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# Railway NTPC Pre

### Read the following instructions carefully before you begin to attempt the questions. **INSTRUCTIONS TO CANDIDATE**

- (1) This booklet contains 100 Questions.
  - CBT I (Mathematics, Mental Ability, General Science & General Awareness) (100 Questions)
- (2)All the questions are compulsory and carry equal marks.
- (3)Before you start to attempt the questions, you must explore this booklet and ensure that it contains all the pages and find that no page is missing or replaced. If you find any flaw in this booklet, you must get it replaced immediately.
- (4)Each question carries negative marking also as 1/3 mark will be deducted for each wrong answer.
- (5)Answer must be shown by completely blackening the corresponding circles on the Answer-Sheet against the relevant question number by Black/Blue ball pen only.
- (6)Failure to comply with any of the above Instructions will make a candidate liable to such action/penalty as may be deemed fit.
- (7)Answer the questions as quickly and as carefully as you can. Some questions may be difficult and others easy. Do not spend too much time on any question.
- (8)Mobile phones and wireless communication device are completely banned in the examination halls/rooms. Candidates are advised not to keep mobile phones/any other wireless communication devices with them even switching it off, in their own interest. Failing to comply with this provision will be considered as using unfair means in the examination and action will be taken against them including cancellation of their candidature.
- (9)No rough work is to be done on the Answer-Sheet.
- No candidate can leave the examination hall before completion of the exam.

| NAME OF CANDIDATE:   |  |
|----------------------|--|
| DATE : CENTRE CODE : |  |
| ROLL No              |  |
|                      |  |

100 Maximum Marks **Total Questions** 100 Time Allowed 90 Min.

#### DO NOT OEPEN THIS TEST BOOKLET UNTIL YOU ARE TOLD TO DO SO

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## CBT I (Mathematics, Mental Ability, General Science & General Awareness)

