

Class

NATIONAL CYBER OLYMPIAD

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Total Questions : 50

- 1. Additional 10 (Ten) minutes will be given to the students to fill up the students' information before the start of the exam.
- 2. The paper consists of three sections -Mental Ability (15 Questions), Logical and Analytical Reasoning (15 Questions) and Computers and Information Technology (20 Questions).
- 3. All questions are compulsory and carry equal marks. There is no negative marking. Use of calculator is not permitted.
- 4. Write your Name, Roll No., and Class clearly on the Answer Sheet and do not forget to sign.
- 5. There is only one correct answer hence mark one choice only.
- 6. Darken your choice with HB Pencil or Blue/Black Ball Point Pen. For Example:

Q.16: 8 bits equal

(A) 1 byte (B) 1 KB (C) 1 MB (D) 1 GB

As the correct answer is option No. (A), the candidate should darken the circle (A)

- 7. Rough work should be done in the blank space provided in the booklet.
- 8. Return the answer sheet to the invigilator at the end of the exam. The question paper can be retained by the



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11th NCO | SOF

(A)

3 7. John drew a robot using only rectangles and hexagons. Which could be John's

Class 5

MENTAL ABILITY

1. The given bar graph shows the number of vegetables sold in a grocery shop during the week.

Which of these statements is false from the information in the graph? (A) Fewer cucumbers were sold than

- (B) The same number of potatoes and carrots were sold.
- (C) More onions were sold than all other vegetables.
- (D) Turnips were sold the least.

2. In the cafeteria at a school, there are 8 tables for each grade.

Which grade can have exactly 9 students

- (A) First Grade
- (B) Second Grade
- (D) Fifth Grade

Vegetables

schoo	1
Kindergarten	71
First Grade	64
Second Grade	81
Third Grade	63
Fourth Grade	80
Fifth Grade	72

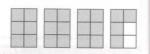
Students in each grade at

sitting at each table ?

(C) Third Grade

3. On Saturday, 2,759 people went to the afternoon concert and 6,387 people went to the night concert. About how many people went to the concert on Saturday ? (A) 4,000 (B) 6.000 (C) 8,000 (D) 9,000

- 4. Which mixed fraction represents the shaded parts of the model ?
 - (A)
- (C) 42
- (D) 4-



5. Mohit has 30 tokens to use on games at the video games parlour. For each game he plays, he uses the same number of tokens. If Mohit plays 5 different games, which number sentence could be used to show the number of tokens he can use on each game ?

- (A) 30 + 5
- (B) 30 5
- (C) 30 × 5
- (D) 30 ÷ 5
- 6. Which list contains only one prime number ?
- (A) 3, 4, 5, 6
- (B) 6, 9, 10, 11
- (C) 4, 10, 12, 21
- (D) 7, 11, 13, 17



20 m

50 m

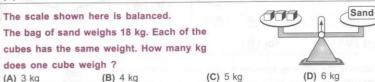
8. A drawing of Misha's garden is shown here. What is the perimeter of the garden?

- (A) 130 m
- (C) 160 m

(A) 3 kg

(B) 150 m

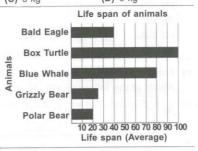
(D) 180 m



10. The given bar graph shows the average life span of some animals. Which animal has an average life span

that is five times longer than the average life span of a polar bear ?

- (A) Bald Eagle
- (B) Box Turtle
 - (C) Blue Whale
 - (D) Grizzly Bear



11. The students at Maple Public School are selling flowers. Their goal is to sell 1500

On the first day, the students sold 547 flowers.

(B) 308

On the second day, the students sold 655 flowers.

How many flowers must the students sell on the third day to meet their goal ? (D) 2702 (C) 1202

12. What is the value of $48 - 8 \times 4 - 6 \div 2$?

(B) 13 (A) 5

(C) 19

(D) 77

- 13. There are 20 red and 24 green pencils in a shop. The shopkeeper wants to distribute them equally in boxes. The largest number of pencils that can be put in each box is
 - (A) 4

