

Maulana Azad National Institute of Technology
Bhopal- 462003

Screening Test for the Post of Assistant Registrar

Date: January 30, 2021

Time: 2 Hours

Full Marks: 115

Instructions:

- (1) Indicate Your Answers of the Objective and Subjective type questions in Answer Sheet provided separately only and nowhere else.
- (2) Calculators, mobile phones or electronic devices of any kind are not allowed.
- (3) Each right answer of the objective questions carries 1 (one) mark and no negative marking for wrong answer. The subjective questions carry 5 marks each.
- (4) Question Booklet, Answer sheet, Admit Card and the rough worksheet will be taken back after the examination.
- (5) Answer all One Hundred (100) Objective Questions starting from next page. Out of 4 choices (A, B, C, D) in each question, only one is correct. Also answer all three Subjective type Questions in the answer sheet at appropriate space provided for the purpose. In case, any question is not attempted, the candidate shall put X (cross) against the question in the Answer sheet.

Example: If you think 'C' is the correct choice of a question, write 'C' corresponding to the same question in the Answer sheet by blue or black ball pen.

APPLICATION NO. :

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NAME (In CAPITAL): _____

SIGNATURE OF THE CANDIDATE:

SIGNATURE OF THE INVIGILATOR

OBJECTIVE QUESTIONS 1 TO 100 QUESTIONS

1. At a dinner party every two guests used a dish of rice between them. Every three guests used a dish of dhal and every four used a dish of meat between them. There were altogether 65 dishes. How many guests were present?
A) 56
B) 60
C) 40
D) 70
2. In the Chaudhary family each daughter has the same number of brothers as she has sisters and each son has twice as many sisters as he has brothers. Now can you tell me how many sons and how many daughters do the Chaudhary family have?
A) 4 daughters and 3 sons
B) 6 daughters and 4 sons
C) 4 daughters and 4 sons
D) None of the above
3. Given the floor area of a room as 24 feet by 48 feet and the space diagonal of the room as 56 feet, the height of the room is
A) 16
B) $24\sqrt{5}$
C) 65
D) None of the above
4. A man wants to reach a window which is 40 ft above the ground. The distance from the foot of the ladder to the wall is 9 ft. How long should the ladder be?
A) 41
B) 39
C) 31
D) None of the above
5. One publishing company wanted to hire an assistant editor who had some training in both mathematics and literature. They advertised for the job and 100 people applied for the position. Out of 100 applicants the company found that 10 of them had no training in mathematics and no training in literature, 70 of them had got mathematical training and 82 had got training in literature. How many applicants had got training in both mathematics and literature?
A) 60
B) 62
C) 12
D) None of the above
6. Consider all families with two children and assume that boys and girls are equally likely. If a family is chosen at random and is found to have a boy. What is the probability that the other one is also a boy?
A) $1/2$
B) $1/3$
C) $1/4$
D) None of the above
7. Supposing six coins are flipped, what is the probability of getting at least one tail?
A) $1/2$
B) $63/64$
C) $1/720$
D) None of the above

8. What are the next two terms of the sequence 1,1,5,17,61,217,...?
- 773, 2754
 - 783, 943
 - 773, 2753
 - None of the above
9. How much is $\frac{1}{7} + \frac{2}{7^2} + \frac{1}{7^3} + \frac{2}{7^4} + \frac{1}{7^5} + \frac{2}{7^6} + \frac{1}{7^7} + \dots$ to infinity
- 3/16
 - 7/48
 - 3/5
 - None of the above
10. What are the mean, median, and standard deviation of the standard normal distribution?
- 1, 1, 1
 - 1, 1, 0
 - 0, 0, 0
 - Cannot be determined without a table
11. McMahon bought a scooter for a certain sum of money. He spent 10% of the cost on repairs and sold the scooter making a profit of 1100. How much did he spend on repairs if he made a profit of 20%.
- 400
 - 440
 - 500
 - 550
12. A pregnant lady named her children: Dora, Rehman, Mitch and Fatima. What will she name her next child? Lina, Soloman, Angela or Jamshet
- Lina
 - Soloman
 - Angela
 - Jamshet
13. A chemist came in your shop and said, "I am very thirsty, please give me a bottle which contains at least 100 moles of water". Which bottle will you handover to him?
- 1 liter
 - $\frac{1}{2}$ liter
 - 2 liters
 - One 1 liter and one $\frac{1}{2}$ liter bottle
14. Which of the following region has the greatest biodiversity?
- Tropical rain forests
 - Arctic region
 - Sub-tropical region
 - Himalayan snow forest
15. A person writes all the numbers from 0 to 99. The number of times digit 3 will be written as
- 18
 - 19
 - 20
 - 21

Answer questions 16 to 18 based on following passage

At this stage of civilisation, when many nations are brought in to close and vital contact for good and evil, it is essential, as never before, that their gross ignorance of one another should be diminished, that they should begin to understand a little of one another's historical experience and resulting mentality. It is the fault of the English to expect the people of other countries to react as they do, to political and international situations. Our genuine goodwill and good intentions are often brought to nothing, because we expect other people to be like us. This would be corrected if we knew the history, not necessarily in detail but in broad outlines, of the social and political conditions which have given to each nation its present character.

