

QP Code: 002B

B

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

TIME ALLOTTED: 60 MINUTES

MAXIMUM MARKS: 80

**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**

<b>Domain Booklet Set Code</b>	<b>B</b>
<b>General Aptitude Booklet Set Code</b>	<b>2</b>

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

<b>Section</b>	<b>Total Questions</b>	<b>Total Marks</b>
General Aptitude Questions	Q No. 1 to Q No. 20	20 Marks
Domain Questions	Q No. 21 to Q No. 50	60 Marks

**All the best!**

- 1) Who is the present Education Minister of Bihar?
  - a) Sri Jay Prakash Narayan Yadav
  - b) Sri K.N. Prasad Verma
  - c) Sri Nitish Kumar
  - d) Sri Ashok Choudhary
  
- 2) Which year did the All India Council for Technical Education (AICTE) come into existence?
  - a) 1955
  - b) 1947
  - c) 1045
  - d) 1951
  
- 3) Who is the present Director of Development Management Institute, Patna?
  - a) Sri Anup Mukerji
  - b) Sri Hemnath Rao Hanumankar
  - c) Sri C.V Krishna Murthy
  - d) Sri Niraj Kumar
  
- 4) \_\_\_\_\_ District has become the India's first district to have 100% solar-powered health center?
  - a) Kolkata
  - b) Bengaluru
  - c) Chennai
  - d) Surat
  
- 5) Which of following Indian State/Union Territory has become first in the country to issue e-Stamp papers in all denominations?
  - a) Maharashtra
  - b) Karnataka
  - c) Delhi
  - d) Puducherry
  
- 6) Look at this series: 36, 34, 30, 28, 24, ...  
What number should come next?
  - a) 26
  - b) 22
  - c) 20
  - d) 23
  
- 7) FAG, GAF, HAI, IAH, \_\_\_\_
  - a) HAK
  - b) JAK
  - c) HAL
  - d) JAI
  
- 8) 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 x 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 x P
  - b) P - M + N x Q
  - c) P + S x N - Q
  - d) Q - S % P
  
- 9) 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) Uncle
  - c) Nephew
  - d) Son-in-law
  
- 10) 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) South
  - b) North
  - c) East
  - d) West



- 21) Which among the following is an example of Corrective Maintenance?
- a) Vibration Analysis
  - b) Infrared Testing
  - c) Oil Analysis
  - d) Emergency Repair
- 22) The term 'RCM' in the context of 'Maintenance' stands for \_\_\_\_\_
- a) Reliability Centered Maintenance
  - b) Reaction Centered Maintenance
  - c) Both option 'A' and option 'B'
  - d) None of these
- 23) Developing responses in advance for various situations that might impact business is \_\_\_\_\_
- a) Contingency Planning
  - b) Development Planning
  - c) Logistics Planning
  - d) Strategic Planning
- 24) What is the minimum sample size usually prescribed under 'Central Limit Theorem'?
- a) 20
  - b) 10
  - c) 30
  - d) 40
- 25) With respect to computers; which among the following issues could cause a 'Fixed Disc Error'?
- a) Incorrect CMOS Settings
  - b) Slow Processor
  - c) CD not Installed
  - d) None of these
- 26) What among the following options would you do to prevent 'Motor Failure' of a Dot Matrix Printer?
- a) Clean the printer's roller surfaces
  - b) Check the tension on the print-head-positioning belt
  - c) Clean and Lubricate Mechanism
  - d) None of these
- 27) A Voltmeter is used \_\_\_\_\_
- a) in series with the circuit
  - b) to measure current
  - c) in parallel with the circuit
  - d) to measure coulombs
- 28) In high rise buildings, what is the minimum frequency for fire drill be held after the first 2 years of construction, as per NBCC 2016?
- a) Every 6 months
  - b) Every 3 months
  - c) Every 12 months
  - d) Every 18 months
- 29) As per NBC 2016, what is the maximum height of light fixture for lighting of Walkways?
- a) 2 metres from ground level
  - b) 1 metre from ground level
  - c) 3 metres from ground level
  - d) 4 metres from ground level
- 30) What is the Minimum Clear Width that shall be provided for Staircases in Educational Institutions as per NBC 2016?
- a) 1.50 Metre
  - b) 1.00 Metre
  - c) 1.75 Metre
  - d) 2.0 Metre