(A) 298

- (B) 6
- (C) 12
- (D) 8

Class 5		4	SQF 11th NCO	11th NCO SQF		5		Class 5
14. Manali was mal Which of the fo (A) VX	king the house number ollowing cannot be her (B) IXIV	r board for her hous	se using Roman numbers.	23. How many squares (A) 5 (C) 8	are there in	unconstruction of the last	print grate sens	Class
June 10 th . Num (A) 46	closed for summer ber of holidays are (B) 45 LOGICAL AND ANA	(C) 44	(D) 47	24. What is the digit in pattern ?	the one's pl		duct of 5 th Patt Patt	ern 1: 2 ern 2: 2 × 2 ern 3: 2 × 2 × 2
	(B) 100	F-N-1	(D) 700	25. Samrat used a patt What rules did he	ern for the g use to go fr	jiven table.	(2) (4)	(4)
17. Which is the he	eaviest ball ?	100		second number to			Second Numbe	r Third Number
(A) (A)	(1) (2)	BA	S (C)	(A) Add 8, subtract 3		12	4	7
(A) (A)	(B) (B) (A)	In rise 9 and 81 and 81	C D	(B) Add 8, add 3	. C	10	7	10
(C) C	(D) D	common months and classes	State Multiple to District	(C) Subtract 8, subtra (D) Subtract 8, add 3		17	9	10
	ece of paper and cuts llowing will she get w			Input Number Num Mach Input Number If n is the input num create each output (A) 2n-2	Output Number, which number? (B) 2n	(C) 2	Number Machine ld be the rule the	Output Number
(A) R 21. If "WHOLE" is a (A) EYNOM	(B) Coded as "LEHOW" the	(C) WIII be	(D) EYONM	27. On the map, each represents 1 kilome How much farther of than he lives from (A) 3 km (B) 5 km (C) 8 km (D) 13 km	etre. does Raj live	from the Park	Post Of	Park
far did she cycle (A) 950 (B) 850 (C) 800 (D) 1050	e altogether ? agendance off going a next sett elloned to set	A 250 az	B C 300	28. Mr. Abhay drew this He asked his class (A) All the figures hav (B) All the figures hav (C) All the figures hav (D) Number of sides i	to find the reverse to fin	rule for his patt each time e each time te angle each time	e first sec	ond third fourth

Class 5 SPF 11th NCO	11 th NCO SQF
29. Kartik has an apple, an orange and a banana. He is only allowed to have 2 fruits for his snack. How many different combinations of 2 fruits could Kartik choose for his snack?	38. Which of these mathematical expressions uses a superscript character ? $6^3, \frac{1}{4}, 36\%, \sqrt{5}$ (A) 6^3 (B) $1/4$ (C) 36% (D) $\sqrt{5}$
(A) 2 (B) 3 (C) 6 (D) 9 30. Roy made the given pattern: SODO SODO SODO SODO SODO SODO SODO SOD	39. When viewing a video file, which button takes you to the final frame? (A) 1 (B) 2 (C) 3 (D) 4
 31. Meeku is setting up his new e-mail account. He needs to create a new password to ensure privacy and security. Which of the following should he do? (A) Pick a password used by another person. (B) Use personal information for the new password. (C) Pick random letters for the new password. (D) Use a combination of words and numbers for the new password. 	10. Multimedia is used in (A) Education (B) Advertising (C) Playing Games (D) All of these 41. Which device is used as the standard pointing device in a Graphical User Environment? (A) Keyboard (B) Mouse (C) Joystick (D) Track ball
32. A network of computers and other devices that is confined to a relatively small space is known as (A) Global Network (C) Peer-to-peer Network (D) Metropolitan Network 33. A is a website in which information is posted on a regular basis.	 42. Victor Middle School purchased a single-user copy of a word processing program. They may do which of the following? (A) Copy it onto all the computers in the lab. (B) Use it on only one computer in the lab. (C) Use it on all the computers in the classroom. (D) Duplicate the disk and give it to everyone in the class.
(A) Forum (B) Blog (C) Browsing (D) Chatting 34. Multimedia is a combination of a few components, which are (A) Audio, video and animations (B) Coreldraw, MS-Access, Pagemaker (C) Operating system, MS word, Text effect (D) None of these	43. You have copied and pasted an image of a Tasmanian bird from the internet into a word processor document. Which handle should you drag to keep the image in the same proportions while re-sizing it? (A) 1 (B) 2 (C) 3 (D) 4
35. By default, your documents print in mode. (A) Landscape (B) Portrait (C) Page setup (D) Print view	44. Figure 1 was rotated to form Figure 2.
36. Why can't you just start typing text on a blank PowerPoint slide? (A) You should use MS-Word if you want to type text. (B) The only way to add text is through the Autocontent wizard. (C) You need to select the Autotext button. (D) You must draw a textbox first.	Which handle in Figure 1 was used to rotate the image? (A) 1 (B) 2 (C) 3 (D) 4 Figure 1 Figure 2
37. What is a slide-show in PowerPoint? (A) A special effect used in slide transitions. (B) A series of slides displayed in sequence. (C) The term for an individual slide in PowerPoint. (D) The button used to preview the slide you are currently working on.	45. Your history assignment is over 30 pages long. You want to include the page number at the bottom of each page. What would be the best method to do this? (A) Insert a reference line. (B) Type in each page number. (C) Insert the page number in the footer. (D) Insert the page number in the header.

	8	SQF 11 th NCO
	Vhat could you do (B) Turn o	
ERIALS\year 10\r	reactions.doc has been accesse (B) year 1	med lanff art of poy resided?
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