| 1.        | The Indian Football team Olympics in  (A) 1936 (C) 1952           | made its first appearance at  (B) 1948 (D) 1956  | 11. | ADBC : EHFG : : ILJK : ? (A) MOPN (C) ORPQ  | (B) MPNO<br>(D) MPON   |
|-----------|---|--|-----|---|--|
| Direction | shorter than Rad and Gu   | han Sem and Rem, Rem is<br>r, Bin is taller than Rad and<br>not the tallest and Rem is | 12. | 48:122::168:?<br>(A) 292<br>(C) 225   | (B) 290<br>(D) 215   |
| 2.        | not the shortest.  Who is the tallest?                            |  | 13. | 20 : 11 : : 102 : ?<br>(A) 49<br>(C) 61   | ( <b>B</b> ) 52 ( <b>D</b> ) 98  |
| -         | (A) Sun<br>(C) Gur  | ( <b>B</b> ) Bin ( <b>D</b> ) Rad  | 14. | What is the value of 296  | × 304?   |
| 3.        | Who is the shortest? (A) Rad                                      | <b>(B)</b> Rem   |     | ( <b>A</b> ) 89974<br>( <b>C</b> ) 79984  | ( <b>B</b> ) 89874<br>( <b>D</b> ) 89984   |
| 4.        | (C) Bin   | (D) Sem tes the boundary between   | 15. | Transverse waves can pro<br>(A) Both in a gas and in a<br>(B) In a gas but not in a m | metal  |
| ٠.        | (A) India and Pakistan  | (B) India and China  |     | (C) Not in a gas but not in a n<br>(D) Neither in a gas nor ir                        | netal  |
|           | (C) India and Nepal   | (D) India and Bangladesh   | 16. | In a certain code langu   | lage, 'NIGHT' is written as  |
| 5.        | increases the price by ₹ profit of 20%. What is the               | at at a loss of 10%. If he<br>5 per kg, he would make a<br>cost price per kg of wheat? |     | '45738', 'PAPER' is wr<br>written as '8246' and 'P<br>What is the code for '5' in     | itten as '32119', 'KITE' is<br>IRTH' is written as '98543',<br>that code language? |
|           | <b>(A)</b> $16\frac{2}{3}$ per kg                                 |  |     | (A) I<br>(C) H  | ( <b>B</b> ) T<br>( <b>D</b> ) R   |
|           | <b>(C)</b> $17\frac{1}{2}$ per kg                                 | <b>(D)</b> $18\frac{1}{2}$ per kg  | 17. | above, it appears   |  |
| 6.        |   | nday. Sudha read that book   |     | <ul><li>(A) Raised from its position</li><li>(B) Below its position</li></ul>         | וונ  |
|           | one day prior to Anil but 4 day did Anil read the book (A) Friday | days after Satish. On which  (R)  (B) Thursday   |     | (C) At the same position (D) None of these  |  |
|           | (C) Tuesday   | (D) Saturday   | 18. |   | English word can be formed<br>sing each letter only once in                        |
| 7.        | years and the average a   | and his two children is 17<br>age of Ram's wife and the<br>s. If the age of Ram is 33  |     | each word?<br>(A) None<br>(B) One   |  |
|           | years, then the age (in year                                      | ars) of his wife is  |     | (C) Two   |  |
|           | (A) 31<br>(C) 35  | (B) 32<br>(D) 30   |     | (D) Three or more than th   |  |
| 8.        | The absolute charge of ar <b>(A)</b> $(-1.6) \times 10^{-19}$ C   | electron is<br><b>(B)</b> (+1.6) × 10 <sup>+19</sup> C                                 | 19. |   | mon Factor of $\frac{4}{5}$ and $\frac{7}{15}$ ?                                   |
| 9.        | (C) 1.6 × 10 <sup>-19</sup> C                                     | (D) None of these the population of a town be  |     | (A) $\frac{1}{13}$  | (B) $\frac{1}{5}$  |
| 3.        | 4% and the present popul 2 years ago?                             | lation be 57600, what was it   |     | (C) $\frac{1}{15}$  | <b>(D)</b> $\frac{1}{25}$  |
|           | (A) 64000<br>(C) 65000  | (B) 62000<br>(D) 62500   | 20. | Arjun were talking to e   | set, two friends Ramu and<br>each other face to face. If                           |
| Direction | on 10 to 13: Select the relative given alternatives.              | ited word/letter/number from   |     | Ramu's shadow was direction was Arjun facing (A) West                                 | exactly to his left, which i?  (B) East  |
| 10.       | Laugh: Happy:: Weep:  | ?  |     | (C) North   | (D) South  |
|           | (A) Grief<br>(C) Baby   | (B) Remorse<br>(D) Carol   | 21. |   | e rupee a seller losses 20%.<br>how many pens should be                            |
|           |   |  |     | (A) 10<br>(C) 6   | ( <b>B</b> ) 5 ( <b>D</b> ) 8  |
|           |   |  |     |   |  |