- 31) Which among the following options is a simple example for Condition Based Maintenance (CBM)?
- a) The 'Left or Right Turn Indicator Lights' attached to a vehicle
  - b) The 'Low Tyre Pressure Warning Light' on the dashboard of a vehicle
  - c) Both option 'A' and option 'B'
  - d) None of these
- 32) Which among the following is a maintenance strategy?
- a) Preventative Maintenance
  - b) Run to Failure
  - c) Both option 'A' and option 'B'
  - d) None of these
- 33) Which of the grade of aluminum does not respond to heat treatment?
- a) Alloy 2024
  - b) Alloy 2011
  - c) Alloy 1100
  - d) None of these
- 34) From which location are the first computer instructions available on boot up?
- a) Boot.ini
  - b) CPU
  - c) ROMBIOS
  - d) CONFIG.SYS
- 35) Among the given options below what is the best way to protect your hard drive data?
- a) Run a Regular Diagnostic
  - b) Run Scan Disc at least once in a week
  - c) Periodically defrag it
  - d) Regular Backups
- 36) Which component in a 'Serial Attached Small Computer System Interface' allows multiple SAS devices to share a single initiator port?
- a) Target
  - b) Expander
  - c) Service Delivery Subsystem
  - d) None of these
- 37) A voltage will influence current only if the circuit is .....
- a) Open
  - b) High resistance
  - c) Insulated
  - d) Closed
- 38) What is the minimum open space requirement in metres for an Educational Institution, other than nursery schools, as per NBC 2016?
- a) 9 m
  - b) 6 m
  - c) 3 m
  - d) 12 m
- 39) As per NBC 2016, what are accessible toilets that can be used by both sexes termed as?
- a) Gender Neutral Bio Toilet
  - b) Unisex Accessible Toilet
  - c) Both A and B
  - d) None of the above
- 40) As per Table 23 of NBC 2005, which of the following is NOT a minimum requirement for Fire Fighting Installations?
- a) Manually Operated Electric Fire Alarm Systems
  - b) Automatic Sprinkler System
  - c) Fire Extinguisher
  - d) Standby Generator

- 41) Which of the statements given below is true?
- Preventive Maintenance is carried out based on expert analysis of each part of a machine
  - Preventatives Maintenance is based on simple examination of the machines/parts at a set interval
  - Preventative Maintenance and Scheduled Maintenance are one and the same
  - Scheduled Maintenance is carried out based on expert analysis of each part of a machine
- 42) CATV stands for \_\_\_\_\_ with respect to communication and information dissemination.
- Cable Attached Television
  - Community Access Television
  - Competency Assessment Television
  - None of the above
- 43) Scatter Diagrams' are used to detect \_\_\_\_\_
- Correlation
  - Interference
  - Experimental Error
  - Interaction
- 44) Missing slot covers on a computer can cause \_\_\_\_\_
- Overheat
  - Incomplete path or ESD
  - Power surges
  - None of these
- 45) How many print wires does a Serial Dot Matrix Printer usually contain in each column?
- 7
  - 6
  - 3
  - 9
- 46) EPROM contents can be erased by exposing it to .....
- Burst of Microwaves
  - Infrared Rays
  - Ultraviolet Rays
  - Intense Heat Radiations
- 47) What is the technical term that describes the weight of all walls, partitions, floors and roofs, and includes the weights of all other permanent constructions (including built-in partitions, finishes, cladding and other similarly incorporated architectural and structural items, weight of fixed service equipment) in a building as per NBCC 2016?
- Living Load
  - Net Load
  - Gross Weight
  - Dead Load
- 48) As per NBC 2016, what is the optimal distance for placement of lights for lighting of Walkway?
- 20m to 30m
  - 10m to 20m
  - 1 to 10 m
  - 20m to 40m
- 49) As per NBC 2016, which of the following is the technical name of a bar used to give a steadying or stabilizing assistance to a person engaged in a particular function?
- Grab Bar
  - Stabilizing Bar
  - Support Bar
  - Hang Bar
- 50) Under the National Building Code 2005, under which group does Educational Buildings fall?
- Group C
  - Group B
  - Group A
  - Group D

## Rough Work

