



**QUESTION BOOKLET**

**Suitability Test for NTPC/Skilled Artisan Category Under  
Compassionate Grounds Appointment**

Date of Examination: 10/02/2023

Time : 10:00 hrs. to 12:00 hrs

Marks : 100

**INSTRUCTIONS TO CANDIDATES:**

1. Candidates should write their name, roll number etc., only in the space provided in the fly leaf and NOT in any other sheet.
2. The Question paper contains 100 questions:
  - Part I – General Knowledge
  - Part II – General English
  - Part III – Mathematics
3. All questions are compulsory.
4. Each question carries 1 mark.
5. There shall be no negative mark for wrong answers.
6. Think well before you write your choice of answer. No corrections/Over writings are permitted. If found, the same will not be evaluated.
7. The question paper consists of 9 pages. Candidates should check whether all pages are available before answering.
8. Any unattended page in the answer sheet must be clearly struck out.
9. Choice of answer should be written in capital letter. For example, A, B, C, D etc

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**PART – I (GENERAL KNOWLEDGE)**

|     |   |                       |                   |                         |
|-----|---|-----------------------|-------------------|-------------------------|
| 1.  | Which is the smallest union territory of India in terms of total area?  |                       |                   |                         |
|     | A. Puducherry   | B. Daman and Diu      | C. Chandigarh     | D. Lakshadweep          |
| 2.  | Which of the following states has the highest Lok sabha seats ?   |                       |                   |                         |
|     | A. West Bengal  | B. Maharashtra        | C. Bihar          | D. Uttar Pradesh        |
| 3.  | Which port of India has been listed in the top 30 container ports of the world  |                       |                   |                         |
|     | A. Jawaharlal Nehru Port  | B. Chennai Port       | C. Tuticorin Port | D. Visakhapatnam Port   |
| 4.  | Twang sector is situated in -   |                       |                   |                         |
|     | A. Uttarakhand  | B. Arunachal Pradesh  | C. Assam          | D. Sikkim               |
| 5.  | Which among the following is not a tributary of Brahmaputra river?  |                       |                   |                         |
|     | A. Teesta   | B. Siang              | C. Tons           | D. Manas                |
| 6.  | Lonar lake is situated in the state of _____.   |                       |                   |                         |
|     | A. Maharashtra  | B. West Bengal        | C. Telangana      | D. Andhra Pradesh       |
| 7.  | Which of the following country have common frontier with the Indian State like Uttarakhand, Uttar Pradesh, Bihar, West Bengal and Sikkim? |                       |                   |                         |
|     | A. China  | B. Nepal              | C. Bhutan         | D. Myanmar              |
| 8.  | The Consumer Price Index or CPI is an index used to calculate the _____ of a country.   |                       |                   |                         |
|     | A. Forex  | B. GDP growth         | C. Income tax     | D. Retail inflation     |
| 9.  | Which of the following neighboring country of India shares its borders with maximum number of Indian states?                              |                       |                   |                         |
|     | A. China  | B. India              | C. Pakistan       | D. Nepal                |
| 10. | The Buland Darwaza, a famous Mughal architectural monument is located in  |                       |                   |                         |
|     | A. Agra Fort  | B. Red Fort           | C. Fatehpur Sikri | D. None of these        |
| 11. | Where did Mahatma Gandhi start the Salt Satyagraha?   |                       |                   |                         |
|     | A. Dandi  | B. Sabarmati          | C. Sevagram       | D. Pawanar              |
| 12. | Who was the first Satyagrahi of the Individual Satyagraha Movement?   |                       |                   |                         |
|     | A. Sarojini Naidu   | B. C. Rajagopalachari | C. Vinoba Bhave   | D. Subhash Chandra Bose |

