International Talent Search Examination - 2022-23

अंतर्राष्ट्रीय प्रतिभा खोज परीक्षा – २०२२-२३

Organized by

**Savitri Skill Development Institute, Training Partner with
Ministry of Micro Small & Medium Enterprises (MSME), Govt. of India.**

Ministry of Micro, Small and Medium Enterprises,
Government of India

TEST BOOKLET

Name : ....

Class : .... School: ....

Father's Name : .... Father's Occupation : ....

Mother's Name : .... Mother's Occupation : ....

Categories : Gen ☐   OBC ☐   SC ☐   ST ☐

Correspondence Address : ....

Date of Birth : ☐☐ ☐☐ ☐☐

Father's Contact No : ☐☐☐☐☐☐☐☐☐☐

Home/Mother's Contact No. : ☐☐☐☐☐☐☐☐☐☐

WhatsApp No. : ☐☐☐☐☐☐☐☐☐☐

Basic Instructions:

i. Ensure that your personal data has been entered correctly.
ii. Immediately after opening the test booklet verify that all the pages are printed properly and are in order. If there is a problem with your test booklet, immediately inform the invigilator. You will provided with the replacement.
iii. All questions in are compulsory.
iv. For every correct answer you will be awarded with 4 marks and for all incorrect answer 1 mark will be deducted)
v. Directions for answering the questions are given. Read those directions carefully and answer the question by circling the bubble in the OMR Sheet Provided to you. Test booklet/OMR Sheet will be submitted at the end of the examination.
vi. Follow the instructions given by the invigilator. Students found violating the instructions will be disqualified)
vii. Rough work can be done separately or on the Question paper.
viii. Please fill the bubbles in OMR sheet with Blue or Black pen only.
ix. Do not tear the question paper or OMR sheet else you will be disqualified in the examination.

CLASS-3 (COMPUTER)

Q1. UNIVAC is
a) Universal Automatic Computer   b) Universal Array Computer   c) Unique Automatic Computer   d) Unvalued Automatic Computer

Q2. The basic operations performed by a computer are
a) Arithmetic operation   b) Logical operation   c) Storage and relative   d) All the above

Q3. The two major types of computer chips are
a) External memory chip   b) Primary memory chip   c) Microprocessor chip   d) Both b and c

Q4. Microprocessors as switching devices are for which generation computers
a) First Generation   b) Second Generation   c) Third Generation   d) Fourth Generation

Q5. What is the main difference between a mainframe and a super computer?
a) Super computer is much larger than mainframe computers   b) Super computers are much smaller than mainframe computers
c) Supercomputers are focused to execute few programs as fast as possible while mainframe uses its power to execute as many programs concurrently
d) Supercomputers are focused to execute as many programs as possible while mainframe uses its power to execute few programs as fast as possible.

Q6. ASCII and EBCDIC are the popular character coding systems. What does EBCDIC stand for?
a) Extended Binary Coded Decimal Interchange Code   b) Extended Bit Code Decimal Interchange Code
c) Extended Bit Case Decimal Interchange Code   d) Extended Binary Case Decimal Interchange Code

Q7. The brain of any computer system is
a) ALU   b) Memory   c) CPU   d) Control unit

Q8. Storage capacity of magnetic disk depends on
a) tracks per inch of surface   b) bits per inch of tracks   c) disk pack in disk surface   d) All of above

Q9. The two kinds of main memory are:
a) Primary and secondary   b) Random and sequential   c) ROM and RAM   d) All of above

Q10. A storage area used to store data to a compensate for the difference in speed at which the different units can handle data is
a) Memory   b) Buffer   c) Accumulator   d) Address

Q11. Computer is free from tiresome and boardoom. We call it
a) Accuracy   b) Reliability   c) Diligence   d) Versatility

Q12. Integrated Circuits (Ics) are related to which generation of computers?
a) First generation   b) Second generation   c) Third generation   d) Fourth generation

Q13. CD-ROM is a
a) Semiconductor memory   b) Memory register   c) Magnetic memory   d) None of above

Q14. A hybrid computer
a) Resembles digital computer   b) Resembles analogue computer
c) Resembles both a digital and analogue computer   d) None of the above

Q15. Which type of computers uses the 8-bit code called EBCDIC?
a) Minicomputers   b) Microcomputers   c) Mainframe computers   d) Super computer

