

# NTSE PATTERN PART TEST -01 (NPT-01)

## CLASS –IX PHASE - I

### MENTAL APTITUDE TEST (MAT)

Time : 2 Hrs.

Max. Marks : 100

#### GENERAL INSTRUCTIONS

1. The booklet given in the examination hall is the Question Paper.
2. A student has to write his/her answers in the OMR sheet by darkening the appropriate bubble with the help of HB Pencil as the correct answer(s) of the question attempted.
3. **The question paper contains 100 questions. Each carries one mark.**
4. Blank papers, clip boards, log tables, slide rule, calculators, mobile or any other electronic gadgets in any form is not allowed.
5. Write your **Name & Roll No.** in the space provided in the bottom of this booklet.
6. **There is no negative marking.** Do not spend too much time on a particular question.
7. Before answering the paper, fill up the required details in the blank space provided in the answer sheet.
8. In case of any dispute, the answer sheet available with the institute shall be final.

NAME OF THE CANDIDATE : .....ROLL NO. : .....

I have read all the instructions  
and shall abide by them

I have verified the identity, name and roll number  
of the candidate.

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Signature of the Candidate

-----  
Signature of the Invigilator

#### PCCP Head Office :

**Address :** Plot No. A-51 [A], IPIA, Near Resonance CG Tower,  
Behind City Mall, Jhalawar Road, Kota (Rajasthan)-324005

**Contact. No. :** 0744-6635569, 2777769 ; Fax : 0744-2427146

Website : [www.pccp.resonance.ac.in](http://www.pccp.resonance.ac.in) E-mail : [pccp@resonance.ac.in](mailto:pccp@resonance.ac.in)

# MENTAL ABILITY TEST (MAT)

## ***Straight Objective***

This section contains 100 questions. Each question has 4 choices (A), (B), (C) and (D) for its answer, out of which **ONLY ONE** is correct.

- Which letter is exactly in the middle of the 20<sup>th</sup> letter from the right and 11<sup>th</sup> letter from left?  
(A) I (B) J (C) H (D) O
- If the second half of the following alphabets is arranged in the reverse order, which letter will be 9<sup>th</sup> letter to the right of the 9<sup>th</sup> letter counting from the left end?  
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z  
(A) I (B) F (C) V (D) W
- If **HERCULES** is coded as **JCTAWJGQ**, then what is the code for **APHORDITE** ?  
(A) CNMJTBKRG (B) CNJMTBKSG (C) CNJMTBKRG (D) CNJMTCKRG
- In a class of students, Ravi occupies 5<sup>th</sup> position from the top and 25<sup>th</sup> from the bottom in a test. How many students are there in the class?  
(A) 30 (B) 28 (C) 29 (D) 25
- Arjun ranks 17<sup>th</sup> in the class of 31 students. What is his rank from the last?  
(A) 16<sup>th</sup> (B) 15<sup>th</sup> (C) 14<sup>th</sup> (D) 17<sup>th</sup>
- If TEARS is coded as VWXYZ, then how would you code BEAS in that language?  
(A) YWXZ (B) VWXZ (C) MWXZ (D) WVZY.
- Amit is ranked 12<sup>th</sup> from the top and Ravi is ranked 15<sup>th</sup> from the bottom in a class of 35 students. How many students are there between Amit and Ravi?  
(A) 8 (B) 9 (C) 6 (D) 7
- If the alphabets are written in the reverse order and every alternate letter starting with Y is dropped, which letter will be exactly in the middle in the remaining letters of alphabets?  
(A) M (B) O (C) M or O (D) N
- If LBAEHC is the code for BLEACH, then which of the following is coded as NBOLZKMH?  
(A) OBNKZLHM (B) LOBNHMKZ (C) OCPMALNI (D) BNLOKZHM
- How many 4's immediately preceded by 5 but not immediately followed by 7, are there in the following series of the number?  
5 4 8 7 4 9 5 4 7 7 4 5 5 4 6 5 4 7 5 4 7 3 2 4 7  
(A) 2 (B) 3 (C) 4 (D) 5
- Which one word can be formed from the letters of the word 'REVERENCE' ?  
(A) NEAR (B) SEER (C) PEER (D) NEVER
- If in any code language, **KUMAR** is coded on **LVNBS**, How is **EMOTIONAL** coded in that language  
(A) FNQUJQBM (B) FNPUJPOBM (C) GNPUJPOBM (D) GNQUJQOBM

