

QP Code: 004A

A

DO NOT OPEN THIS BOOKLET: UNTIL YOU ARE ASKED TO DO SO

TIME ALLOTTED: 60 MINUTES

MAXIMUM MARKS: 75

INSTRUCTIONS

This test booklet contains two sections. The Domain related MCQ and General Aptitude Section. Please note that both the sections have different Question Paper set codes. It is important that both the set codes are mentioned in the relevant portions of OMR sheet without fail.

1. Immediately after the commencement of the examination, you should check that this test booklet does not have any unprinted or torn or missing pages or items, etc. If so get it replaced by a complete test booklet.
2. Please follow instructions in the "Answer Booklet" closely.
3. You have to mark all your responses ONLY on the separate answer sheet (OMR Sheet) provided. See directions in the answer sheet.
4. There is **no negative marking**. You are encouraged to attempt all questions.
5. Marking of multiple answers for the same question, correction by over- writing or scratching will lead to disqualification.
6. There will be no additional rough sheets issued. Do your rough work in the separate space provided herein.
7. Use of Chits, calculator, mobile phones, Bluetooth, Google Glass, GPRS enable electronics, including watch etc., is not allowed. Any candidate who is found using these or having this on his or her person will be disqualified.
8. Reminder: Two set codes (Domain and General Aptitude needs to be separately mentioned in the Answer Booklet).
9. The answer sheets in which set codes of are not mentioned will be treated as invalid.

Set Codes

Domain Booklet Set Code	A
General Aptitude Booklet Set Code	1

Section Wise Number of Questions and their Marking is as follows:

Section	Total Questions	Total Marks
General Aptitude Questions	Q No. 1 to Q No. 25	25 Marks
Domain Questions	Q No. 26 to Q No. 50	50 Marks

All the best!

- 1) _____ is the host of 2018 Commonwealth Games
 - a) Canada
 - b) England
 - c) Australia
 - d) India

- 2) _____ District has become the India's first district to have 100% solar-powered health center?
 - a) Kolkata
 - b) Chennai
 - c) Bengaluru
 - d) Surat

- 3) Which of following Indian State/Union Territory has become first in the country to issue e-Stamp papers in all denominations?
 - a) Delhi
 - b) Puducherry
 - c) Karnataka
 - d) Maharashtra

- 4) Who is the present Education Minister of Bihar?
 - a) Sri Nitish Kumar
 - b) Sri K.N. Prasad Verma
 - c) Sri Ashok Choudhary
 - d) Sri Jay Prakash Narayan Yadav

- 5) Who is the present Director of Development Management Institute, Patna?
 - a) Sri Hemnath Rao Hanumankar
 - b) Sri C.V Krishna Murthy
 - c) Sri Anup Mukerji
 - d) Sri Niraj Kumar

- 6) If $A + B$ means A is the mother of B; $A - B$ means A is the brother B; $A \% B$ means A is the father of B and $A \times B$ means A is the sister of B, which of the following shows that P is the maternal uncle of Q?
 - a) $Q - N + M \times P$
 - b) $P + S \times N - Q$
 - c) $P - M + N \times Q$
 - d) $Q - S \% P$

- 7) One morning Udai and Vishal were talking to each other face to face at a crossing. If Vishal's shadow was exactly to the left of Udai, which direction was Udai facing?
 - a) East
 - b) West
 - c) North
 - d) South

- 8) Look at this series: 36, 34, 30, 28, 24, ...
What number should come next?
 - a) 20
 - b) 22
 - c) 23
 - d) 26

- 9) FAG, GAF, HAI, IAH, _____
 - a) JAK
 - b) HAL
 - c) HAK
 - d) JAI

- 10) Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl?
 - a) Brother
 - b) Nephew
 - c) Uncle
 - d) Son-in-law

- 20) Java is a _____
- a) Programming Language
 - b) Platform
 - c) Operating System
 - d) Motherboard Chip
- 21) What is the shortcut key of printing a document for computer running on windows environment?
- a) Ctrl + Shift + P
 - b) Alt + P
 - c) Ctrl + Alt + P
 - d) Ctrl + P
- 22) Among the options listed below, which was a part of the very first generation of computers?
- a) Vacuum Tubes and Magnetic Drum
 - b) Integrated Circuits
 - c) Magnetic Tape and Transistors
 - d) All of above
- 23) What is full form of SMPS ?
- a) Switch Mode Power Supply
 - b) Simple Mode Power Supply
 - c) Storage Mode Power Supply
 - d) Storage Mode Power Shortage
- 24) 1024 bytes represents a _____
- a) Megabyte
 - b) Gigabyte
 - c) Kilobyte
 - d) None of the above
- 25) Microsoft Word is an example of _____
- a) An Operating System
 - b) A Processing Device
 - c) An Application Software
 - d) An Input Device
- 26) In Computer Terminology, what does "NOS" stands for _____
- a) Node operating system
 - b) Non-open software
 - c) Network Operating system
 - d) Non-operating software
- 27) What is the common name for the crime of stealing passwords is _____
- a) Jacking
 - b) Identity theft
 - c) Spoofing
 - d) Hacking
- 28) A computer program that converts an entire program into machine language is called _____
- a) Interpreter
 - b) Simulator
 - c) Compiler
 - d) Commander
- 29) Which among the following is mostly used by large transaction processing systems in automated organizations?
- a) Online processing
 - b) Batch Processing
 - c) Once-a-day Processing
 - d) End-of-day processing
- 30) The virtual memory basically stores the next segment of data to be executed on the _____
- a) Secondary storage
 - b) Disks
 - c) RAM
 - d) ROM

