



International CYBER Olyn

National/International Olympiads/Taler

Based on CBSE, ICSE, GCSE, State Board Syllabus & NCF (NCERT)

100's of Q's with answers

- Chapterwise Practice Q's
- Revision Q'sSample Paper





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EduHeal Foundation conducts 5 Olympiads annually reaching 4 Lakh + Students ● 50,000 Coordinating Teachers and havi in English / Maths / Science / Biotech / Computer & 300 R



















WORKSHOP • TEACHER TRAINING PROG. • MAGAZINE/LAB GRANT • PRINCIPAL LEADERSHIP AWARD.

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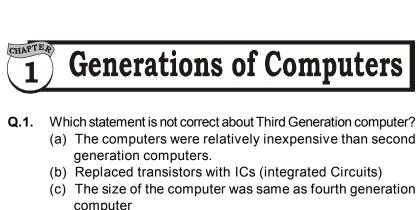
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SYLLABUS GUIDELINES

Based on CBSE, ICSE & GCSE Syllabus & NCF guidelines revised by NCERT.

Generations of Computers; Computer and its Peripherals; Computer Memories; Characteristics of Memory Devices; Software Classification; A brief about Computer Languages; Fundamentals of Windows; Hands on with Paint Brush; working with MS-Word.





- **Q.2.** Pentium, Power PC was/were the example(s) of:
 - (a) First Generation Computers.

(d) None of these

- (b) Second Generation Computers.
- (c) Third Generation Computers
- (d) Fourth Generation Computers
- **Q.3.** Which of the following is/are not correct statement(s) about the third generation computer?
 - (a) The third generation computers replaced small scale integrated circuits and medium scale integrated circuits with the microprocessors chip.
 - (b) The hard-disks are available of the sizes up to 200 GB. The RAID technology (Redundant Array of Inexpensive Disks) gives storage up to thousands of GB.
 - (c) Computer cost came up rapidly in this generation.
 - (d) Application of computers is increased in various areas like visualization, parallel computing, multimedia etc.
- **Q.4.** Name the first calculating device developed by Chinese
 - (a) Abacus

- (b) Napier Bones
- (c) Analytical Engine
- (d) Pebbles
- **Q.5.** What is the full form of ATM?
 - (a) Auto Tailoring Machine
 - (b) Any Time Money
 - (c) Automatic Teller Machine
 - (d) All Time Money
- Q.6. Who is known as father of electronics communication age?
 - (a) Charles Babbage
- (b) George Boole
- (c) Claude Shannon
- (d) John napier
- **Q.7.** In which computers, computation are carried out with physical quantities?

(b) Arithmetic Machine (a) Analytical Engine (c) Donald knuth (d) All of the above **Q.18.** The first IBM PC did not have any: (a) disk drive (b) RAM (d) Port (c) ROM **Q.19.** The process of starting or restarting a computer system by loading instruction from a secondary storage device into the computer memory is called: (a) Duping (b) Booting (d) All of the above (c) Padding Q.20. Who invented the microprocessor? (a) Marcian E Huff (b) Herman H Goldstein (c) Joseph Jacquard (d) All of the above Q.21. When was the first IBM microcomputer called IBM PC with 16-bit microprocessor introduced? (a) 1979 (b) 1981 (c) 1982 (d) 1984 Q.22. In which year were chips used inside the computer for the first time? (a) 1964 (b) 1975 (c) 1977 (d) 1981 Q.23. What was the name of the first commercially available microprocessor chip? (a) Intel 8008 (b) Intel 8080 (c) Intel 4004 (d) Motorola 6809 **Q.24.** When was the first minicomputer built? (a) 1965 (b) 1962 (c) 1971 (d) 1966 Q.25. Third generation computers are those which are built with integrated circuits. What was the name of the first thirdgeneration computer and when was it introduced? (a) IBM-1620, 1964 (b) 1960, USA (c) CDC-6600, 1962 (d) PDP-1401 Q.26. IBM 7000 digital computer: (a) belongs to second generation (b) uses VLSI (c) employs semi conductor memory (d) has modular construction

Q.17. What was the computer conceived by Babbage?

Class - 4

Q.36. In which generation did magnetic disk started being used for

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storage?