**Direction for Q. No 13 to 14 :** Answer the questions given below on the basis of the letter – number sequence given below:

E K M 3 P 5 7 R T V Z 9 D I F Q X 4 6 G H I 2 8 W

- Which of the following letter – number will be 7<sup>th</sup> to the left of the 16<sup>th</sup> letter – number from the left end.  
(A) W (B) T  
(C) J (D) There is not such letter/ number in the above sequence

14. If the first twelve letters/numbers in the given sequence are written in the reverse order, which of the following will be 8<sup>th</sup> to the left of the 13<sup>th</sup> letter/number from the right end?  
(A) 3 (B) T (C) R (D) P
15. If PORTER is written as QNSSFQ, then BRIGHT would be coded as.  
(A) CQJFIS (B) CNJHIS (C) CQJFGS (D) CNJHIU
16. In the following number series, how many times an odd number is followed by two consecutive even numbers?  
4 2 3 2 5 4 2 5 3 2 6 4 3 5 7 2 8 6 7 9 4 5 4 2 9 6 1 3 2  
(A) 4 (B) more than 4 (C) 2 (D) 3
17. How many 7s are there in the following series, which are immediately preceded by 5 but not immediately followed by 4?  
6 5 7 2 3 5 7 1 2 5 7 3 4 3 5 6 5 4 5 7 6 5 7 4 5 7  
(A) 2 (B) 3 (C) 4 (D) None of these
18. If in any code language **VOYAGE** is coded as **FIBAPX** how is **CROWN** coded in that language  
(A) OXPTD (B) DTPYO (C) OYPTD (D) DTPXO
19. How many 9s are there in the following number series, which are immediately preceded by 3 and followed by 6?  
3 9 6 9 3 9 3 9 3 9 6 3 6 3 9 5 6 9 5 6 9 3 9 6 3 9  
(A) Nil (B) 3 (C) 2 (D) 4
20. How many sets of two letters have as many letters between them as in the alphabetical order in the word 'ARISTOCRAT'?"  
(A) 1 (B) 2 (C) 3 (D) 4

**Directions for Q. No. 21 to 23 :** In the word 'ELECTROCARDIOGRAPH' the first half of the letters are reversed, then the letter P of this word is prefixed and letter 'S' is suffixed.

21. Which letter will be exactly in the middle?  
(A) L (B) R (C) D (D) E
22. How many vowels will be to the left of the middle letter?  
(A) 2 (B) 1 (C) 4 (D) 3
23. Which of two vowels will be adjoining each other.  
(A) IE (B) IO (C) AE (D) AO
24. Which of the following words will come at second position if all the words are arranged alphabetically?  
(A) Arrangement (B) Arrest (C) Arrears (D) Arrival
25. If first half of the alphabets is written in the reverse order, which letter would be 3<sup>rd</sup> to the right of 10<sup>th</sup> letter from the left?  
(A) F (B) H (C) B (D) A
26. If the following words are arranged in the alphabetical order, which word will appear at the end?  
(A) Olympic (B) Olympia (C) Oval (D) Ovulet
27. If it is possible to form a word with 1<sup>st</sup>, 4<sup>th</sup>, 7<sup>th</sup> and 11<sup>th</sup> letters of the word 'SUPERFLUOUS', write the first letter of that word. Otherwise, X is the answer.  
(A) S (B) L (C) O (D) X
28. If FESTIVAL is coded as MBWJUTFG then OPIUM would be coded as.  
(A) NOHTL (B) NTHNO (C) NVJQP (D) MUIPO
29. How many 8s are there in the following number series which are exactly divisible by their immediately preceding number and also exactly divisible by immediately succeeding number?  
8 2 4 5 1 7 2 8 4 8 4 2 2 8 2 6 9 8 4 5 4 8 3 2 8 4 3 1 8 3  
(A) 1 (B) 2 (C) 3 (D) 4