| 22.         | 'DEAR' is written as '931   | e, 'RED' is written as '713',<br>7', 'FRY' is written as '287'<br>3756'. What is the code for  | Direction | on 35 and 36: Select the alternatives.   | odd word/letter from given                |  |  |  |  |  |  |  |
|-------------|---|--|-----------|--|---|--|--|--|--|--|--|--|
|             | 'R' in that code language? (A) 1 (C) 7                              | (B) 3<br>(D) 5   | 35.       | (A) Steel<br>(C) Copper  | (B) Silver<br>(D) Gold                    |  |  |  |  |  |  |  |
| 23.         | What is the largest three d   | <b>(B)</b> 729   | 36.       | (A) MKO<br>(C) VTX   | (B) QSO<br>(D) DBF                        |  |  |  |  |  |  |  |
| 24.         | (C) 100 Oxidation is defined as                                     | ( <b>D</b> ) 216   | 37.       | A man can row a boat upstream at a speed of<br>km/hr and downstream at a speed of 16 km/hr. Whis the speed of the stream?  |   |  |  |  |  |  |  |  |
|             | <ul><li>(A) loss of electrons</li><li>(C) gain of protons</li></ul> | (B) gain of electrons (D) loss of protons  |           | (A) 1 km/hr<br>(C) 3 km/hr   | (B) 2 km/hr<br>(D) 4 km/hr                |  |  |  |  |  |  |  |
| 25.         | hours a day. Then, in how make 32 toys working 16 h                 | The second secon | 38.       | passed away recently, community in Telangana?  |   |  |  |  |  |  |  |  |
|             | (A) 4<br>(C) 8  | ( <b>B</b> ) 6 ( <b>D</b> ) 12   |           | (A) Lambadi<br>(C) Koya  | (B) Raj Gond<br>(D) Banjara               |  |  |  |  |  |  |  |
| 26.         | How many times the digitifrom 203 to 302? (A) 18                    | t 6 appears in the number (B) 19   | Direction | on 39 and 40: Select the alternatives.   | odd word/letter from given                |  |  |  |  |  |  |  |
|             | (C) 20  | (D) 21   | 39.       | (A) Tornado<br>(C) Typhoon   | (B) Volcano<br>(D) Hurricane              |  |  |  |  |  |  |  |
| 27.         | An ideal fuel should have (A) High calorific value                  | ·  | 40.       | (A) ACF  | (B) JLP                                   |  |  |  |  |  |  |  |
|             | (B) Low ignition temperatu<br>(C) Regulated and control             |  |           | (C) RTW  | (D) GIL                                   |  |  |  |  |  |  |  |
|             | (D) All of the above  |  | 41.       | What is the average of 1 <sup>1</sup> , 2 <sup>2</sup> , 3 <sup>2</sup> , 4 <sup>2</sup> , 5 <sup>2</sup> , 6 <sup>2</sup> , 7 <sup>2</sup> , 8 <sup>2</sup> , 10 <sup>2</sup> ? |   |  |  |  |  |  |  |  |
| 28.         | If $x + \frac{1}{4x} = \frac{3}{2}$ , what is the                   |  |           | (A) 42.5<br>(C) 50.5   | (B) 46.5<br>(D) 38.5                      |  |  |  |  |  |  |  |
| 20          | (A) 18<br>(C) 24  | (B) 36<br>(D) 16   | 42.       | If 'ROAD' is called 'CAR', 'CAR' is called 'TRAIN'<br>'TRAIN' is called 'SCHOOL', 'SCHOOL' is called 'HOUSE', 'HOUSE' is called 'OFFICE', then where do                          |   |  |  |  |  |  |  |  |
| 29.         | Which one of the following (A) Chlorophyll                          | (B) Haemoglobin  |           | children go to study? (A) HOUSE  | (B) TRAIN                                 |  |  |  |  |  |  |  |
|             | (C) Vitamin C   | (D) Vitamin B12  |           | (C) SCHOOL   | (D) OFFICE                                |  |  |  |  |  |  |  |
| Directio    |   | iven with one term missing.<br>ive from the given ones that  | 43.       | If 'A' means '-', 'B' means 'x', then 15 B 3 C 24 A 12   | s '÷', 'C' means '+', D means<br>D 2 = ?  |  |  |  |  |  |  |  |
| 100         | No. and the Manager In America and                                  |  |           | (A) 5<br>(C) 6   | (B) 8<br>(D) 43                           |  |  |  |  |  |  |  |
| 30.         | DAB, IFG, NKL, ?<br>(A) SPQ   | (B) SOP  |           |  | (2) 10                                    |  |  |  |  |  |  |  |
| 0.4         | (C) SPO   | (D) RSQ  | 44.       | Annealing process is<br>(A) heating the steel br<br>slowly   | <br>right red and then cooling            |  |  |  |  |  |  |  |
| 31.         | 7, 9, 13, 21, 37, ? <b>(A)</b> 58                                   | <b>(B)</b> 63  |           |  | a temperature much below                  |  |  |  |  |  |  |  |
| 32.         | (C) 69<br>3, 14, 35, 46, 67, ?                                      | (D) 72   |           | redness and cooling it slow<br>(C) beating rods of iron en<br>(D) heating steel to bright  | nbedded in charcoal powder                |  |  |  |  |  |  |  |
| <b>02</b> . | (A) 78  | <b>(B)</b> 68  | 45.       | A certain number of men  | can do a work in 60 days. If              |  |  |  |  |  |  |  |
| 33.         | (C) 98  The number of mole of                                       | (D) 88 solute per litre solution is  |           | there were 8 men more it less. How many men were   | could be finished in 10 days in starting? |  |  |  |  |  |  |  |
|             | called .  |  |           | (A) 30<br>(C) 36   | ( <b>B</b> ) 32<br>( <b>D</b> ) 40        |  |  |  |  |  |  |  |
|             | (A) Molality (C) Molarity   | (B) Normality (D) Mole fraction  | 46.       |  | quake is measured on the                  |  |  |  |  |  |  |  |
| 34.         | Organisation responsible  | for maintaining Red data   |           |  |   |  |  |  |  |  |  |  |
| 5.01        | book is   |  |           | <ul><li>(A) Barometer</li><li>(C) Kelvin meter</li></ul>   | (B) Anemometer (D) Richter scale          |  |  |  |  |  |  |  |
|             | (A) IUCN<br>(C) WWF   | (B) CITES<br>(D) IBWL  |           | . ,  |   |  |  |  |  |  |  |  |
|             |   |  |           |  |   |  |  |  |  |  |  |  |