- 31) The main purpose of having memory hierarchy is to _____
- a) Reduce access time
 - b) Provide large capacity
 - c) Reduce propagation time
 - d) Reduce access time and provide large capacity
- 32) Which of the following is the ascending order of data hierarchy?
- a) bit - byte - record - field - data base – file
 - b) bit - byte - field - record - file - database
 - c) bit - byte - file - field - record - database
 - d) bit - record - byte - field - file – database
- 33) Which of this is not a network edge device?
- a) PC
 - b) Smartphones
 - c) Servers
 - d) Switch
- 34) Which among the following best describes a list of protocols used by a system, one protocol per layer?
- a) Protocol architecture
 - b) Protocol stack
 - c) Protocol suit
 - d) None of the mentioned
- 35) In OSI model, when data is sent from device A to device B, the 5th layer to receive data at B is _____
- a) Application layer
 - b) Transport layer
 - c) Link layer
 - d) Session layer
- 36) In the network, HTTP resources are located by _____
- a) Uniform resource identifier
 - b) Unique resource locator
 - c) Unique resource identifier
 - d) None of the above
- 37) The file transfer protocol is built on _____
- a) Data centric architecture
 - b) Service oriented architecture
 - c) Client server architecture
 - d) None of the above
- 38) Which of the following is / are the types of firewall?
- a) Packet Filtering Firewall
 - b) Dual Homed Gateway Firewall
 - c) Screen Host Firewall
 - d) All above
- 39) What does the "IPX maximum-paths 2" command accomplish?
- a) It enables load sharing on 2 paths if the paths are equal metric paths
 - b) It sets up routing to go to network 2
 - c) It is the default for Cisco IPX load sharing
 - d) It enables load sharing on 2 paths if the paths are unequal metric paths
- 40) In TCP, sending and receiving data is done as _____
- a) Stream of bytes
 - b) Sequence of characters
 - c) Lines of data
 - d) Packets

- 41) Which of these is not applicable for IP protocol?
- a) Is connectionless
 - b) Offer reliable service
 - c) Offer unreliable service
 - d) None of the mentioned
- 42) According to Internet Assigned Numbers Authority (IANA), which of the following range is not a part of port number?
- a) Well-known ports
 - b) Registered ports
 - c) Dynamic ports
 - d) Static ports
- 43) A wireless network interface controller can work in _____
- a) Infrastructure mode
 - b) Ad-hoc mode
 - c) Both infrastructure mode and ad-hoc mode
 - d) None of the mentioned
- 44) An ethernet frame that is less than the IEEE 802.3 minimum length of 64 octets is called _____
- a) Short frame
 - b) Run frame
 - c) Mini frame
 - d) Man frame
- 45) Ethernet in metropolitan area network (MAN) can be used as _____
- a) Pure Ethernet
 - b) Ethernet over SDH
 - c) Ethernet over MPLS
 - d) All above
- 46) What does ARP (Address Resolution Protocol) basically do?
- a) ARP translates the hardware address of a node to its IP address.
 - b) ARP replies with the IP address of a particular node to any node that requests this.
 - c) ARP translates the IP address of a node to its hardware address.
 - d) ARP replies with the hardware address of a particular node to the default gateway.
- 47) Which of the following signal is not a standard RS-232-C signal?
- a) VDR
 - b) RTS
 - c) CTS
 - d) DSR
- 48) Which type of attack uses a fraudulent server with a relay address?
- a) NTLM
 - b) MITM
 - c) NetBIOS
 - d) SMB
- 49) Why would a ping sweep be used?
- a) To identify live systems
 - b) To locate live systems
 - c) To identify open ports
 - d) To locate firewalls
- 50) Which is the following is the most suitable term for the Memory which is programmed at the time of its manufacturing itself?
- a) ROM
 - b) RAM
 - c) PROM
 - d) EPROM

Rough Work