Q16. The ALU of a computer responds to the commands coming from
a) Primary memory   b) Control section   c) External memory   d) Cache memory

Q17. Chief component of first generation computer was
a) Transistors   b) Vacuum Tubes and Valves   c) Integrated Circuits   d) None of above

Q18. To produce high quality graphics (hardcopy) in color, you would want to use a/n
a) RGB monitor
b) Plotter
c) Ink-jet printer
d) Laser printer

Q19. What are the stages in the compilation process?
a) Feasibility study, system design and testing
b) Implementation and documentation
c) Lexical Analysis, syntax analysis, and code generation
d) None of the above

Q20. Which of the following IC was used in third generation of computers?
a) SSI
b) MSI
c) LSI
d) Both a and b

Q21. The main electronic component used in first generation computers was
a) Transistors
b) Vacuum Tubes and Valves
c) Integrated Circuits
d) None of above

Q22. A dumb terminal has
a) an embedded microprocessor
b) extensive memory
c) independent processing capability
d) a keyboard and screen

Q23. One millisecond is
a) 1 second
b) 10th of a seconds
c) 1000th of a seconds
d) 10000th of a seconds

Q24. The output quality of a printer is measured by
a) Dot per sq. inch
b) Dot per inch
c) Dots printed per unit time
d) All of the above

Q25. Which of the following was a special purpose computer?
a) ABC
b) ENIAC
c) EDVAC
d) All of the above

Q26. What was the computer invented by Attanasoff and Clifford?
a) Mark I
b) ABC
c) Z3
d) None of above

Q27. Which of the following storage devices can store maximum amount of data?
a) Floppy Disk
b) Hard Disk
c) Compact Disk
d) Magneto Optic Disk

Q28. Which computer was considered the first electronic computer until 1973 when court invalidated the patent?
a) ENIAC
b) MARK I
c) Z3
d) ABC

Q29. A physical connection between the microprocessor memory and other parts of the microcomputer is known as
a) Path
b) Address bus
c) Route
d) All of the above

Q30. High density double sided floppy disks could store _____ of data
a) 1.40 MB
b) 1.44 GB
c) 1.40 GB
d) 1.44 MB

Q31. A high quality CAD system uses the following for printing drawing and graphs
a) Dot matrix printer
b) Digital plotter
c) Line printer
d) All of the above

Q32. Which of the following is not an input device?
a) OCR
b) Optical scanners
c) Voice recognition device
d) COM (Computer Output to Microfilm)

Q33. The accuracy of the floating-point numbers representable in two 16-bit words of a computer is approximately
a) 16 digits
b) 6 digits
c) 9 digits
d) All of above

Q34. In most of the IBM PCs, the CPU, the device drivers, memory, expansion slots and active components are mounted on a single board. What is the name of the board?
a) Motherboard\
b) Daughterboard
c) Bredboard
d) Fatherboard

Q35. In most IBM PCs, the CPU, the device drives, memory expansion slots and active components are mounted on a single board. What is the name of this board?
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b) Breadboard
c) Daughter board
d) Grandmother board

Q36. Magnetic disks are the most popular medium for
a) Direct access
b) Sequential access
c) Both of above
d) None of above

Q37. A technique used by codes to convert an analog signal into a digital bit stream is known as
a) Pulse code modulation   b) Pulse stretcher   c) Query processing   d) Queue management

Q38. Regarding a VDU, Which statement is more correct?
a) It is an output device   b) It is an input device   c) It is a peripheral device   d) It is hardware item

Q39. A modern electronic computer is a machine that is meant for
a) Doing quick mathematical calculations   b) Input, storage, manipulation and outputting of data
c) Electronic data processing   d) Performing repetitive tasks accurately

Q40. When was vacuum tube invented?
a) 1900   b) 1906   c) 1910   d) 1880

Q41. Which of the following produces the best quality graphics reproduction?
a) Laser printer   b) Ink jet printer   c) Plotter   d) Dot matrix printer

Q42. Computers with 80286 microprocessor is
a) XT computer   b) AT comptuers   c) PS/2 computer   d) None of above

Q43. An application suitable for sequential processing is
a) Processing of grades   b) Payroll processing   c) Both a and b   d) All of above

Q44. Which of the following is not processing?
a) arranging   b) manipulating   c) calculating   d) gathering

Q45. The digital computer was developed primarily in
a) USSR   b) Japan   c) USA   d) UK