| 47. | Moving | $\frac{6}{7}$ | of its | usual | speed | а | train | is | 10 | minutes |
|-----|--------|---------------|--------|-------|-------|---|-------|----|----|---------|
|-----|--------|---------------|--------|-------|-------|---|-------|----|----|---------|

late. What its usual time to cover the journey?

- (A) 25 minutes
- (B) 15 minutes
- (C) 35 minutes
- (D) 60 minutes
- 48. Which one of the following has highest ionization energy?
  - (A) O
- (B) S
- (C) Se
- (D) Te
- 49. A discount of 30% on the marked price of a toy reduces its selling price by ₹ 30. What is the new selling price (in ₹)?
  - (A) 70
- (B) 21
- (C) 130
- (D) 100
- 50. In a  $\triangle PQR$ ,  $\angle Q = 55^{\circ}$  and  $\angle R = 35^{\circ}$ . Find the ratio of angles subtended by side QR on circumcentre, and orthocenter of the triangle?
  - (A) 3:2:1
- (B) 3:2:4
- (C) 3:2:4
- (D) 4:3:2
- Direction 51 and 52: In each question below are given two statements numbered I and II. You have to take the two given statements as true even if they seem to be at variance with commonly known fact. Read all the conclusions given in the options and then decide which of the given conclusions logically follow the given statements, disregarding commonly known facts.
- 51. Statements: I. All vegetable have gravy.
  - II. All lunch have vegetable.
  - (A) All lunch have gravy
  - (B) All gravy has lunch
  - (C) Both (A) and (B)
  - (D) None of these
- 52. Statement: I. Some blues are green.
  - II. All pink is green.
  - (A) Some blue is pink.
  - (B) Some green is pink.
  - (C) Either (A) or (B) follows
  - (D) Some pink are blue
- Two numbers are in the ratio of 8:3 and their sum is 53. 242. What is the difference between the two numbers?
  - (A) 90
- (B) 100
- (C) 112
- (D) 110
- Quit India Movement began on 54.
  - (A) 8th August, 1942
- (B) 10th August, 1942
- (C) 15th August, 1942
- (D) 16th August, 1942
- Matki Dance is folk dance of which state? 55.
- (A) Madhya Pradesh
- (B) Maharashtra
- (C) Bihar
- (D) Punjab
- If a, b are rational number and  $(a 1)\sqrt{2} + 3 = b\sqrt{2} +$ 56. a, then what is the value of (a + b)?
  - (A) -5
- **(B)** 3
- (C) -3
- (D) 5

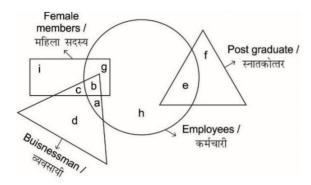
- 57. A vertical pole and a vertical tower are standing on the same ground level. Height of the pole is 10 metres. From the top of the pole the angle of elevation of the top of the tower and angle of depression of the foot of the tower are 60° and 30° respectively. What is the height of the tower?
  - (A) 20 metre
- (B) 30 metre
- (C) 40 metre
- (D) 50 metre
- Direction 58 and 59: A, B, C, D, E and F are 6 members of a family. There are two married couples in the family. F is grand daughter of E. D is the grand mother of A. C is mother of F and wife of B. B's mother is D.
- How many males are there in the family? 58.
  - (A) 4

- **(B)** 3
- (C) 2
- (D) Cannot be find
- 59. What is C's relation with A?
  - (A) Mother
- (B) Grand mother
- (C) Daughter
- (D) Cannot be find
- A's income is 20% more than that of B. By how much 60. percent is B's income is less than that of A?