16. According to the author of 'Mentality' of a nation is mainly product of its
- [A] history [C] politics
- [B] international position [D] present character
17. The need for a greater understanding between nations
- [A] was always there [C] is more today than ever before
- [B] is no longer there [D] will always be there
18. The character of a nation is the result of its
- [A] mentality [C] gross ignorance
- [B] cultural heritage [D] socio-political conditions
19. The Battle of Plassey was fought in
- [A] 1757 [C] 1782
- [B] 1749 [D] 1746
20. 'The Vedas contain all the truth was interpreted by
- [A] Swami Vivekananda [C] Raja Rammohan Roy
- [B] Swami Dayananda [D] None of the above
21. The great Victoria Desert is located in
- [A] Canada [C] Australia
- [B] West Africa [D] North America
22. Who among the following invented the small pox vaccine?
- [A] Robert Koch [C] Robert Hooke
- [B] Edward Jenner [D] Louis Pasteur
23. Who declared that his ultimate aim was to wipe 'every tear from every eye'?
- [A] Rajendra Prasad [C] Mahatma Gandhi
- [B] Sardar Patel [D] Jawaharlal Nehru
24. Which of the following pairs of artists and their areas of specialization is not correct?
- [A] Pt. Ravi Shankar - Sitar [C] Hari Prasad Chaurasia - Flute
- [B] M. S. Subbulakshmi - Dance [D] Ustad Zakir Hussain Khan - Tabla

25. Reserve Bank of India was nationalized in the year

- | | |
|----------|----------|
| [A] 1935 | [C] 1945 |
| [B] 1969 | [D] 1949 |

26. Which Asian Games gold medallist banned for eight years?

- | | |
|--------------------|---------------------|
| [A] Sanjeev Rajput | [C] Heena Sidhu |
| [B] Sawarn Singh | [D] Priyanka Panwar |

For questions 27 to 30, pick out the most effective word(s) from the given words to fill in the blank to make the sentence meaningfully complete.

27. I saw a of cows in the field.

- | | |
|-----------|-----------|
| [A] group | [C] swarm |
| [B] herd | [D] flock |

28. Success in this examination depends hard work alone.

- | | |
|----------|---------|
| [A] at | [C] for |
| [B] over | [D] on |

29. My uncle decided to take and my sister to the market.

- | | |
|----------|------------|
| [A] I | [C] me |
| [B] mine | [D] myself |

30. Find the correctly spelt word from following-

- | | |
|-------------|-------------|
| [A] Foreign | [C] Foriegn |
| [B] Foreine | [D] Forein |

31. If the payee does not furnish PAN, TDS u/s 194-I on rent shall be made @

- A) 10%
- B) 20%
- C) 15%
- D) 2%

32. Deduction available from the Net Annual Value (NAV) of the house property u/s 24(a) of the income tax act is -

- A) Actual expenditure incurred to repair the house property during the year
- B) 30% of Net Annual Value
- C) 1/5th of Net Annual Value
- D) Rs. 30,000/-