|     |   |                     |    |                          |    |                                   |    |                          |
|-----|---|---------------------|----|--------------------------|----|-----------------------------------|----|--------------------------|
| 13. | Who among the following founded the Forward Bloc in 1939?   |                     |    |                          |    |                                   |    |                          |
|     | A.  | Mahatma Gandhi      | B. | Sardar Vallabhbhai Patel | C. | Subhas Chandra Bose               | D. | Jawaharlal Nehru         |
| 14. | Who among the following was the first European to come to India?  |                     |    |                          |    |                                   |    |                          |
|     | A.  | Portuguese          | B. | British                  | C. | French                            | D. | Dutch                    |
| 15. | Fatehpur Sikri was founded as the capital of the Mughal Empire by _____.  |                     |    |                          |    |                                   |    |                          |
|     | A.  | Jahangir            | B. | Babur                    | C. | Humayun                           | D. | Akbar                    |
| 16. | The "First Marine National Park" of India is located in   |                     |    |                          |    |                                   |    |                          |
|     | A.  | Sunderbans          | B. | Chilka Lake              | C. | Nicobar Islands                   | D. | Gulf of Kutch            |
| 17. | The UNESCO World Heritage Site, "MahabodhiVihar" is situated in which Indian state?   |                     |    |                          |    |                                   |    |                          |
|     | A.  | Madhya Pradesh      | B. | Himachal Pradesh         | C. | Bihar                             | D. | Maharashtra              |
| 18. | Added to the UNESCO list of World Heritage Sites in 2014, the Great Himalayan National Park is located in which state of India? |                     |    |                          |    |                                   |    |                          |
|     | A.  | Uttarakhand         | B. | Haryana                  | C. | Himachal Pradesh                  | D. | Punjab                   |
| 19. | Which one of the following sector provides highest employment in Indian economy?  |                     |    |                          |    |                                   |    |                          |
|     | A.  | Industry sector     | B. | Services sector          | C. | Agriculture and allied activities | D. | Foreign sector           |
| 20. | The difference between total revenue and total expenditure of the government is termed as                                       |                     |    |                          |    |                                   |    |                          |
|     | A.  | Primary deficit     | B. | Fiscal deficit           | C. | Revenue surplus                   | D. | Revenue deficit          |
| 21. | In which of the following States 'Hirakud' dam is situated?   |                     |    |                          |    |                                   |    |                          |
|     | A.  | West Bengal         | B. | Haryana                  | C. | Odisha                            | D. | Jharkhand                |
| 22. | Which of the following is not a Kharif crop?  |                     |    |                          |    |                                   |    |                          |
|     | A.  | Maize               | B. | Wheat                    | C. | Rice                              | D. | Jowar                    |
| 23. | Koodankulam is famous for?  |                     |    |                          |    |                                   |    |                          |
|     | A.  | Nuclear power plant | B. | Thermal power plant      | C. | Biosphere reserve                 | D. | Major port in tamil Nadu |
| 24. | Who defined democracy as a form of government of the people, for the people and by the people?                                  |                     |    |                          |    |                                   |    |                          |
|     | A.  | Mahatma Gandhi      | B. | Abraham Lincoln          | C. | John F. Kennedy                   | D. | George Washington        |
| 25. | Which of the following is NOT a scheduled language of India?  |                     |    |                          |    |                                   |    |                          |
|     | A.  | Mundari             | B. | Santhali                 | C. | Bodo                              | D. | Dogri                    |

|     |  |    |   |    |   |    |  |
|-----|--|----|---|----|---|----|--|
| 26. | What is the full name of the 'World Bank'?   |    |   |    |   |    |  |
| A.  | Universal Bank for Reconstruction and Development  | B. | International Bank for Reconstruction and Development | C. | World Bank for Reconstruction and Development | D. | Global Bank for Reconstruction and Development |
| 27. | Which of the following tax has been abolished by the GST?                                |    |   |    |   |    |  |
| A.  | Service Tax  | B. | Income Tax  | C. | Corporation Tax                               | D. | Wealth Tax                                     |
| 28. | Through which of the following canal route, maximum international trade is taking place? |    |   |    |   |    |  |
| A.  | Panama Canal   | B. | Suez Canal  | C. | English Channel                               | D. | Kiel Canal                                     |
| 29. | which of the following is not an example of 'development bank' in india?                 |    |   |    |   |    |  |
| A.  | State Financial Corporation  | B. | Industrial Development Bank of India                  | C. | Industrial Finance Corporation of India       | D. | Indian Overseas Bank                           |
| 30. | Which of the following is the first biosphere reserve of India?                          |    |   |    |   |    |  |
| A.  | Sunderbans   | B. | Nilgiri   | C. | Nanda Devi                                    | D. | Pachmari                                       |