30. A meaningful word is made if we take 1<sup>st</sup>, 4<sup>th</sup>, 5<sup>th</sup>, 7<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup> and 12<sup>th</sup> letters of the word 'FELICITATIONS', Which of the following will be the 5<sup>th</sup> letter of that word from the right end of the new word?  
 (A) T (B) C (C) N (D) I
31. If 6 is coded as T, 8 is coded as I, 3 is coded as N, 9 is coded as Q, 2 is coded as Y, 5 is coded as D and 7 is coded as R, then what is the coded form of DRINTQ?  
 (A) 573869 (B) 578396 (C) 576839 (D) None of these
32. If DMPUIFT is FYIBVTU and UISJDF is TUBCMF, then TIJSU is.  
 (A) CMVTI (B) TUBVM (C) UIVMF (D) CMBTI
33. If the following words are arranged in the alphabetical order, which word will appear at second position.  
 (A) Principal (B) Principle (C) Principia (D) Principled
34. If SYSTEM is coded as 131625, then TERMS may be coded as.  
 (A) 62251 (B) 62451 (C) 64251 (D) 62415
35. If PICTURE is coded as tuvwxzy, then PATCH would be coded as.  
 (A) wtzyv (B) twxyz (C) tqwvm (D) mtuvw
36. Arrange the following words in the alphabetical order and choose the word that comes exactly at the third position.  
 (A) Prominent (B) Prohibition (C) Programme (D) Protracted
37. If ROSE is coded as 6821, CHAIR is coded as 73456 and PREACH is coded as 961473, what will be the code for SEARCH?  
 (A) 246173 (B) 214673 (C) 21463 (D) 216473
38. In a certain code language **TEACHER** is written as **VGCEJGT**. How is **CHILDREN** written in that code ?  
 (A) EJKNFGTO (B) EJKNEGTP (C) EJKNFHTP (D) EJKNFTGP
39. If FLARE is coded as 21,15,26,9,22, how would BREIF be coded in the same language?  
 (A) 25,9,22,21,18 (B) 5,37,11,19,13 (C) 13,19,11,37,5 (D) 25,9,22,18,21
40. In a code language if SUGAR is coded as PKLTN and TEA is coded as QGT, how would you code GREAT in the same code language?  
 (A) ENGTP (B) LNGTK (C) LNGTQ (D) LNGQT
41. In a certain code, RIPPLE is written as 613382 and LIFE is written as 8192. How is PILLER written in that code?  
 (A) 318826 (B) 318286 (C) 618826 (D) 328816
42. If TEMPLE is coded as VHQURL, how would you code CHURCH?  
 (A) EKYWIO (B) EKWIO (C) EKYWIN (D) EKYWJO
43. In a certain code, INSTITUTION is written as NOITUTITSNI, How is PERFECTION written in that code?  
 (A) NOICTEFREP (B) NOITCEFERP (C) NOITCEFRPE (D) NOITCEFREP
44. In certain code, GOODNESS is coded as HNPCODTR. How is GREATNESS coded in that code?  
 (A) HQFZUODTR (B) HQFZUMFRT (C) HQFZSMFRT (D) FSDBSODTR
45. If ACNE is coded as 3,7,29,11, then BOIL, will be coded as.  
 (A) 5,31,21,25 (B) 5,31,19,25 (C) 5,29,19,25 (D) 5,29,19,27
46. If in any code language **CLERK** is coded as **AHYJA** how is **JOB** coded in that language -  
 (A) HKW (B) HKV (C) HKU (D) None
47. If in a certain code **MANISH** is written as **NZMRHS**, then how will **RANJITA** be written in the same code ?  
 (A) IZMQRGZ (B) IZMPRGZ (C) IZMQRHZ (D) IZMQRIZ