33. Which is not an underlying assumption for preparing a Financial Statement?

- A) Accrual basis
- B) Consistency
- C) Going concern
- D) Materiality

34. What is the rate of subscription to GP Fund?
- A) Minimum 10% of his emoluments and not more than his total emoluments
 - B) Minimum 6% of his emoluments and not more than his total emoluments
 - C) Minimum 6% of his emoluments no limit on maximum
 - D) Minimum 10% of his emoluments and no limit on maximum
35. Which does not count as qualify service for pension purposes?
- A) Service on Probation against a post followed by confirmation in the same or another post.
 - B) Service as an apprentice.
 - C) Person appointed on contract followed by appointment in a substantive capacity in a pensionable establishment.
 - D) All of the above
36. Interest on delayed payment of gratuity is applicable if?
- A) The Government servant delays submission of papers.
 - B) The delay is attributable to clear administrative lapses.
 - C) The Government servant is ignorant of the rules.
 - D) All of the above
37. A Central Government servant admitted in a recognized hospital, for treatment before retirement but discharged from hospital after two months on attaining the age of superannuation. As per CGHS rule
- A) He will not get any reimbursement
 - B) He will get reimbursement for the entire period
 - C) He will get proportionate reimbursement for which he was in service
 - D) He will get only reimbursable medicine cost
38. Asim joined on 5th January 2019 with probation for one year. His NPS should start from
- A) 5th January 2019
 - B) 5th January 2020
 - C) 1st February 2019
 - D) 1st February 2010
39. When is the communication of a proposal complete:
- A) When it comes to the knowledge of the person to whom it is made
 - B) Only when the proposal, acceptance or revocation of the proposal is recorded in writing
 - C) When the other party gives his assent or dissent to the proposal
 - D) Only when a clear verbal communication of such proposal is made
40. Which of the following feature is not essential for a contract:
- A) It should be in writing only
 - B) free consent of parties competent to contract
 - C) lawful consideration and with a lawful object
 - D) It should not be declared void expressly
41. What is the maximum wage period for the payment of wages?
- A) 1 month
 - B) 30 days
 - C) 3 months
 - D) 89 days
42. What is the minimum amount of bonus paid to an employee?
- A) 10%
 - B) 8.33%
 - C) 20%
 - D) 8.3%

43. The eligibility condition for obtaining gratuity under the Payment of Gratuity Act, 1972 is
A) Completion of 20 years of Service
B) Completion of 10 years of Service
C) Completion of 5 years of Service
D) Completion of 2 years of Service
44. Which of the following is not an example of intangible assets
A) Goodwill
B) Land
C) Franchise rights
D) Patents
45. In India GST became effective from
A) 1st April 2017
B) 1st April 2018
C) 1st July 2017
D) 1st July 2018
46. What does "I" stands for in IGST?
A) Indian
B) International
C) Internal
D) Integrated
47. Under Section 194C of Income Tax Act 1961, TDS provision will not attract if the contractor (Individual) gets only one contract during the financial year not exceeding
A) Rs. 100000/-
B) Rs. 75000/-
C) Rs. 30000/-
D) Rs. 25000/-
48. On superannuation the ratio of withdrawal and annuity purchase of the savings under NPS will be
A) 60:40
B) 40:60
C) 80:20
D) 20:80
49. CAG of India is appointed by
A) Chief Justice of India
B) Parliament of India
C) Prime Minister of India
D) President of India
50. Which one of the following is not the component of internal control?
A) Risk assessment process
B) Management reports
C) The information system
D) Monitoring
51. Read the following two statements and choose the correct alternatives:
- I. Every page in each part of the file should be consecutively numbered in separate series.
II. The record classified as Category 'A' does not qualify for permanent preservation for administrative purposes.
- A. Both I and II are true
B. I is true and II is false

- C. I is false and II is true
D. Both I and II are false
52. "Management By Objectives" was first suggested by:
- Peter Drucker
 - Henry Mintzberg
 - Frederick Taylor
 - Henri Fayol
53. The 'RTI Act, 2005' says that personal information may be disclosed if:
- its disclosure has no relationship to any public activity or interest.
 - it does not cause unwarranted invasion of privacy.
 - the PIO or the appellate authority concerned is satisfied that the larger public interest justifies the disclosure of such information.
- Only I is true
 - Only II is true
 - Only III is true
 - All I, II and III are true
54. Under the Right to Information Rules, 2012, fee for inspection of records, for the first hour of inspection:
- Rs. 5
 - Rs. 10
 - Nil
 - None of the above
55. Second Appeals on information pertaining to a person's life and liberty should be decided by Information Commissions within
- As expeditiously as possible, but within 5 days
 - 48 hours
 - 24 hours
 - No such time limit has been specified
56. Which of the following has been ranked the best Institution in the field of Architecture in the country as per the National Institutional Ranking Framework-2019?
- School of Planning and Architecture, New Delhi
 - Indian Institute of Technology Roorkee
 - Indian Institute of Technology Kharagpur
 - School of Planning and Architecture, Bhopal
57. Presently how many IITs are there in India?
- 19
 - 21
 - 23
 - 25
58. Who is the Chairperson of the Committee for Drafting National Education Policy- 2019?
- Vasudha Kamat
 - K. Kasturirangan
 - Krishna Mohan Tripathy
 - G.Madhavan Nair