**PART – II ( GENERAL ENGLISH)**

|     |  |    |                                 |    |                                 |    |                                 |
|-----|--|----|---------------------------------|----|---------------------------------|----|---------------------------------|
| 31. | Which of the given below words spelt correctly?  |    |                                 |    |                                 |    |                                 |
| A.  | Injencion  | B. | Injoncten                       | C. | Injuntion                       | D. | Injunction                      |
| 32. | Which of the given below words spelt correctly?  |    |                                 |    |                                 |    |                                 |
| A.  | Grammer  | B. | Ilogical                        | C. | Irreplaceable                   | D. | Appearence                      |
| 33. | Choose the option that has all the three words spelt correctly:  |    |                                 |    |                                 |    |                                 |
| A.  | Exercise, enterprise, supervise  | B. | Exercise, entirprise, supervise | C. | Exercise, enterprise, supervice | D. | Exercise, enterprise, superwise |
| 34. | Choose the option that has all words spelt correctly:  |    |                                 |    |                                 |    |                                 |
| A.  | servant, guidance , assistant  | B. | servent , guidance , asistant   | C. | servent , guidance , assistant  | D. | servant , guidance , assistent  |
| 35. | <i>Fill in the blanks with the proper tense from the given options.</i><br>The windows ..... after I cleaned them yesterday. |    |                                 |    |                                 |    |                                 |
| A.  | sparkle  | B. | sparkled                        | C. | sparkling                       | D. | will sparkle                    |
| 36. | <i>Fill in the blanks with the proper tense from the given options.</i><br>I ..... the work before you asked me about it.    |    |                                 |    |                                 |    |                                 |
| A.  | had completed  | B. | completed                       | C. | complete                        | D. | have completed                  |

|  |  |               |               |                 |
|--|--|---------------|---------------|-----------------|
| 37.  | <i>Fill in the blanks with the appropriate word from the given options.</i><br>The pen is .....than the sword.       |               |               |                 |
|  | A. might   | B. mighty     | C. mightily   | D. mightier     |
| 38.  | <i>Fill in the blanks with the appropriate word from the given options.</i><br>Do we have .....food for a fortnight? |               |               |                 |
|  | A. any   | B. sufficient | C. indeed     | D. many         |
| <b><i>Fill in the blanks (39-43)</i></b>   |  |               |               |                 |
| 39.  | Warning! No unauthorized personnel _____ this point.   |               |               |                 |
|  | A. of  | B. beyond     | C. besides    | D. since        |
| 40.  | There is _____ milk in the glass; you can use it to make tea.  |               |               |                 |
|  | A. any   | B. a little   | C. no         | D. little       |
| 41.  | Both Mansi and Milli _____ the answer.   |               |               |                 |
|  | A. knowed  | B. know       | C. knows      | D. knowing      |
| 42.  | .....market will remain closed for two days.   |               |               |                 |
|  | A. The   | B. A          | C. An         | D. Is           |
| 43.  | .....ink in my pen is red.   |               |               |                 |
|  | A. A   | B. Is         | C. An         | D. The          |
| <b><i>Select the English word which is nearer to the meaning - Synonym</i></b>   |  |               |               |                 |
| 44.  | ERUDITE  |               |               |                 |
|  | A. Execute   | B. Expanse    | C. Academic   | D. Settle       |
| 45.  | Retaliate  |               |               |                 |
|  | A. Facilitate  | B. Rotate     | C. Clap       | D. React        |
| 46.  | PLEASANT   |               |               |                 |
|  | A. Tiresome  | B. Tedious    | C. Refreshing | D. Exasperating |
| 47.  | Nourish  |               |               |                 |
|  | A. Courage   | B. Read       | C. Nurture    | D. Remain       |
| 48.  | Vibrant  |               |               |                 |
|  | A. Dynamic   | B. Raise      | C. Stable     | D. Stay         |
| 49.  | Choosy   |               |               |                 |
|  | A. Tricky  | B. Selective  | C. Frank      | D. Productive   |
| <b><i>Select the English word which is opposite to the meaning – Antonym</i></b> |  |               |               |                 |
| 50.  | Raze   |               |               |                 |
|  | A. Comfort   | B. Ease       | C. Ruin       | D. Build        |