48. In a coded language 'NUMBER' is written as 'PSOZGP'. Then in the same coded language 'BLOOD' will be written as ?  
(A) ZJMMB (B) ZNMQB (C) DJQMF (D) DNQQF
49. If the code for **ALLOWANCE** is **ZMKPVBMDD** the word **DEARNESS** would be coded as  
(A) CFBAODTR (B) EDZQMFRT (C) CDZTMFTR (D) CFZSMFRT
50. In a code language if POSE is coded as OQNPRTDF, then the word TYPE will be coded as.  
(A) SUXZOQFD (B) SUXZQOFD (C) SUXZOQDF (D) SUXZQODE
51. If the following series is written in reverse order, then which will be 12th letter to the left of 10th letter from your right?  
A B C D E F G H I J K L M N O P Q R S T U V W X Y Z  
(A) X (B) U (C) V (D) W
52. If the first and 11th letters of the word 'DISTURBANCE' were interchanged, also the second and 10th letters and so on, which would be the 7th letter from your right.  
(A) R (B) B (C) A (D) U
53. In a certain code language **CAR = 19** and **TRUCK = 68** then what will be the code for **TAXI** ?  
(A) 60 (B) 63 (C) 50 (D) 56
54. From the given alternatives find the word which cannot be formed by using the letter of the given word EXPERIENCE  
(A) EXPIRE (B) RIPEN (C) EXPERT (D) PRINCE
55. How many pairs of letters in the word "CABBLE" have as many letters between them in the word as in the alphabets ?  
(A) Nil (B) Two (C) Three (D) Four
56. If FEED is coded as 47 and TREE is coded as 91, then MEET will be coded as  
(A) 110 (B) 114 (C) 118 (D) 122
57. Number of letters skipped in between adjacent letters in the series are multiples of three. Which of the following series observes this rule ?  
(A) AELMZ (B) GKOTZ (C) DHLPT (D) DHLPU

**Directions : (58) Arrange the following group such that when arranged in a specific order, meaningful word is formed.**

58. **T L E M N A**  
**1 2 3 4 5 6**  
(A) 2,6,4,5,3,1 (B) 3,2,4,6,5,1 (C) 4,3,5,1,6,2 (D) 5,3,2,4,6,1
59. If **MERCHANT** is **NDSBIZOS**, then **CANCER** is  
(A) BZMBDQ (B) BBMBDQ (C) DBODFS (D) DZOBFQ
60. How many pairs of letters are there in the word, '**CONCLUSION**' which have as many letters between them in the word as in alphabet series ?  
(A) two (B) Three (C) Five (D) More than five
61. If the alphabet series is written in the reverse order, which letter will be 12th to the left of the 16th letter from your left?  
(A) X (B) W (C) D (D) V
62. In a certain code **HEATER** is written as **KBDQHO** how will you encode **COOLER** ?  
(A) ALRIHV (B) FLRIHO (C) FLIRHO (D) None of these
63. If **DANGER** is coded as **GENDAR** then **MOTION** will be coded as  
(A) IOTMON (B) IOTMNO (C) IONTON (D) IOTMNO

64. Which letter should be ninth letter to the left of ninth letter from the right, if the first half of the alphabet series is reversed and second half is as it is.  
 (A) D (B) E (C) F (D) I
65. If  
 NDH = 7  
 PIX = 6  
 YYY = 5  
 Then what is the value of JDH?  
 (A) 1 (B) 4 (C) 5 (D) 8

