

المدرسة الهندية  
الجديدة  
أم القيوين



THE NEW  
INDIAN SCHOOL  
Umm Al Quwain

**THE NEW INDIAN SCHOOL**

**UMM AL QUWAIN**

**NIS CYBER OLYMPIAD  
QUESTION BANK**

**Organized by: I.T. Department**

**For**

**GRADE:4**

## National Cyber Olympiad

Note: The syllabus of NCO is based on Windows 7 and MS Office 2010. The test paper is divided into three sections.

### Sample Questions

#### LOGICAL REASONING

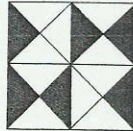
1. What is the next number in the pattern below?

125, 150, 175, 200, ...?....

- (a) 205 (b) 215  
(c) 225 (d) 250

2. How many lines of symmetry are there in the given figure?

- (a) 0 (b) 1  
(c) 2 (d) 3



3. Study the given arrangement carefully.



Which strawberry is third to the right of fourth strawberry from the right end?

- (a) (b) (c) (d)

#### TECHNOLOGY

4. Monika is creating a presentation on the computer. In between she decides to take a short break for about 10 minutes. What should she do such that her computer does not consume much electricity in that mode and the content of her desktop is not lost?

- (a) She should shut down the computer  
(b) She should log off from the computer  
(c) She should set the computer in the sleep mode.  
(d) She should restart the computer.

5. Internet can be used for \_\_\_\_\_.

- (a) Checking exam results  
(b) Chatting  
(c) E-mailing  
(d) All of these

6. Which of the following is NOT present in a tablet computer?

- (a) Touchscreen (b) Floppy drive  
(c) CPU (d) Internal battery

7. When your desktop is cluttered with open windows, you can use \_\_\_\_\_ to select a single window and minimize the rest.

- (a) Aero Peek (b) Aero Shake  
(c) Aero Steer (d) Aero Flip

8. You have drawn the fish as shown in the image using the Pencil tool in MS Paint of Windows 7. Which of the following is the best tool to color the fish?



- (a) (b) (c) (d)

9. You are sending an e-mail to Sharmaji. You also want Vermaji to know that you have sent the e-mail to Sharmaji. However, you do not want Sharmaji to know that Vermaji also knows about the e-mail.

- (a) To: (b) CC: (c) BCC: (d) Any of these

10. Which of the following CANNOT be done using the jump list shown on right clicking an icon on the taskbar?

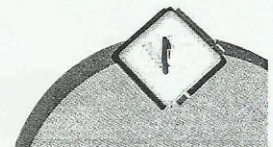
- (a) Pin/Unpin a file in the Jump menu  
(b) Show and Hide desktop  
(c) Open frequently viewed files  
(d) Close window

11. The given image represents a/an \_\_\_\_\_.

- (a) Bluetooth headset  
(b) Microphone  
(c) Google Glasses  
(d) iPod

12. Which of the following hardware is NOT a peripheral?

- (a) (b)   
(c) (d)



13. Internet is NOT used to \_\_\_\_\_.
- Publish your own article
  - Watch favourite TV show
  - Buy books online
  - Travel from one place to another
14. Which of the following helps you in Video chatting over the internet?

- Skype
- Facebook
- Google Hangouts
- All of these



15. Pick the odd one out.

- AVG
- 
- 
- 

16. Which of the following is offered by the given wearable device?

- GPS technology
- Wi-Fi connectivity
- Bluetooth connectivity
- All of these



17. Which of the following is NOT a social networking site?

- g+
- facebook
- Linked in
- Google

18. The mouse pointer changes to when you click \_\_\_\_\_ option in MS-Word 2007.

- Cut
- Copy
- Format Painter
- Paste

19. Which of the following Background options in MS-Paint of Windows 7 is selected in the given text?

### COMPUTER

(If Color 1 and Color 2 option are set as follows: )

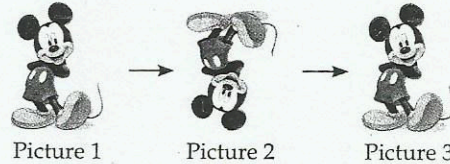
- Transparent
- Opaque
- Arial
- Skew

20. Random Access Memory (RAM) is installed in which of the following devices.

- 
- 
- 
- All of these

21. Which of the following options will transform the Picture 1 into Picture 2 and then from Picture 2 to Picture 3 in MS-Paint of Windows?