- 61. Who gave the 'Inquilab Zindabad' slogan?
  - (A) Iqbal
- (B) M.K. Gandhi
- (C) Bhagat Singh
- (D) S.C. Bose
- 62. The 7th Intergovernmental Consultations between India and Germany were co-chaired by which Indian leader?
  - (A) Narendra Modi
- (B) Amit Shah
- (C) Droupadi Murmu
- (D) S. Jaishankar
- 63. What is the value of  $1^3 + 2^3 + .... + 6^3$ ?
  - (A) 361
- (B) 441
- (C) 681
- (D) 741
- 64. The Gurumukhi script was introduced by
  - (A) Guru Amardas
- (B) Guru Ramdas
- (C) Guru Angad
- (D) Guru Nanak
- 65. Select the correct combination of mathematical signs to replace \* signs and to balance the given equation. 8 \* 6 \* 96 \* 2 = 0
  - (A) × ÷ -
- (C) × ÷
- Which of the following games is Davis Cup 66. associated with?
  - (A) Volley ball
- (B) Badminton
- (C) Tennis
- (D) Handball
- 67. What is the Highest Common Factor of 16.5, 0.45 and 15?
  - (A) 0.5
- (B) 0.15
- (C) 0.3
- (D) 1
- Direction 68 and 69: Four different groups have been represented by four different figures. Rectangle represents female members, circle represents



employees, triangle represents businessman and big triangle represents postgraduates. Based on this information, answer the questions given below.



- 68. Who among the following are businessman but are neither post graduates nor employees?
  - (A) b, d, g
- (B) a, d, h
- (C) c, d
- (D) b, e
- 69. Which of the following group of employees represents those employees, who are not businessman?
  - (A) e, g, h
- (B) a, g, h
- (C) b, g, e
- (D) a, e, g, h
- 70. The Indian Parliament consists of
  - (A) Lok Sabha only
  - (B) Lok Sabha and the President
  - (C) Rajya Sabha and Lok Sabha
  - (D) The President, Rajya Sabha and Lok Sabha
- 71. ₹ 7500 is borrowed at compound interest at the rate of 4% per annum. What will be the amount to be paid after 2 years?
  - (A) 8214
- (B) 8216
- (C) 8112
- (D) 8314
- 72. Who were the first Europeans to set up sea trade centres in India?
  - (A) The English
- (B) The French
- (C) The Portuguese
- (D) The Dutch
- 73. In the following question, based on the given statement which of the following argument(s) is/are

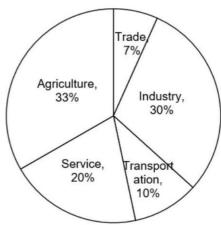
Statement: Should little children be loaded with such heavy school bags?

Arguments: I. Yes, a heavy bag means more knowledge.

II. No, heavy school bag spoil the body posture of the children.

- (A) If only I is strong
- (B) If only II is strong
- (C) Both I and II are strong
- (D) Neither I nor II is strong
- Direction 74 to 76: Study the following pie-chart carefully and answer these questions. The pie-chart represents the percentage of people involved in various occupations.

Total number of people = 20000



- 74. How many more people are involved in service than trade?
  - (A) 3660
- (B) 2600
- (C) 1660
- (D) 660
- What is the angle (in degree) made by people 75. involved in service?
  - (A)  $36^{\circ}$
- (B) 90°
- (C) 72°
- (D) 108°
- What is the ratio of the people involved in service to 76. that of industry?
  - (A) 1:2
- (B) 2:3
- (C) 3:4
- (D) 3:2
- 77. Who of the following was a contemporary of Ghiyas Khan?
  - (A) Mahmud Ghazanvi
  - (B) Iltutmish
  - (C) Alauddin Khalji
  - (D) Mohammad-bin-Tughlaq
- 78. In the following question, based on the given statement which of the following assumption(s) is/are

Statements: 'A' computer, the largest selling name with largest range, an advertisement.