|     |              |                |             |              |
|-----|--------------|----------------|-------------|--------------|
| 51. | PRECIOUS     |                |             |              |
|     | A. costly    | B. Rare        | C. Simple   | D. Cheap     |
| 52. | Refute       |                |             |              |
|     | A. Endorse   | B. Acknowledge | C. Deny     | D. Dispute   |
| 53. | Incidental   |                |             |              |
|     | A. Fortunate | B. Important   | C. Planned  | D. Arbitrary |
| 54. | Infirm       |                |             |              |
|     | A. Faint     | B. Anaemic     | C. Fragile  | D. Strong    |
| 55. | Abolish      |                |             |              |
|     | A. Disprove  | B. Contest     | C. Continue | D. Disclose  |

**PART – III ( ARITHMETIC)**

|     |   |              |           |           |
|-----|---|--------------|-----------|-----------|
| 56. | If the average of m numbers is $n/2$ and that of n numbers is $m/2$ , then average of (m + n) numbers is -  |              |           |           |
|     | A. $m-n$  | B. $mn$      | C. $m/n$  | D. $m+n$  |
| 57. | Solve $(16 - 24)^2 + 3 \times 11 - 25$  |              |           |           |
|     | A. 736  | B. 451       | C. 96     | D. 72     |
| 58. | The average of 8 consecutive integers is $23/2$ . What is the average of first three integers?  |              |           |           |
|     | A. 9  | B. 10        | C. 7      | D. 8      |
| 59. | A truck covers a distance of 140 km at a speed of 35 km/h. It covers the next 20 km in 30 minutes and the last 30 km at a speed of 60 km/h. What is the average speed (in km/h) of the truck? |              |           |           |
|     | A. 42   | B. 48.5      | C. 40     | D. 38     |
| 60. | A man travels 30 km by sea at the speed of 6 km/hr and the remaining 40 km in 5 hours. What is his normal speed for the whole journey?  |              |           |           |
|     | A. 70/11 kmph   | B. 15/2 kmph | C. 7 kmph | D. 8 kmph |
| 61. | A Sum becomes ₹ 8,800 in 4 years at simple interest at the yearly interest rate of 25% p.a. What is the sum (in rupees)?  |              |           |           |
|     | A. 2200   | B. 3300      | C. 4400   | D. 1100   |
| 62. | If LCM of two numbers is 189 and the numbers are in the ratio 9 : 7, then find the sum of the numbers.  |              |           |           |
|     | A. 48   | B. 12        | C. 16     | D. 24     |
| 63. | If the sum of LCM and HCF of two numbers is 396 and the difference between the LCM and HCF is 324 and the 1st number is 72 then find the second number.                                       |              |           |           |
|     | A. 125  | B. 180       | C. 126    | D. 127    |

