0
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 (D)

9	9
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2. There are 684 pupils in a school. 297 of them are boys. How many girls are there in the school?
(A) 388 (B) 387 (C) 487 (D) 587

3. What is the total cost of the food items displayed ?



(A) ₹ 74 (B) ₹ 84 (C) ₹ 64 (D) ₹ 70

4. The number of triangles in the given figure are _____.



(A) 3 (B) 4 (C) 5 (D) 0

5. What will come next in the sequence ?



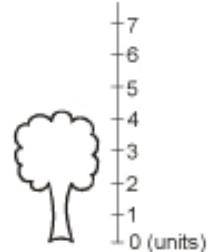
6. The height of the tree is _____.

(A) 6 units

(B) 4 units

(C) 5 units

(D) 7 units



7

6

5

4

3

2

1

0 (units)

7. In 278, 2 is in which place ?

(A) Ones (B) Hundreds (C) Tens (D) None of these

8. 5 Hundreds, 1 ones and 5 tens will make _____.

(A) 551 (B) 510 (C) 155 (D) 515

9. There are 15 beetles. Ring the beetles into group of 3. How many groups will be formed ?

(A) 5 (B) 6 (C) 4 (D) 3

10. When arranged in order from the smallest to the biggest, which number will be at last position in the sequence?

21, 12, 79, 63, 36, 47

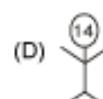
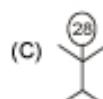
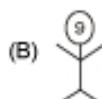
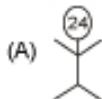
(A) 79 (B) 36 (C) 47 (D) 12

11. Anupriya had ₹ 90. She bought a pair of scissors for ₹ 60. How much amount she has now ?

(A) ₹ 30 (B) ₹ 40 (C) ₹ 35 (D) ₹ 25

12. Mrs. Tanuja bakes 20 cup cakes. If she packs 4 cup cakes in one box, how many boxes does she need to pack all the cakes ?
 (A) 7 boxes (B) 6 boxes (C) 5 boxes (D) 3 boxes

13. The kite flying in the sky belongs to which boy ?



14. There are 3 stars on a flag. There are 7 such flags. How many stars are there altogether ?



(A) 20

(B) 21

(C) 28

(D) 27

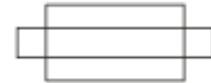
15. How many sleeping lines are there in the given figure?

(A) 2

(B) 5

(C) 4

(D) 6



International English Olympiad

WORD AND STRUCTURE KNOWLEDGE

1. Find the odd word.
 (A) Airport (B) Lake (C) Airplane

2. Choose the right spelling.
 (A) Elephant (B) Elaphent (C) Elefant

3. Choose the right word.



The children are
 (A) Dancing (B) Singing (C) Playing

Direction (Q. No. 4 and 5) : Fill in the blanks with the right word.

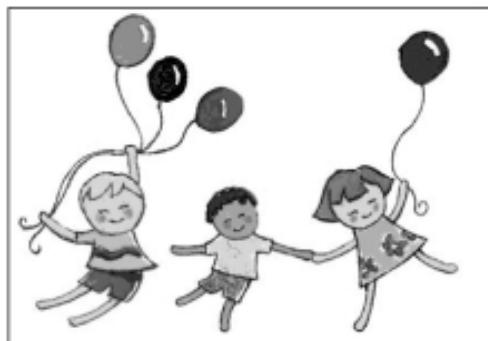
4. The earth is like a ball.
 (A) Round (B) Square (C) Triangle

5. I am brown and furry. I am a
 (A) Duck (B) Bear (C) Penguin

Direction (Q. No. 6 to 9) : Fill in the blanks.

6. He is tall boy.
 (A) An (B) A (C) The

READING



Direction (Q. No. 10 and 11) : Choose the right sentence.

10. (A) The children are playing with a ball. (B) The children are flying kites.
(C) The children are playing with balloons.

11. (A) Ravi has two balloons. (B) Rakhi has one balloon.
(C) Salim has one balloon.

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

Something smells good in the kitchen,
Sugary, spicy and sweet.
A pudding? A pie? What can it be?
Mom's making a special treat.
So I peep into the kitchen
And as you all can see,
That sugary, spicy, sweet surprise
Is a Birthday Cake for me!

12. What is Mom making in the kitchen?
(A) A pudding (B) Sugar (C) A Birthday Cake

13. What kind of a surprise is it?
(A) Shocking (B) Sweet (C) Good

SPOKEN AND WRITTEN EXPRESSION

Direction (Q. No. 14 and 15) : Choose the right answer.

14. Tom: Jerry! Please have some cheese.
Jerry:
(A) I am not a teacher, Tom. (B) Thank You, Tom.
(C) The train is late, Tom.

15. Sita was studying in study room.
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