Assumptions: I. 'A' computer is the only one with the wide variations.

II. There is a demand for computers in the market.

- (A) If only I is implicit
- (B) If only II is implicit
- (C) Both I and II are implicit
- (D) Neither I nor II implicit
- 79. The area of the equilateral triangle is  $4\sqrt{3}$  sq. cm. What is the length of the side of the triangle?
  - (A)  $2\sqrt{3}$  cm
- (B) 4 cm
- (C) 3 cm
- (**D**)  $2\sqrt{2}$  cm
- 80. Who was the last ruler of the Tughlag dynasty of the Delhi Sultanate?
  - (A) Firoz Shah Tughlaq
  - (B) Ghiyasuddin Tughlaq II
  - (C) Mahmud Shah Tughlaq
  - (D) Nasarat Shah
- 81. Who discovered the polio vaccine?
  - (A) Louis Pasteur
- (B) Konrad Zuse
- (C) Eli Whitney
- (D) Jonas Salk





82. In the following question, based on the given (A) 25% (B) 20% statement which of the following assumption(s) is/are (C) 17.5% (D) 15% implicit. Statements: Who rises from the prayer a better man, 92. India's longest Electrified Railway Tunnel will be built his prayer is answered. in which state? Assumptions: I. Prayer makes a man more human (A) Himachal Pradesh (B) Assam (D) Andhra Pradesh II. Prayer atones all of our misdeeds. (C) Uttarakhand (A) If only I is implicit (B) If only II is implicit 93. Which team had won the CONCACAF Gold cup (C) Both I and II are implicit 2019? (D) Neither I nor II implicit (A) Canada (B) Mexico (C) USA (D) Columbia 83. Who is the Chairman of the Rajya Sabha? (A) The President (B) The Vice-President 94. Files deleted from the hard disk are sent to the (C) The Prime Minister (D) The Speaker (A) Recycle Bin (B) Floppy disk 84. A sum of ₹ 782 has been divided between P, Q and R (C) Clipboard (D) Motherboard in the ratio of 6:8:9. What is the share of R? (B) 30595. India's rank in the first Global Nature Conservation (A) 153 (C)453(D) 306 Index, 2024, among 180 countries, is: (A) 152 (B) 187 85. Function of hemoglobin is (C) 103(D) 176 (A) To transport oxygen (B) Destruction of bacteria 96. Which stadium has been renamed "Rani's Girls Hockey Turf" in honor of the retired Indian women's (C) To check the loss of blood (D) None of these hockey captain Rani Rampal? (A) Raebareli Stadium (B) MCF Stadium (C) Kalinga Stadium 86. The Dilwara Temple is located at (D) Ekana Stadium (A) Bhubaneswar (B) Aurangabad 97. Who certifies a Bill as Money Bill? (C) Khajuraho (D) Mount Abu (A) Speaker (B) Finance Minister What is the unit digit of (6817)4434? 87. (C) Finance Secretary (D) President (A) 8 (B)4What is the name of the new category introduced (C) 2 (D) 998. under the Pradhan Mantri Mudra Yojana (PMMY) for highest 88. Which loans above Rs 10 lakh up to Rs 20 lakh? among the following have electronegative? (A) Beema Plus (B) Kishore Plus (A) CI (B) F (C) Tarun Plus (D) Mudra Plus (D) P (C) O 99. Where is the headquarters of North-East Frontier Which of the following blood group is universal donor 89. Railway? (A) Maligaon (B) Kolkata (A) B (B) O (C) Dispur (D) Tejpur (C) A (**D**) AB What is the objective of 'SAUBHAGYA' scheme 100. 90. The most famous educational centre during the launched in Manipur? period of Mauryan period was (A) Jobs for youth (B) Nalanda (A) Vaishali (B) Electrification (C) Taxila (C) Free Wi-Fi to all station (D) Ujjain (D) Education to all 91. At what rate of annual simple interest, a certain sum

will amount to four times in 15 years?