- Rotate 180°, then again Rotate 180°
- Flip horizontal, then again Flip vertical
- Rotate left 90°, then Flip vertical
- Skew vertical, then skew horizontal



22. Which of the following is a Fifth generation technology?

- Internal based applications
- PARAM supercomputers
- Vacuum tubes
- Both A and B

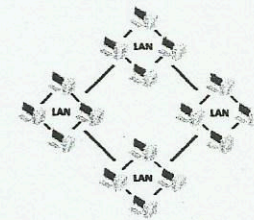
23. In MS-Word, which color wavy line under a word indicate a spelling or grammar mistake?

- Red
- Green
- Yellow
- Both (a) and (b)

### ACHIEVERS' SECTION

24. Which of the following types of network is used to connect the LANs shown in the given image?

- CAN
- PAN
- WAN
- SAN



25. Which of the following is both an input and output device? Unscramble the words in options and find the correct option.

- STCEREHONUC
- PTCAOHUD
- EMOSSU
- CASNREN

26. Which of the following is used to preview the file in Windows Explorer pane?

- 
- 
- 
- None of these

### Answers

- |      |      |      |       |       |       |       |       |       |
|------|------|------|-------|-------|-------|-------|-------|-------|
| 1. c | 4. c | 7. b | 10. b | 13. d | 16. d | 19. b | 22. d | 25. a |
| 2. a | 5. d | 8. b | 11. a | 14. a | 17. d | 20. d | 23. d | 26. a |
| 3. d | 6. a | 9. b | 12. d | 15. a | 18. c | 21. a | 24. c |       |

# National Cyber Olympiad

## Sample Questions

- Which of these memory units is equivalent to 1024 MB?  
(a) 1 KB (b) 1024 B  
(c) 1 GB (d) 1 TB
- The small picture representing a program is known as a(an)  
(a) Icon (b) File  
(c) Folder (d) Drive
- Which of these can consist of files as well as folders?  
(a) File (b) Disk drive  
(c) Folder (d) Both (b) and (c)
- Which of these is the extension of a presentation file?  
(a) .pptx (b) .pppx  
(c) .bmp (d) .wmp
- Which of these is not a secondary storage device?  
(a) Pen drive (b) CD  
(c) Hard disk (d) ROM
- Which of these refers to the electronic form of the output stored in a computer?  
(a) Hard copy (b) Soft copy  
(c) Printed copy (d) None of these
- What is Windows 8?  
(a) Application software (b) Hardware  
(c) Operating system (d) Input device
- Find the odd one out.  
(a) LCD (b) OLED  
(c) Touchpad (d) CRT
- Which of these printers sprays ink on a sheet of paper forming characters?  
(a) Laser printer (b) Inkjet printer  
(c) Dot matrix printer (d) None of these

10. Which of these is an example of first generation computers?
- (a) EDVAC (b) CDC 3600  
(c) PDP II (d) Apple II
11. Personal computers and laptops are the examples of
- (a) Minicomputers (b) Supercomputers  
(c) Microcomputers (d) Mainframe computers
12. Which shortcut key is used to open an already existing document in MS Word?
- (a) Ctrl+N (b) Ctrl+O  
(c) Ctrl+P (d) Ctrl+E
13. Which of these primitives is used to change the colour of the turtle pen?
- (a) PPT (b) PU  
(c) PD (d) SETPC
14. Which of these primitives of LOGO is used to hide the turtle?
- (a) HT (b) ST  
(c) PU (d) PE
15. Which of these is the type of text alignment in MS Word?
- (a) Align Left (b) Align Right  
(c) Justify (d) All of these
16. Which of these Magic tool effects of Tux Paint is used to fill colours in the drawing?
- (a) Fill (b) Fill Colors  
(c) Bucket (d) Color
17. Find the odd one out.
- (a) Scanner (b) Joystick  
(c) Light pen (d) Printer
18. Which of the following devices consists of a specialised surface that translates the motion of your finger to a relative position on the screen?
- (a) Touchpad (b) Touch screen  
(c) Light pen (d) Trackball
19. Which of the following refers to the simulation of movement created by displaying a series of pictures (handmade drawings or cartoon images) one after the other?
- (a) Animation (b) Video  
(c) Image (d) All of these