33. (b) 34. (b)

41. (c) 42. (d)

4		€ セ G- Olympiad Explorer
Q.27.	The proper definition of a n (a) an electronic automated involving words and nu	I machine that can solve problems
		and modified electronic pocket
	(c) any machine that can p (d) a machine that works of	erform mathematical operations on binary code
Q.28.	Which out of the following i (a) Home computer (c) Personal computer	
Q.29.	In analog computer: (a) input is first converted (b) input is never converte (c) output is displayed in d (d) all of the above	d to digital form
Q.30.	generation of computers ex (a) Minicomputers	•
Q.31.	the bit micro processors. (a) 4	nputers available was based on (b) 8 (d) 64
Q.32.	Data processing computer is known as:	built to conventional architecture
		(b) Mainframe (d) Mini computer
Q.33.	` '	on computer is: (b) 5 nano sec (d) 64 sec
	The memory capacity of ar (a) 640 KB (c) 250 KB	
Q.35.	Third generation computers (a) were the first to use int (b) were the first to use bu (c) used transistors instea (d) all of the above	egrated circuitry ilt-in error detecting devices

	(b)	First Seco Third Four	ond g d gen	enei erat	ration	n co comp	mpu outei	•						
Q.37.	Operating System concept started in ———————————————————————————————————							_						
Q.38.	(a)	time 1965 1956	-75		f thir	d ge	(b)	1942	com 2-195 3 onv	5				
Q.39.	add was (a)	ition,	subt er				iplic (b)		n and cal					
Q.40.	(a)	o inve Char Pasc	les B		•		(b)	ne? Holle Nap						
Q.41.	(a)	dern o Fast Infall	·	uter	s are	e vei	(b)	liable Pow Che	erful	they	are	not	:	
Q.42.	(a)	omple Micro Perip	oprod	cess	or		(b)	Men	nory					
						©(90							
					Αl	VSV	VEI	RS						
	10. 18.	(d) (a) (a) (d)	11.	(c)	4. 12. 20. 28.	` '	21	(c) (a) (b) (b)	14. 22.	(a) (d) (b) (a)	23.	(d)	16. 24.	

35. (a) 36. (b) 37. (c) 38. (a) 39. (c) 40. (a)

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Computer and its Peripherals

Q.1.	Modem is a/an———————————————————————————————————	(b) output device
	(c) both (a) and (b)	(d) storage device
Q.2.	Computer peripherals do r (a) UPS (c) Microphone	not include: (b) Speaker (d) Microwave
Q.3.	This device helps us to obtain signals, is called: (a) Speakers (c) Microphone	change our voice into electronic (b) Mouse (d) Motherboard
Q.4.	Which one of the following (a) Printer(c) Mouse	is Essential Peripheral? (b) Keyboard (d) All of the above
Q.5.	Which is not a 'Computer (a) Scanner (c) CPU	Peripherals'? (b) Speaker (d) Printer
Q.6.	is an input d	evice used for playing computer
	games	
	(a) Scanner(c) Light pen	(b) Joystick(d) Microphone
Q.7.	is a small pen-	like device that has a large storing
	capacity (a) Light pen (c) Pen drive	(b) Joystick(d) Bar code reader
Q.8.	The output that is printed (a) Hard copy (c) Both (a) and (b)	(b) Soft copy
Q.9.	In which kind of printers, a (a) Dot-matrix printers (c) Inkjet printers	
Q.10.	printers are (a) Dot-matrix (c) Inkjet	used for very good quality printout. (b) Line (d) Laser
Q.11.	Mouse, Keyboard, Monitor (a) Software (c) Peripherals	and Printer etc are examples of (b) Memory (d) CPU

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Q.12.	Which kind of hardware is of a computer?	used the most in the input phase
	(a) Keyboard	(b) Storage devices(d) Hard disk
Q.13.	Which is not an input devic (a) CRT (Cathode Ray Tul (b) Optical scanners (c) Voice recognition devic (d) COM (Computer Micro	ces
Q.14.		ct entry input device? (b) Mouse (d) All of above
Q.15.		s is related to a monitor? (b) Monochrome monitor (d) Video display
Q.16.	the: (a) CRT	arily used to provide hardcopy is (b) line printer (d) card reader
Q.17.	Which of the following is a (a) Daisy wheel printer (c) Laser printer	
Q.18.	The input unit of a compute (a) feeds data to the CPU (b) retrieves data from CP (c) directs all other units (d) all of the above	or Memory
Q.19.	devices	itions and bar codes
Q.20.	A disadvantage of the lase (a) It is quieter than an implement (b) It is very slow (c) The output is of a lowe (d) None of these	pact printer