**Directions : (66 to 67) arrange the given words in alphabetical order and tick the one that comes first :**

66. (A) Grammar (B) Granary (C) Gradient (D) Grand
67. (A) Mahender (B) Mahendra (C) Maninder (D) Mahindra
68. If **DEAR** is coded as **7** and **BEARS** as **9**, what should be the code for **WAX** ?  
 (A) 10 (B) 12 (C) 16 (D) 10
69. If the following scrambled letters are rearranged to form the name of a city, the city so formed is famous for its.  
**ABGLNRUUE**  
 (A) Locks (B) Steel Plant (C) Gardens (D) Pottery

**Directions : (70) Answer the following questions based on the letter number sequence given below**  
 B3KG5PD79ERK1MT6ZHQ8W2A

70. Which of the following is exactly in the middle between the ninth letter/number from the left end and seventh letter/number from the right end ?  
 (A) 1 (B) M (C) J (D) R
71. Number of letters skipped in between adjacent letters in the series decreases by two. Which of the following series observes this rule?  
 (A) EPVAF (B) GPWBE (C) UCJOP (D) XFMQU
72. If **TOWER** is coded as **81**, what will be the code number for **POWER** ?  
 (A) 75 (B) 55 (C) 18 (D) 77
73. Find which one word can not be made from the letters of the given word.  
**SUPERIMPOSABLE**  
 (A) SPIRE (B) REPTILE (C) POSSIBLE (D) SUPERPOSE
74. How many pairs of letters in the word **BRIGHTER** have as many letters between them in the word as in the alphabet series ?  
 (A) 2 (B) 3 (C) 4 (D) more than 4
75. How many such letters are there in the word 'CREATIVE', which have as many letters between them in the word as in the alphabet series ?  
 (A) 1 (B) 3 (C) 2 (D) 4
76. If the alphabet series is written in a reverse order, which of the following will be the seventh letter to the left of eighth letter from your right ?  
 (A) L (B) M (C) O (D) P
77. If the first four letters of the word 'ANTHROPOMORPHISM' are rewritten in the reverse order followed by the next four rewritten in the reverse order followed by the next four letters in the reverse order and so on, which letter will be twelfth from the left end in the rewritten order ?  
 (A) O (B) H (C) M (D) P

78. If **CAR** is **22**, **SCOOTER** = ?  
(A) 33 (B) 44 (C) 11 (D) 95
79. How many pairs of letter in the word **DABBLE** have as many letters between them as in the Alphabet series ?  
(A) Nil (B) One (C) Two (D) More than three
80. Arrange the following group of letters such that when arranged in a specific order, meaningful word is formed.  
**V A H Y E**  
**1 2 3 4 5**  
(A) 2, 3, 4, 5, 1 (B) 3, 2, 5, 1, 4 (C) 3, 5, 2, 1, 4 (D) 1, 5, 2, 3, 4
81. In a certain code 'STREAM' is written as 'QSRNBF' and 'SUPERB' is written as 'OTRCSF'. How is 'BORING' written in that code:  
(A) QNAHOJ (B) CPSJOH (C) QNAOHJ (D) ANQJOH
82. In a certain code, 'GROWTH' is written as 'HQPVUG' & 'FOUR', is written as 'GNVQ'. How is 'PROBLEMS' written in that code?  
(A) OQPAMDNR (B) QQNCMDNR (C) QQPAKDNR (D) QQPAMDNR

**Directions: (83)** In each of the following questions, a group of letters is given which are numbered 1, 2, 3, 4, 5 and 6. Below are given four alternatives containing combinations of these numbers. Select that combination of numbers so that letters arranged accordingly, form a meaningful word.