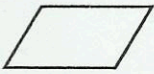

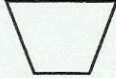
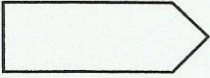
20. Which of the following refers to an artificial environment created the computer hardware and software and presented to the user in a way that it appears real?
- (a) Video (b) Animation  
(c) Multimedia (d) Virtual reality
21. Which of these Magic tool effects of Tux Paint is used to create the mirror ir of the image?
- (a) Mirror (b) Shift  
(c) Flip (d) Rotate
22. Which of these buttons in Tux Paint is used to set the speed of the slide show?
- (a) Play (b) Timeline  
(c) Timer (d) Sliding scale
23. Which of these is the correct way of writing in capital letters in Word?
- (a) Hold down the Shift key and type the letters.  
(b) Turn on the Caps Lock key and start typing.  
(c) Hold down the Ctrl key and type the letters.  
(d) Both (a) and (b).
24. Which of these primitives in LOGO is used to make the turtle work as an e and erase the line by moving the turtle over it?
- (a) PU (b) PD  
(c) PE (d) PPT
25. Which tool selects any formatting applied to the existing text and ap the same formatting to the text it is painted over?
- (a) Format Painter (b) Font style  
(c) Font type (d) None of these
26. Which of these components of PowerPoint window lets you add special comr to your presentation?
- (a) Placeholder (b) Comments pane  
(c) Slides pane (d) Notes pane
27. Which of these is the built-in computer dictionary used to find the synonyms antonyms of a particular word?
- (a) Spelling and Grammar (b) AutoCorrect  
(c) Thesaurus (d) English dictionary

28. Which of these is the correct way of inserting a new slide in the presentation?  
(a) Click the New Slide button in the Slides group on the Home tab.  
(b) Press Ctrl+N.  
(c) Click the Insert tab and then click New Slide button.  
(d) All of these
29. Which of these features of MS Word helps you create a list of items?  
(a) Lists (b) Paragraph  
(c) Bullets and Numbering (d) Font
30. Which of the following does not come under Windows Accessories?  
(a) Calculator (b) Notepad  
(c) Sticky Notes (d) Microsoft Office
31. Which of the following filename extensions is used for a Word document?  
(a) .pptx (b) .docx  
(c) .txt (d) .mp3
32. Which of the following Magic tool effects is used to draw a real rainbow?  
(a) Real Rainbow (b) Rainbow  
(c) Flower (d) Color palette

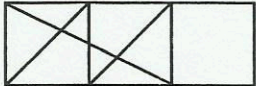
### ANSWERS

- |         |         |         |         |         |
|---------|---------|---------|---------|---------|
| 1. (c)  | 2. (a)  | 3. (d)  | 4. (a)  | 5. (d)  |
| 6. (b)  | 7. (c)  | 8. (c)  | 9. (b)  | 10. (a) |
| 11. (c) | 12. (b) | 13. (d) | 14. (a) | 15. (d) |
| 16. (a) | 17. (d) | 18. (a) | 19. (a) | 20. (d) |
| 21. (a) | 22. (d) | 23. (d) | 24. (c) | 25. (a) |
| 26. (b) | 27. (c) | 28. (a) | 29. (c) | 30. (d) |
| 31. (b) | 32. (a) |         |         |         |

## Mental Ability

1. Hill 1 is 5,729 m high. Hill 2 is 4,049 m high. How much higher is Hill 1 than Hill 2?  
a. 1,720 m  b. 680 m  c. 1,680 m  d. 1,239
2. A triangle with all sides of unequal length is called:  
a. Scalene  b. Isosceles  c. Equilateral  d. All of these
3. Aman drew a figure with 4 square corners. Which could be the figure he drew?  
a.  b.  c.  d.
-    
4. 1 litre is:  
a. 10 decilitres  b. 10 centilitres  c. 10 millilitres  d. 100 decilitres
5. What would be the next 3 numbers in this pattern?  
9, 12, 15, 18, 21, 24, 27, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
a. 33, 36, 39  b. 30, 33, 36  c. 28, 29, 30  d. 30, 32, 34