Q.21. Which of the following is used only for data entry and storage,

•		COO Olympiad Explorer
	and never for processing?(a) Mouse(c) Microcomputer	(b) Dumb terminal(d) Dedicated data entry system
Q.22.	From among the following belong to computer: (a) Mouse (c) MICR	g, pick out the item that does not (b) OCR (d) Plotter
Q.23.		rs are those that can be adopted
Q.24.	A kind of serial dot-matrix magnetically-charged ink s (a) Laser printer (c) Drum printer	printer that forms characters with sprayed dots is called: (b) Ink-jet printer (d) Chain printer
Q.25.	Which of the following is c (a) Jet printer (c) Thermal printer	lassified as an impact printer? (b) Daisywheel printer (d) Laser printer
Q.26.		hardware/software boundary that etween people and computer? (b) Keyboard (d) Monitor
Q.27.	In a computer system, whi of a keyboard? (a) Mouse (c) Printer	ch device is functionally opposite (b) Trackball (d) Joystick
Q.28.	What is the name of the placement of the next char(a) Mouse (c) Track ball	e screen symbol that shows the racter? (b) Cursor (d) Graphic tablet
Q.29.		d on all types of items, is read by a to the computer. What is the name (b) Wand (d) MICR
Q.30.	Program execution time w are written in:	ould be minimum if the programs

(b) Assembly language(d) All of the above

(a) Machine language(c) High level language

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Q.31.	Which of the following is n (a) Drum printer (c) Chain printer	
Q.32.	a-time printer? (a) Laser printer	nter can be classified as a page – (b) Dot-matrix printer
Q.33.	(c) Thermal printerWhich of the following is coded form to clear form:(a) Keyboard(c) Mnemonics	a device that changes data from (b) Decoder (d) Bar code
Q.34.	An input device that reach character pattern matching (a) Scanner (c) Mouse	Is printed text employing optical g is known as: (b) Magnetic disk (d) Magnetic tape
Q.35.	A hand-held device which r by detecting photo-sensitiv (a) light pen (c) plotter	eads marks or characters on paper vity is known as: (b) optical wand (d) all of the above
Q.36.	A stand- alone system wh output at a time is: (a) Page printer (c) Laser printer	ich produces one page of printed (b) Line printer (d) Dot matrix printer
Q.37.	A mouse is used as: (a) a way to entertain chil (b) a pointing device (c) an easy way to input in (d) both (b) and (c)	dren nformation in your computer
Q.38.	Which device can produce processing in to a form use (a) Storage (c) Output device	(b) Input device
Q.39.	magnetic tape is: (a) Keyboard	(b) VDU (d) Tape deck
Q.40.	The devices attached to	the computer and controlled by

computers control unit are known as:

- (a) Peripheral devices
- (b) Program
- (c) Software
- (d) Utility

Q.41. A peripheral device:

- (a) tears easily on the dotted line
- (b) is another name for an add-on component of a computer system
- (c) sits on the sidelines and never gets involved
- (d) none of these

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ANSWERS							
9. (d) 17. (c) 25. (b)	10. (d) 18. (a) 26. (b)	11. (c) 19. (b) 27. (c)	4. (b) 12. (a) 20. (d) 28. (b) 36. (a)	13. (d) 21. (b) 29. (a)	14. (d) 22. (d) 30. (a)	15. (d) 23. (c) 31. (d)	16. (b) 24. (b) 32. (a)
()				_			

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INTERNATIONAL CYBER OLYMPIAD (ICO) SAMPLE PAPER

Total duration : 40 Minutes **Total Marks :** 25

SECTION - A GENERAL IQ.

1. Here is a shape.

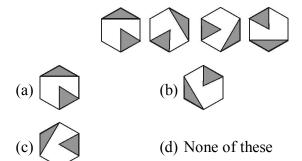


Mark on the shape below which is the same as the one shown above.



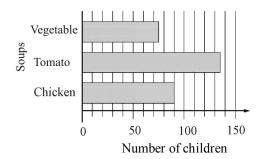


- (d) None of these
- 2. If the pattern continues what will be the next figure in following pattern?



3. All the children in Shikha's birthday party chose their favourite soups. The graph shows the results.





Priya calculated that

'More than half of the children chose tomato soup'.

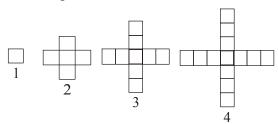
Is she correct?

(a) Yes

- (b) No
- (c) Data incomplete (d) None of these
- 4. Pooja poured 285 ml of juice from a 1000 ml carton. How much juice is left?