|     |  |                        |    |                        |    |                          |    |                      |
|-----|--|------------------------|----|------------------------|----|--------------------------|----|----------------------|
| 64. | Three cups of ice cream, two burgers and four soft drinks together cost Rs. 128. Two cups of ice cream, one burger and two soft drinks together cost Rs. 74. What is the cost of five burgers and ten soft drinks? |                        |    |                        |    |                          |    |                      |
|     | A.   | Rs.160                 | B. | Rs.128                 | C. | Rs.170                   | D. | Cannot be determined |
| 65. | From a circular plate of diameter 6 cm, a circle is cut out whose diameter is radius of the plate. The area of the remaining plate is  |                        |    |                        |    |                          |    |                      |
|     | A.   | $27\pi/2 \text{ cm}^2$ | B. | $27\pi/4 \text{ cm}^2$ | C. | $27\pi^2/4 \text{ cm}^2$ | D. | $27\pi \text{ cm}^2$ |
| 66. | A triangle with vertices (0, 0), (3, 4) and (7, 7) is:   |                        |    |                        |    |                          |    |                      |
|     | A.   | isosceles Triangle     | B. | Right Angle Triangle   | C. | Equilateral Triangle     | D. | None of these        |
| 67. | Point on the x-axis which is equidistant from (2,-5) and (-2,9) is:  |                        |    |                        |    |                          |    |                      |
|     | A.   | (-7,0)                 | B. | (-14,0)                | C. | (7,0)                    | D. | (14,0)               |
| 68. | The average weight of P and his three friends is 55 kg. If P is 4 kg more than the average weight of his three friends, what is P's weight (in kg)?  |                        |    |                        |    |                          |    |                      |
|     | A.   | 60                     | B. | 58                     | C. | 54                       | D. | 62                   |
| 69. | Solve $x = \frac{1}{1+\sqrt{2}}$ , then the value of $x^2 + 2x + 3$ is   |                        |    |                        |    |                          |    |                      |
|     | A.   | $3 + \sqrt{2}$         | B. | 4                      | C. | 0                        | D. | $2 + \sqrt{2}$       |
| 70. | Solve the following equation<br>$\sqrt{3x + 13} = x + 1$   |                        |    |                        |    |                          |    |                      |
|     | A.   | {-3}                   | B. | {-4}                   | C. | {-3, 4}                  | D. | No solution          |
| 71. | Average age of three boys is 22 years. If the ratio of their ages is 6 : 9 : 7, then the age of the youngest boy is  |                        |    |                        |    |                          |    |                      |
|     | A.   | 8 years                | B. | 9 years                | C. | 18 years                 | D. | 16 years             |
| 72. | What is the height of equilateral triangle whose side is $5\sqrt{3}$ cm?   |                        |    |                        |    |                          |    |                      |
|     | A.   | 7.5 cm                 | B. | 8 cm                   | C. | 5 cm                     | D. | 6 cm                 |
| 73. | If $(a - b) = 3$ and $ab = 70$ , then find the value of $(a^3 - b^3)$ .  |                        |    |                        |    |                          |    |                      |
|     | A.   | 657                    | B. | 783                    | C. | 840                      | D. | 580                  |
| 74. | If $x + 1/x = 1$ , then, find the value of $x^2 + \frac{1}{x^2} + 6$ is  |                        |    |                        |    |                          |    |                      |
|     | A.   | 4                      | B. | 5                      | C. | 6                        | D. | 8                    |
| 75. | What is the simple interest on Rs. 32,000 at 8.5% per annum for period from 10th Feb., 2019 to 24th April, 2019?   |                        |    |                        |    |                          |    |                      |
|     | A.   | Rs.550                 | B. | Rs.555                 | C. | Rs.544                   | D. | Rs.540               |