83. **R A C E T**  
**1 2 3 4 5**  
(A) 1, 2, 3, 4, 5 (B) 3, 2, 1, 4, 5 (C) 5, 2, 3, 4, 1 (D) 5, 1, 2, 3, 4
84. In a certain code language 'COMPUTRONE' is written as 'PMOCTUENOR'. How is 'ADVANTAGES' written in that code:  
(A) AVDATASEGN (B) NAVDASEGAT (C) AVDATNSEGA (D) SEGATNAVAD
85. In a certain code, 'FORGET' is written as 'DPPHCU'. How would 'DOCTOR' be written in that code:  
(A) BPAUMS (B) BPAUPS (C) EMDRPP (D) BPARPP
86. If the positions of the first and sixth letters of the word **BENEFICIAL** are interchanged; similarly the positions of the second and seventh letters are interchanged and so on, which letter will be third from the right end after rearrangement?  
(A) C (B) E (C) F (D) N
87. If **PAPER** is **11.20**, **PENCIL** is **9.83**, what will be the **PEN** ?  
(A) 12.80 (B) 11.66 (C) 10.66 (D) 13.8
88. In a certain code, 'JEALOUS' is written as 'BFKKTVP'. How is 'HEARTEN' written in that code:  
(A) OFUQBFI (B) BFIQOFU (C) BFIQUFO (D) UFOQIBF
89. If MEDICO is coded as PBGFFL, then DOCTOR will be coded as:  
(A) GLFQRO (B) GLFQLR (C) GLFQLS (D) GRFWLQ
90. If **DEER** is to **9554** and **TOSS** is to **1162** then **PARK** is to :  
(A) 2917 (B) 7192 (C) 1917 (D) 1291
91. If SCIENCE is coded as UFMJTM, then GENE will be coded as:  
(A) HGQI (B) IHRJ (C) IHRI (D) IHSJ
92. If OLYMPICS is coded as PMZNOHBR, and JUMP is coded as KVLO, then COMPUTER will be coded as:  
(A) DPNQVUFS (B) DPNQTSFQ (C) DPNQTSQ (D) BNLOTSQ
93. In a certain code, **9** is coded as **C**, **0** as **B**, **5** as **E**, **7** as **A**, and **3** as **L**. How is **97035** coded in that code ?  
(A) LEBAC (B) CEBLA (C) BACLE (D) CABLE

94. If ZUBIN is coded as ATCHO, then MEHTA will be coded as:  
 (A) NDIUB (B) NDISB (C) NDGSB (D) NDHSI
95. If HINDU is coded as 61257, and MAN is coded as 924, then INDIRA will be coded as:  
 (A) 454626 (B) 594921 (C) 452787 (D) 884572
96. If In a certain language **A** is coded as **1**, **B** is coded as **2**, and so on how is **BIDDIC** coded in that code ?  
 (A) 294493 (B) 284563 (C) 375582 (D) 394492
97. If EQOKYO stands for DOLLAR, and QQXMBP stands for POUNDS, then the code for MARK will be:  
 (A) NCUO (B) NCUJ (C) NCQI (D) NCPH
98. In a certain code MONKEY is written as XDJMNL. How would TIGER be written in that code :  
 (A) QDF HS (B) SHFDQ (C) UJHFS (D) QDHJS
99. If BELIEF is written as AFKKDI, How is SELDOM written in that code :  
 (A) TFKENP (B) RFKFN (C) RFKNN (D) RDKCNL
100. If DIAMOND is coded as VQYMKLV, how is FEMALE coded :  
 (A) TUMYNU (B) UVNZOV (C) UVNYNV (D) TVNYNV



**Space for Rough Work**

## HINTS & SOLUTIONS

# MAT ANSWER-KEY

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

1.     A B C D E F **G** H I J **K** L M N O P Q R S T U V W X Y Z  
              ↓                  ↓  
            20th            11th

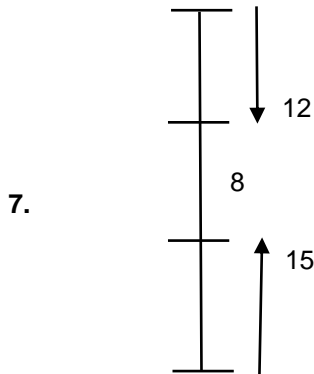
- 2.**      A B C D E F G H I J K L M Z Y X W V U T S R Q P O N  
                       ↓                          ↓  
                       9th                          9th