- (a) 215 ml
- (b) 715 ml
- (c) 285 ml
- (d) None of these
- 5. See this pattern



How many squares would be needed for the 7th figure?

(a) 25

(b) 24

(c) 17

(d) None of these

SECTION - B COMPUTERS

- The result of the work done by the processor is called
 - (a) Input

- (b) Output
- (c) Print out
- (d) None of these









Above shown devices are used to

data

(a) Process

(b) Input

(c) Store

- (d) Output
- What does ROM stand for
 - (a) Roam only memory
- (b) Read only memory
- (c) Random only memory (d) Rise only memory
- Which of the following is a 'Laser Printer'?



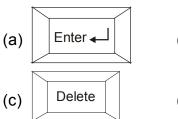


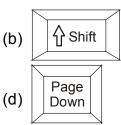


- (d) None of these
- 10. What is the full form of LAN?
 - (a) Local Area Network
- (b) Low Area Network
- (c) Line Area Network
- (d) Long Area Network
- 11. HLL has to be converted to MLL, what does HLL and MLL refers to?
 - (a) High Level Language, Medium Level Language
 - (b) High Level Language, Machine Level Language
 - (c) Hardware Level Language, Medium Level Language
 - (d) Hardware Level Language, Machine Level Language

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12. Which key should the operator press to get the cursor to the next line?





- 13. In an MS Word window where is 'Taskbar' located?
 - (a) On the upper side
 - (b) On the lower side
 - (c) On the right side
- (d) On the left side
- 14. The 'Save icon' on the standard toolbar looks like
 - (a) An envelope
- (b) A paper
- (c) A printer
- (d) A floppy disk
- 15. The First Electronic Computer was
 - (a) Mark I

- (b) Space I
- (c) Computer I
- (d) Machine I
- **16.** Which (icon) command is used to reverse the last action performed?









17. The

(Magnifier tool) is used to make your

drawing

- (a) Look big
- (b) Look small
- (c) Colourful
- (d) Animated

SECTION - C INTERACTIVE SECTION

18. Match the column

Short Cut Command (A) Ctrl + A (i) Paste (B) Ctrl + V (ii) Cut (C) Ctrl + C (iii) All select (D) Ctrl + X(iv) Copy C – (iii) (a) A - (i)B - (ii)D - (iv)B - (iv)(b) A - (ii)C - (iii)D - (i)(c) A - (iii)B - (i)C - (iv)D - (ii)(d) A - (iv)B – (iii) C - (ii)D - (i)

Look at the following window to answer questions 19 to 21:



- 19. What is the font size of the text
 - (a) 20
- (b) 18
- (c) 30
- (d) 25
- **20.** Which toolbar is missing in the picture?
 - (a) Picture toolbar
- (b) Standard toolbar
- (c) Drawing toolbar
- (d) None of these

- **21.** On clicking **A** what will happen?
 - (a) Only 'class 11' file will be closed
 - (b) MS Word will be closed
 - (c) A new document will be open
 - (d) None of these

22.



When does the above shown window appear?

- (a) When you print the document
- (b) When you close the document
- (c) When you open the document
- (d) When you copy the document

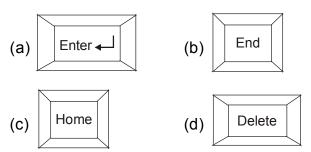
23.

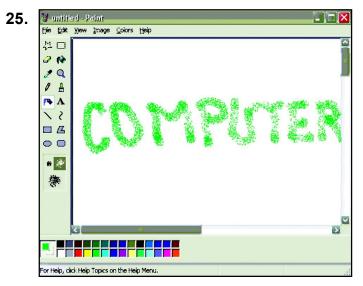


In this figure the cursor is used

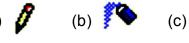
- (a) To indicate the folder you want to open
- (b) To indicate the position of keyboard.
- (c) To type the work.
- (d) None of these.

24. Which key should the operator press to reach to the end of sentence?





Which of the following icon is used to write the word 'computer' in the paint window?









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ANSWERS

- 4. (b) 5. (a) 6. (b 7. (b) 3. (d)
- (a) 10. (a) 11. (b) 12. (a) 13. (b) 14. (d) 15. (a) 16. (b)
- 17. (a) 18. (c) 19. (b) 20. (a) 21. (b) 22. (b) 23. (a) 24. (b)

25. (b)

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