|     |  |                 |    |                           |
|-----|--|-----------------|----|---------------------------|
| 76. | The area of the triangle whose vertices are given by the coordinates (1, 2), (-4, -3) and (4, 1) is:   |                 |    |                           |
|     | A.   | 7 sq. units     | B. | 20 sq. units              |
|     |  |                 | C. | 10 sq. units              |
|     |  |                 | D. | 14 sq. units              |
| 77. | A circle touches all four sides of a quadrilateral PQRS. If PQ = 11 cm. QR = 12 cm and PS = 8 cm. then what is the length of RS ?  |                 |    |                           |
|     | A.   | 7 cm            | B. | 15 cm                     |
|     |  |                 | C. | 9 cm                      |
|     |  |                 | D. | 7.3 cm                    |
| 78. | How many digits will be there in the cube root of 46656?   |                 |    |                           |
|     | A.   | 2               | B. | 1                         |
|     |  |                 | C. | 3                         |
|     |  |                 | D. | 4                         |
| 79. | How many vertices does a pyramid with square base have?  |                 |    |                           |
|     | A.   | 5               | B. | 4                         |
|     |  |                 | C. | 3                         |
|     |  |                 | D. | 6                         |
| 80. | The cost of the article was Rs. 15500 and Rs. 500 was spent on its repairing. If it is sold for a profit of 15%. The selling price of the article is:                                    |                 |    |                           |
|     | A.   | Rs.16400        | B. | Rs.17400                  |
|     |  |                 | C. | Rs.18400                  |
|     |  |                 | D. | Rs.19400                  |
| 81. | Find the degree of the polynomial $2x^5 + 3x^3y^3 + 4y^4 + 5$  |                 |    |                           |
|     | A.   | 3               | B. | 5                         |
|     |  |                 | C. | 6                         |
|     |  |                 | D. | 9                         |
| 82. | The value of $\sqrt[4]{(16)^{-2}}$   |                 |    |                           |
|     | A.   | 1/4             | B. | 1/2                       |
|     |  |                 | C. | 4                         |
|     |  |                 | D. | 1/16                      |
| 83. | The linear equation $3x-11y=10$ has  |                 |    |                           |
|     | A.   | Unique solution | B. | Two solutions             |
|     |  |                 | C. | Infinitely many solutions |
|     |  |                 | D. | No solutions              |
| 84. | The graph of the linear equation $5x + 3y = 10$ is a line which meets the x-axis at the point:   |                 |    |                           |
|     | A.   | (0,3)           | B. | (3,0)                     |
|     |  |                 | C. | (2,0)                     |
|     |  |                 | D. | (0,2)                     |
| 85. | ABCD is an isosceles trapezium such that $AD \parallel BC$ , $AB = 5$ cm, $AD = 8$ cm and $BC = 14$ cm. What is the area (in $\text{cm}^2$ ) of trapezium?                               |                 |    |                           |
|     | A.   | 36              | B. | 44                        |
|     |  |                 | C. | 88                        |
|     |  |                 | D. | 144                       |
| 86. | If a triangle and a parallelogram are on the same base and between same parallels, then the ratio of the area of the triangle to the area of the parallelogram will be:                  |                 |    |                           |
|     | A.   | 1:2             | B. | 3:2                       |
|     |  |                 | C. | 1:4                       |
|     |  |                 | D. | 1:3                       |
| 87. | Two dice are thrown simultaneously and the sum of the numbers appearing on them is noted. What is the probability that the sum is 12?  |                 |    |                           |
|     | A.   | 1/36            | B. | 3                         |
|     |  |                 | C. | 36                        |
|     |  |                 | D. | 12/36                     |
| 88. | The probability of drawing an ace card from a deck of cards is:  |                 |    |                           |
|     | A.   | 1/52            | B. | 1/26                      |
|     |  |                 | C. | 4/13                      |
|     |  |                 | D. | 1/13                      |
| 89. | The points scored by a Kabaddi team in a series of matches are as follows:<br>17, 3, 7, 27, 15, 5, 14, 8, 10, 25, 50, 10, 8, 7, 18, 29<br>The median of the points scored by the team is |                 |    |                           |
|     | A.   | 18              | B. | 12                        |
|     |  |                 | C. | 10                        |
|     |  |                 | D. | 25                        |