3.      H E R C U L E S                      A P H O R D I T E  
          +2 -2 +2 -2 +2 -2 +2 -2        +2 -2 +2 -2 +2 -2 +2 -2  
          J C T A W J G Q                    C N J M T B K R G

- 4.
- 
- 25
- 5
- Ravi
- Total = Top + Bottom -
- $= 5 + 25 - 1$
- $= 29$

5. Total = Top + bottom - 1  
 $31 = 17 + B - 1 \Rightarrow B = 31 - 16 = 15$

6. T E A R S                      B E A S  
 ↓ ↓ ↓ ↓ ↓                      ↓ ↓ ↓ ↓  
 V W X Y Z                      M W X Z



8. ZXVTRPNLJHFDB

9.

10. 5 4 8 7 4 9 5 4 7 7 4 5 5 4 6 5 4 7 5 4 7 3 2 4 7

15. P O R T E R                      B R I G H T  
 ↓ ↓ ↓ ↓ ↓                      ↓ ↓ ↓ ↓ ↓  
 +1 -1 +1 -1 +1 -1                      +1 -1 +1 -1 +1 -1  
 Q N S S F Q                      C Q J F I S

20. A R I S T O C R A T  
 ST, RT, AC

(21 to 23)  
 PACORTCELERDIOGRAPHS

27. S U P E R F L U O U S  
 ↓                      ↓                      ↓                      ↓  
 1st                      4th                      7th                      11th

S, E, L, S → LESS

28. F E S T I V A L → M B W J H U T F G

30. F E L I C J T A T I O N S

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓  
1 4 5 7 10 11 12

F, I, C, T, I, O, N

31. D R I N T Q

↓ ↓ ↓ ↓ ↓ ↓  
5 7 8 3 6 9

32. D M P U I F T & U I S J D F

F Y I B V T U T U B C M K

T I J S U  
C M B T I

By letter to letter coding  
first find common letters

34. S Y S T E M Then T E R M S

1 3 1 6 2 5 6 2 4 5 1

38. T E A C H E R

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓  
+2 +2 +2 +2 +2 +2 +2 +2  
V G C E J G T

C H I L D R E N

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓  
+2 +2 +2 +2 +2 +2 +2 +2  
E J K N F T G P

39. F L A R E

21 15 26 9 22

(Reverse Value of alphabet)

40. S U G A R

↓ ↓ ↓ ↓ ↓  
P K L T N

T E A

↓ ↓ ↓  
Q G T

G R E A T

↓ ↓ ↓ ↓ ↓  
L N G T Q

42. T E M P L E

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓  
+2 +3 +4 +5 +6 +7  
V H Q U R L

C H U R C H

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓  
+2 +3 +4 +5 +6 +7  
E K Y W I O

43. I N S T I T U T I O N

N O I T U T I T S N I

All the letters written in reverse order

44. G O O D N E S S

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓  
+1 -1 +1 -1 +1 -1 +1 -1  
H N P C O D T R

G R E A T N E S S

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓  
+1 -1 +1 -1 +1 -1 +1 -1 +1  
H Q F Z U M F R T

45. B + 3 = 5, O + 16 = 31, I + 10 = 19, L + 13 = 25

48. N U M B E R

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓  
+2 -2 +2 -2 +2 -2  
P S O Z G P

B L O O D

↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓  
+2 -2 +2 -2 +2  
D J Q M F

50. POSE → OPQNOPRSTDEF



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Contact : -0744-2434727, 8824078330

Website : www.resonance.ac.in | E-mail : contact@resonance.ac.in

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CLASS-IX\_NPT-4\_PAGE-3