|            | ne:   |        | _      |            | L | 1  |  | L              |   |                          |   | L          |                      |      |               | _                            |          |                     | Ш                      | _                | 1          | 1 | Ţ    | <u>_</u> |       |      | Ţ  | Ţ   |
|------------|---|--------|--------|------------|---|--|--|----------------|---|--------------------------|---|------------|----------------------|------|---------------|------------------------------|----------|---------------------|------------------------|------------------|------------|---|------|----------|-------|------|----|-----|
| Mol        | bile:   | L      |        |            |   |  |  |                |   |                          |   |            | Ph N                 | o:   |               |                              | _        |                     |                        |                  |            |   |      | _        |       |      |    |     |
| Sub        | oject   |        |        |            |   |  |  |                |   |                          |   |            |                      |      | Date of Exam: |                              |          |                     |                        |                  |            |   |      |          |       |      |    |     |
|            | ROLL  | NO.    |        |            |   | - 1  | мовіі  | LE N           | UMBI  | ER                       |   |            |                      |      | mpo           | rtant I                      | ns       | truc                | tions                  |                  |            |   |      |          |       |      |    |     |
| 1234567890 | 1 1 2 2 3 3 3 4 4 5 5 6 6 6 7 7 8 8 8 9 9 9 0 0 0 | 456789 | 456789 | 1234567890 |   | 11 (12 (23 (33 (44 (44 (45 (45 (45 (45 (45 (45 (45 (45 | \( \text{3} \) \( \text{4} \) \( \text{6} \) \( \text{8} \) \( \text{9} \) \( \text{7} \) \( \text{8} \) \( \text{9} \) \( \text{7} \) \( \text{8} \) \( \text{9} \) \( \text{7} \) \( \text{8} \) \( \text{9} \) \( \text{7} \) \( \text{8} \) \( \text{9} \) \( \text{7} \) \( \text{8} \) \( \text{9} \) \( \text{7} \) \( \text{8} \) \( \text{9} \) \( \text{7} \) \( \text{9} \) \( \te | <b>4 6 7 8</b> | 3 3<br>4 4<br>5 5<br>6 6<br>7 8<br>8<br>9 9 | 2 (3 (4 (5 (6 (7 (8 (9 ( | 1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 | 1234567890 | • Ma • Ro • Ma • Ple | A B  | ould be       | dark and st not be only in t | do<br>he | completine on space | tely fill the the answ | ne circlever she | e.<br>eet. |   |      |          |       |      |    |     |
| 1          | A   | B      | C      | D          |   | 21   | A  | B              | C   | D                        |   | 41         | A                    | B    | C             | D                            |          | 61                  | A                      | B                | C          | D |      | 81       | A     | B    | 0  | D   |
| 2          | A   | B      | C      | D          |   | 22   | A  | B              | C   | D                        |   | 42         | A                    | B    | C             | D                            |          | 62                  | A                      | B                | C          | D | 1    | 82       | A     | B    | C  | D   |
| 3          | A   | B      | C      | D          |   | 23   | A  | B              | C   | D                        |   | 43         | A                    | B    | C             | D                            |          | 63                  | A                      | B                | C          | 0 |      | 83       | A     | B    | C  | D   |
| 4          | A   | B      | C      | D          |   | 24   | A  | B              | C   | D                        |   | 44         | A                    | B    | C             | D                            |          | 64                  | A                      | B                | C          | 0 |      | 84       | A     | B    | C  | D   |
| 5          | A   | B      | C      | D          |   | 25   | A  | B              | C   | D                        |   | 45         | A                    | B    | C             | D                            |          | 65                  | A                      | B                | C          | D |      | 85       | A     | B    | C  | D   |
| 6          | A   | B      | C      | 0          |   | 26   | A  | B              | C   | D                        |   | 46         | A                    | B    | C             | 0                            |          | 66                  | A                      | B                | C          | D | 1    | 86       | A     | B    | 0  | 0   |
| 7          | A   | B      | C      | D          |   | 27   | A  | B              | C   | D                        |   | 47         | A                    | B    | C             | D                            |          | 67                  | A                      | 3                | C          | 0 |      | 87       | A     | B    | C  | 0   |
| 8          | A   | B      | 0      | <b>D</b>   | Ш | 28   | A  | B              | C   | D                        |   | 48         | A                    | B    | C             | D                            |          | 68                  | A                      | B                | C          | D |      | 88       | A     | B    | C  | 0   |