## Logical and Analytical Reasoning

6. A is 40 m South West of B. C is 40 m South East of B. C is in which direction of A?  
a. South  b. West  c. East  d. North West
7. How many triangles are there in the following figure?  
a. 15  b. 18   
c. 17  d. 20
- 
8. Mary walked 3 km each day. How many kilometers had she walked after 14 days?  
a. 42  b. 32  c. 14  d. 11
9. Start at 23. Count by 10 two times. Add 1. What number are you at?  
a. 33  b. 44  c. 55  d. 45
10. If the day before yesterday is two days after Monday then what day is it today?  
a. Monday  b. Tuesday  c. Wednesday  d. Saturday
11. Look at this series 53, 53, 40, 40, 27, 27, \_\_\_\_\_. What number should come next?  
a. 12  b. 14  c. 27  d. 53
12. Book: Pages School: \_\_\_\_\_  
a. Student  b. Report Card  c. Test  d. Learning
13. Which word does NOT belong with the others?  
a. Rose  b. Tulip  c. Bud  d. Daisy
14. Cup is to coffee as bowl is to:  
a. Dish  b. Soup  c. Spoon  d. Food




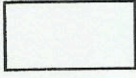
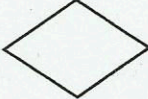
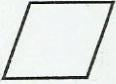


15. Tanya is older than Eric. Cliff is older than Tanya. Eric is older than Cliff. If the first two statements are true, the third statement is:

- a. True  b. False  c. Uncertain  d. Not applicable

### Computers and Information Technology

16. The symbol in the flowchart that represents an operation such as storage of data or any arithmetic operation is:

- a.   b.   c.   d. 

17. 1024 bytes equals

- a. 1 Kilo byte (KB)  b. 1 Mega byte (MB)   
c. 1 Giga byte  d. 1 Character

18. Who among the following is known as father of computers?

- a. Charles Babbage  b. John Napier   
c. Blaise Pascal  d. Lady Ada Augusta Lovelace.

19. Which command will move the LOGO cursor in forward direction?

- a. FD  b. BK  c. LT  d. RT

20. What is the remainder when 10 is divided by 3?

- a. 1  b. 3  c. 2  d. 0

21. This key is used to move cursor to the beginning of the line or the screen depending on the software used. Identify the key:

- a. Enter key  b. Home key  c. End key  d. PgUp key

22. The brain of any computer system is:

- a. ALU  b. CPU  c. CU  d. MU

23. A computer virus is:

- a. A worm that crawls inside your processor.   
b. A germ that gets into your computer and makes it crash.   
c. An infection from dirty keyboards.   
d. A program written to disrupt computer operations.

24. While working with MS Paint which option is used to add name to your drawing?

- a. Text tool  b. Pencil  c. Edit  d. Brush

25. Which symbol is used for multiplication while doing calculations in computers?

- a. /  b. x  c. \*  d. %

26. The arrangement of alphabets in the first row of the keyboard is in this order:

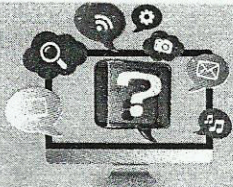
- a. QWEST  b. QWERTY  c. Game  d. None

27. The Start button is located:  
 a. Title Bar  b. Menu Bar  c. Task Bar  d. None
28. How many function keys are available in a standard keyboard?  
 a. 10  b. 12  c. 14  d. 9
29. What is the file extension for MS Word file?  
 a. .txt  b. .doc  c. .wrđ  d. .msw
30. Physical parts of a computer are called:  
 a. Software  b. Hardware  c. User  d. None
31. The tool used to select an irregular shape in MS Paint is:  
 a. Free-Form Select  b. Curve  c. Polygon  d. Pencil
32. The longest key on the keyboard:  
 a. Tab key  b. Space Bar key  c. Enter key  d. Backspace key
33. This is not an arithmetic operator:  
 a. +  b. -  c. @  d. \*
34. The \_\_\_\_\_ tool is used to spray colors:  
 a. Magnifier  b. Pencil  c. Brush  d. Airbrush
35. Which machine is used to print the output on a paper?  
 a. Monitor  b. Keyboard  c. Printer  d. None