|     |  |    |                         |    |                         |    |                        |
|-----|--|----|-------------------------|----|-------------------------|----|------------------------|
| 90. | Find the standard deviation of {7, 13, 15, 11, 4}  |    |                         |    |                         |    |                        |
| A.  | 16   | B. | 25                      | C. | 5                       | D. | 4                      |
| 91. | If the radius of a cylinder is 4cm and height is 10cm, then the total surface area of a cylinder is:   |    |                         |    |                         |    |                        |
| A.  | 440 sq.cm  | B. | 352 sq.cm               | C. | 400 sq.cm               | D. | 412 sq.cm              |
| 92. | Area of a sector of a circle of radius 36 cm is $54\pi$ cm <sup>2</sup> . Find the length of the corresponding arc of the sector.  |    |                         |    |                         |    |                        |
| A.  | $3\pi$   | B. | $6\pi$                  | C. | $9\pi$                  | D. | $5\pi$                 |
| 93. | If each interior angle of a regular polygon is $165^\circ$ , then the number of sides of the polygon is  |    |                         |    |                         |    |                        |
| A.  | 12   | B. | 24                      | C. | 6                       | D. | 8                      |
| 94. | A car covers a distance of 48 km at a speed of 40 km/h and another 52 km with a speed of 65 km/h. What is the average speed of the car (in km/h) for the total distance covered? |    |                         |    |                         |    |                        |
| A.  | 52   | B. | 50                      | C. | 52.5                    | D. | 53                     |
| 95. | A runs twice as fast as B and B runs thrice as fast as C. The distance covered by C in 72 minutes, will be covered by A in:  |    |                         |    |                         |    |                        |
| A.  | 18 minutes   | B. | 24 minutes              | C. | 16 minutes              | D. | 12 minutes             |
| 96. | A train crosses a platform in 30 seconds travelling at a speed of 72 km/hr. If the length of the train be 120 metres, then what will be the length (in metres) of the platform?  |    |                         |    |                         |    |                        |
| A.  | 320  | B. | 450                     | C. | 480                     | D. | 360                    |
| 97. | The area of the circle that can be inscribed in a square of side 8 cm is   |    |                         |    |                         |    |                        |
| A.  | $36\pi$ cm <sup>2</sup>  | B. | $16\pi$ cm <sup>2</sup> | C. | $12\pi$ cm <sup>2</sup> | D. | $9\pi$ cm <sup>2</sup> |
| 98. | The area of the square that can be inscribed in a circle of radius 8 cm is   |    |                         |    |                         |    |                        |
| A.  | 256 sq.cm  | B. | 128 sq.cm               | C. | 642 sq.cm               | D. | 64 sq.cm               |
| 99. | Given that the mode and mean as 7 and 8, respectively. Then the median is:   |    |                         |    |                         |    |                        |
| A.  | 1/13   | B. | 13/3                    | C. | 23/3                    | D. | 33                     |
| 100 | A bag has 3 red balls and 5 green balls. If we take a ball from the bag, then what is the probability of getting red balls only?   |    |                         |    |                         |    |                        |
| A.  | 3  | B. | 5/8                     | C. | 3/8                     | D. | 8/3                    |

**Answer Key of Suitability Test for NTPC/Skilled Artisan Category Under  
Compassionate Grounds Appointment Dated 10/02/2023**

|    |   |  |    |   |  |    |   |  |     |   |
|----|---|--|----|---|--|----|---|--|-----|---|
| 1  | D |  | 31 | D |  | 61 | B |  | 91  | B |
| 2  | D |  | 32 | C |  | 62 | A |  | 92  | A |
| 3  | A |  | 33 | A |  | 63 | B |  | 93  | B |
| 4  | B |  | 34 | A |  | 64 | C |  | 94  | B |
| 5  | C |  | 35 | B |  | 65 | C |  | 95  | D |
| 6  | A |  | 36 | A |  | 66 | A |  | 96  | C |
| 7  | B |  | 37 | D |  | 67 | A |  | 97  | B |
| 8  | D |  | 38 | B |  | 68 | B |  | 98  | B |
| 9  | D |  | 39 | B |  | 69 | B |  | 99  | C |
| 10 | C |  | 40 | B |  | 70 | C |  | 100 | C |
| 11 | B |  | 41 | C |  | 71 | C |  |     |   |
| 12 | C |  | 42 | A |  | 72 | A |  |     |   |
| 13 | C |  | 43 | D |  | 73 | A |  |     |   |
| 14 | A |  | 44 | C |  | 74 | B |  |     |   |
| 15 | D |  | 45 | D |  | 75 | C |  |     |   |
| 16 | D |  | 46 | C |  | 76 | C |  |     |   |
| 17 | C |  | 47 | C |  | 77 | C |  |     |   |
| 18 | C |  | 48 | A |  | 78 | A |  |     |   |
| 19 | C |  | 49 | B |  | 79 | A |  |     |   |
| 20 | B |  | 50 | D |  | 80 | C |  |     |   |
| 21 | C |  | 51 | D |  | 81 | B |  |     |   |
| 22 | B |  | 52 | A |  | 82 | A |  |     |   |
| 23 | A |  | 53 | C |  | 83 | C |  |     |   |
| 24 | B |  | 54 | D |  | 84 | C |  |     |   |
| 25 | A |  | 55 | C |  | 85 | B |  |     |   |
| 26 | B |  | 56 | B |  | 86 | A |  |     |   |
| 27 | A |  | 57 | D |  | 87 | A |  |     |   |
| 28 | A |  | 58 | D |  | 88 | D |  |     |   |
| 29 | D |  | 59 | D |  | 89 | B |  |     |   |
| 30 | B |  | 60 | C |  | 90 | D |  |     |   |