| 9          | A   | B      | C      | D          | Ш | 29   | A  | B              | C   | D                        | Ц   | 49         | A                    | B    |               |                              | . 1      | 69                  | A                      | B                | C          | D |      | 89       | A     | B    | C  | (D) |
| 10         | A   | B      | 0      | (D)        | Ц | 30   | A  | B              | 0   | 0                        | П   | 50         | A                    | B    |               | FIX                          | r        | 10000               |                        |                  |            |   |      |          |       |      |    |     |
| 11         | A   | B      | 0      | 0          | П | 31   | A  | B              | 0   | 0                        |   | 51         | A                    | B    | ,             |                              |          |                     |                        |                  |            |   |      |          |       |      |    |     |
| 12         | A   | B      | 0      | 0          | Ц | 32   | A  | B              | 0   | 0                        |   | 52         | A                    | B    |               |                              |          |                     |                        |                  |            |   |      |          |       | _    | _  | _   |
| 13         | A   | B      | 0      | 0          | П | 33   | A  | B              | 0   | 0                        | P   | 53         | A                    |      |               | _                            |          | -                   |                        |                  |            |   |      |          |       | _    | _  | _   |
| 14         | A   | B      | 0      | 0          |   | 34   | A  | B              | 0   | 0                        |   | 54<br>55   | A                    | B    |               |                              |          |                     |                        |                  |            |   |      |          |       |      |    |     |
| 16         | (A)   | (B)    | 0      | 0          |   | 36   | A  | В              | 0   | 0                        |   | 56         | (A)                  | B    |               |                              |          |                     | _                      |                  |            | _ |      |          | _     | _    | _  |     |
| 17         | (A)   | B      | 0      | (D)        |   | 37   | A  | B              | 0   | 0                        |   | 57         | (A)                  | B    |               |                              |          |                     |                        |                  |            |   |      |          |       |      |    |     |
| 18         | A   | B      | 0      | 0          |   | 38   | A  | B              | 0   | 0                        |   | 58         | (A)                  | B    |               |                              |          |                     |                        |                  |            |   |      |          |       |      |    |     |
| 19         | A   | B      | 0      | 0          |   | 39   | A  | В              | 0   | 0                        |   | 59         | A                    | B    |               |                              |          |                     |                        |                  |            |   |      |          |       |      |    |     |
| 20         | A   | B      | 0      | 0          |   | 40   | A  | B              | 0   | <b>D</b>                 |   | 60         | A                    | B    |               |                              |          | 80                  | _                      |                  |            |   |      | 100      |       |      |    |     |
| Cor        | rect  |        |        |            |   | Cor  | rect   |                |   |                          |   | Cor        | rrect                |      |               |                              |          | Cor                 | rect                   |                  |            |   |      | Corr     | ect   |      |    |     |
| Inco       | orrect  |        |        |            |   | Inco   | orrect   |                |   |                          |   | Inc        | orrect               |      |               |                              |          | Inc                 | orrect                 |                  |            |   |      | Inco     | rrect |      |    |     |
| Mar        | ks  |        |        |            |   | Mar  | ks   |                |   |                          |   | Mai        | rks                  |      |               |                              | Marks    |                     |                        |                  |            |   | Mark | ks       |       |      |    |     |
| S          | tudent  | 's Si  | gnat   | ure        |   |  | Maxir  | num            | Mark  | s                        |   |            | Mark                 | s Ob | taine         | d                            |          |                     | Ma                     | rks i            | n %        |   |      |          | R     | emar | ks |     |
|            |   |        |        |            |   |  |  |                |   |                          |   |            |                      |      |               |                              |          |                     |                        |                  |            |   |      |          |       |      |    |     |