## ANSWER SHEET

Darken your choice with a HB pencil

- |   |   |   |
|---|---|---|
| 1. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d  | 13. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d | 25. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d |
| 2. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d  | 14. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d | 26. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d |
| 3. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d  | 15. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d | 27. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d |
| 4. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d  | 16. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d | 28. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d |
| 5. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d  | 17. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d | 29. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d |
| 6. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d  | 18. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d | 30. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d |
| 7. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d  | 19. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d | 31. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d |
| 8. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d  | 20. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d | 32. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d |
| 9. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d  | 21. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d | 33. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d |
| 10. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d | 22. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d | 34. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d |
| 11. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d | 23. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d | 35. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d |
| 12. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d | 24. <input type="checkbox"/> a <input type="checkbox"/> b <input type="checkbox"/> c <input type="checkbox"/> d |   |



# National Cyber Olympiad Practice Sheet

1. Which generation of computers used transistors in place of vacuum tubes?  
(i) First generation (ii) Second generation  
(iii) Third generation (iv) Fourth generation
2. What is referred to as a closed path along which electricity flows?  
(i) Vacuum tube (ii) Circuit  
(iii) Transistor (iv) Chip
3. Which of these shortcuts would you use to copy a selected piece of text?  
(i) Ctrl+C (ii) Ctrl+X  
(iii) Ctrl+V (iv) Ctrl+S
4. Which of these will not be able to give you a printout of your work on paper?  
(i) Dot matrix (ii) Laserjet  
(iii) Inkjet (iv) Barcode scanner
5. Which of these is first loaded into a computer's memory?  
(i) Operating software (ii) Programming software  
(iii) MS Office (iv) HTML
6. Which of these will help you to arrange windows vertically side by side?  
(i) Cascade (ii) Snap feature  
(iii) Tile (iv) Stacked
7. Pulkit has inserted the memory chip of his digital camera into his computer. Which program can run the videos on the chip?  
(i) CD-ROM (ii) Video window  
(iii) Windows Media Player (iv) Windows Video Player
8. Which of these keys helps to delete the letters to the left of the cursor?  
(i) Backspace key (ii) Delete keys  
(iii) Shift keys (iv) Space bar
9. Which of these commands in Word help you remove selected text from one place and put it in another place?  
(i) Copy and Paste (ii) Cut and Paste  
(iii) Cut and Copy (iv) None of these
10. Where is the option to check and correct spelling mistakes in your Word document?  
(i) Proofing group of the Review tab (ii) Spelling group of the Proofing tab  
(iii) Spelling group of the Text tab (iv) Proofing group of the Illustration tab
11. Which of the following categories do word pairs like 'giant and tiny' and 'dry and wet' belong to?  
(i) Acronyms (ii) Antonyms  
(iii) Synonyms (iv) Compound words

12. Which of these options will help you set your text as a list of points?  
 (i) Word Art (ii) Text in columns  
 (iii) Bullets and numbering (iv) Clip Art
13. Pooja wants to make the first letter of every paragraph larger than the rest of the text. What should she do?  
 (i) She can select the first letter of every paragraph and keep changing the size.  
 (ii) She should use the Bullets and Numbering option.  
 (iii) She should use the Drop Cap feature.  
 (iv) She should use the Snap tool.
14. I gave the following commands in LOGO.  
 FD 100  
 PE BK 50  
 What would I see on the screen?  
 (i) Nothing (ii) A rectangle  
 (iii) A line of 50 steps (iv) A line of 150 steps
15. What would be the result of REPEAT 5 [FD 50 RT 72] in LOGO?  
 (i) A rectangle (ii) A triangle  
 (iii) A square (iv) A pentagon
16. REPEAT 360 [FD 1 RT 1] in LOGO will draw \_\_\_\_\_  
 (i) a circle (ii) a semi-circle  
 (iii) an arc (iv) a radius
17. Shriya wants to make a presentation in school for a science project. Which of these computer programs should she use?  
 (i) MS Word (ii) MS Excel  
 (iii) MS PowerPoint (iv) MSW LOGO
18. In which of these can you view the thumbnails of all the slides of a presentation in PowerPoint?  
 (i) Status bar (ii) Slide show  
 (iii) Slides pane (iv) Notes pane
19. Which of these would you use to change the design and colour of a slide?  
 (i) Clipboard group of the Home tab  
 (ii) Animation group in the Animations tab  
 (iii) Slideshow view in the Views tab  
 (iv) Themes group in the Design tab
20. I want to enter or edit text on my slides. Which of these should I use?  
 (i) Slide Sorter view (ii) Outline pane  
 (iii) Notes page view (iv) Slide Show view