59. NAAC is an autonomous institution under the aegis of:
- UGC
 - CSIR
 - AICTE
 - ICSSR
60. All India Council for Technical Education (AICTE) was set up in:
- 1943
 - 1945
 - 1947
 - 1950
61. Procurement from single source may be permitted in which of the following circumstances:
- It is known that only a particular firm is the manufacturer of the required goods
 - In case of an emergency
 - For standardisation of machinery or purchase of spare parts of an existing system.
 - For all of the above cases
62. The amount of performance security should be an amount of:
- 5% to 10% of the estimated cost
 - 5% to 10% of value of the contract
 - 11% to 20% of the estimated cost
 - 11% to 20% of value of the contract
63. What maximum % of advance payment can be made to a private firm without Bank Guarantee:
- 20%
 - 30%
 - 40%
 - None of the above
64. Bid Security is to be obtained from the bidders except:
- Micro, Small and Medium Enterprises (MSME) registered firm
 - Start-up companies as recognised by DIPP
- Both I and II are true
 - I is true and II is false
 - I is false and II is true
 - Both I and II are false
65. Rejection of all Bids is justified when:
- effective competition is lacking
 - none of the technical Proposals meets the minimum technical qualifying score
 - the Bids prices are substantially higher than the updated cost estimate or available budget
- Both I and II are true
 - All I, II and III are true
 - Only II is true
 - Both II and III are true
66. Which of the following is true for definition of Single Tender Contract:
- Only one tender is received
 - Four bids were received but after technical evaluation it results in only one effective bid.
- Only I is true
 - Only II is true
 - Both I and II are true
 - None of I and II are true

67. The full form of QCBS:
- Quality and Cost Based Selection
 - Quantity and Cost Based Selection
 - Quality and Component Based Selection
 - Quantity and Component Based Selection
68. In relation to procurement of Consulting Services the full form of:
- TOR: Table of Rates
 - RFP: Request For Proposal
- Only I is true
 - Only II is true
 - Both I and II are true
 - None of I and II are true
69. Read the following two statements and answer the following:
- Fixed assets should be verified at least once in a year.
 - Consumable goods and materials should be verified at least twice in a year.
- Only I is true
 - Only II is true
 - Both I and II are true
 - None of I and II are true
70. An online real-time purchasing technique to select the successful bid, which involves presentation by bidders of successively more favourable and competitive bids during a scheduled period of time and automatic evaluation of bids is called:
- Electronic Procurement
 - Electronic Buyer Seller Action
 - Electronic Reverse Auction
 - Electronic Buyer Selection
71. Central Government servants are eligible to encash 10 days Earned Leave at the time of availing LTC/HTC, a balance of Earned Leave that should be at his/her credit after taking into account the period of encashment as well leave should be at least :-
- 120 days EL
 - 60 days EL
 - 30 days EL
 - 50 days EL
72. Earned Leave can be ordinarily combined with the following:
- Casual Leave, half pay leave, maternity leave
 - Study leave, casual Leave, maternity leave
 - Study Leave, half pay leave, maternity leave
 - Casual Leave, hospital leave, paternity leave
73. Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act came into force in the year:
- 1997
 - 2013
 - 2016
 - 2015
74. Time limit for Review of suspension of a Central Government employee as per CCS (CCA) rules
- Three months
 - Fifteen days
 - One month
 - Six months

75. A Government servant will be debarred from any future employment in a Government on imposition of Penalty of:
- A) Compulsory Retirement
 - B) Censure
 - C) Removal from service
 - D) Dismissal from service
76. A Government servant was drawing basic pay of Rs. 5250.00 in the pay scale of Rs. 4500-125-700 with DNI on 01.07.2005. His pay scale has been upgraded to Rs. 5000-150-8000 from 20.01.2006. He exercised option for fixation of his pay in the upgraded scale from 01.07.2006. His pay will fixed at
- A) Rs. 5300.00
 - B) Rs. 5375.00
 - C) Rs. 5450.00
 - D) Rs. 5500.00
77. Maximum amount of Gratuity admissible to a Central Government Employee under 7th Central Pay Commission
- A) 3.5 lakh
 - B) 10 lakh
 - C) 20 lakh
 - D) 33 Lakh
78. Fixation of Pay of a Government servant is regulated as per rule:
- A) FR-22
 - B) FR-56(j)
 - C) FR-55
 - D) FR-56
79. The benefit of option for Fixation of Pay is available
- A) In case of Direct Recruitment
 - B) In case of Deputation
 - C) In case of Promotion
 - D) In all the cases
80. The 7th CPC recommended for discontinuation of
- A) House Building Advance
 - B) Motor Car Advance
 - C) Computer Advance
 - D) None of the above
81. The Leave Travel Concession (LTC) facility was first introduced by Government of India in the year
- A) 1956
 - B) 1958
 - C) 1960
 - D) 1965
82. The CCS(LTC) Rule 1988 is not applicable to
- A) Permanent employees of Indian Railways
 - B) Employees appointed on contract with a regular pay scale
 - C) Ex-Serviceman on their re-employment
 - D) All of the above
83. Non entitled Officers can perform air journey from both National and Private airlines between the places connected by train but reimbursement is restricted to
- A) LTC-80 scheme
 - B) First class AC train
 - C) AC bus
 - D) the fare of the entitled class by train

84. Current two year and four year blocks for LTC are:
A) 2017-18, 2017-20
B) 2018-19, 2018-21
C) 2019-20, 2019-22
D) 2017-19, 2017-21
85. Fresh recruits to the Central Government are allowed to travel Any Place in India on availing of LTC in
A) Third Occasion
B) Fourth Occasion
C) Fifth Occasion
D) Any Occasion
86. Who has the right to decide that who will be included in the list of Scheduled Caste and Scheduled Tribes?
(A) Parliament
(B) President
(C) Supreme Court
(D) Governor of the state
87. Which article envisages the establishment of the National Commission for Scheduled Castes?
(A) Article 338
(B) Article 250
(C) Article 180
(D) Article 142
88. Which committee recommended the 27% reservation of the OBCs in the government jobs in 1991?
(A) JogendraNathMandal committee
(B) B.P. Mandal committee
(C) Dilip Singh Bhuria committee
(D) U.N. Debar committe
89. How many Pay Bands are there for government employees under 6th CPC
A) Four
B) Three
C) Two
D) One
90. A government servant whose date of birth is 1st April will retire from service on:
A) 31st March
B) 30th April
C) 31st December
D) 1st April
91. Which of the following actions is permitted to the government servants?
A) to make a joint representation
B) to resort to strike
C) to come late habitually
D) to join the Territorial Army
92. An employee gets promotion on 01.07.2017 and opted to fix his pay from the date of promotion. His DNIs will be
A) 01.07.2017 and then 01.01.2018
B) 01.01.2018 and then 01.07.2018
C) 01.01.2018 and then 01.01.2019
D) 01.07.2018 and then 01.07.2019

93. As per the Records Retention Schedule of Government of India a Category 'C' record is kept 'for specified period ' not exceeding
- A) 3 years
 - B) 5 years
 - C) 10 years
 - D) 25 years
94. Government servant are not entitled to leave salary while availing
- A) Half Pay Leave
 - B) Commuted Leave
 - C) Extra Ordinary Leave
 - D) Maternity Leave
95. What is the maximum amount of study leave which can be availed by a Government employee, other than CHS Officers in his entire service period
- A) 24 months
 - B) 18 months
 - C) 12 months
 - D) 10 months
96. Minimum Qualifying Period required to earn increment as on 1st July is
- A) 12 month
 - B) 09 month
 - C) 06 month
 - D) 03 month
97. OPTION under Fundamental Rule 22(I)(a)(i) is available in case of
- A) Direct Appointment
 - B) Promotion
 - C) Deputation
 - D) All the above circumstances
98. Pay fixation on PROMOTION under 7th CPC is made under ----- of CCS(RP) Rules 2016
- A) Rule-10
 - B) Rule-11
 - C) Rule-12
 - D) Rule-13
99. Stipulated time to exercise Option for pay fixation, on promotion is
- A) One month
 - B) Two months
 - C) Three months
 - D) Four months
100. An employee gets promotion on 01.01.2016 and opted to fix his pay on 7th CPC. His pay is to be fixed on 1.1.2016 in the process of
- A) 1st Notional Inc. in 6th CPC then 7th CPC+DNI 1.7.16
 - B) 1st as per 7th CPC then Notional Inc. on 7th CPC+DNI 1.7.16
 - C) 1st Notional Inc. in 6th CPC then 7th CPC+DNI 1.7.17
 - D) 1st as per 7th CPC then Notional Inc. on 7th CPC+D

Subjective Questions 1-3 (15 marks)



1. Write short notes on

(a) Maternity Leave, Paternity Leave and Child Care Leave (3 marks)

(b) Special Cash Package equivalent in lieu of LTC for Central Government employees during the block 2018-21 (2 marks)

2. Describe in brief Old Pension Scheme and New Pension Scheme (5 marks)

3. Discuss in brief Global Tender Enquiry (GTE) and related amendments in GFR-2017 so far (5 marks)

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