### Chandigarh NTSE Stage-1 2016

#### MENTAL ABILITY TEST

Time: 45 minute Maximum Marks: 50

# Instructions to the Candidates

### Read the following instructions carefully before you answer the questions:

- **1.** Answer are to be given on a SEPRATE ANSWER SHEET.
- **2.** Please write your twelve digits Roll Number very clearly on the Test-booklet and Answer Sheet as given in your admission card.
- **3.** Please note and follow the instructions given on the answer sheet for writing the answers.
- **4.** Darken the CIRCLE with pen for answering the question in the appropriate space against the number corresponding to the question you are answering.
- **5.** There are 50 question in the test.
- **6.** Since all questions are compulsory, do not try read the whole question paper before beginning to answer it.
- **7.** If you do not know the answer to any question, do not spend much time on it and pass on to the next one. Time permitting, you can come back to the question, which you have left in the first instance and try them again.
- **8.** Since the time allotted for this question paper is very limited you should make the best use of it by not spending too much time on any one question.
- **9.** Rough work can be done anywhere in the booklet but not on Answer sheet/loose paper.
- **10.** Every correct answer will be awarded one mark.
- **11.** Please return the answer sheet to the invigilator after the test.

	order? (1) Expound (3) Expulsion		Exposure Expose
2.	If it is possible to make a meaningful word from first, fifth ECCENTRICITY then which will be the third letter of the answer will be M and if the world formation is not possib (1) X (3) N	wor	d? If it is possible to make more than one world then
3.	How many such letter-pairs are there in the word FRON have in the series?  (1) 2	(2)	R having same no. of letters left between them as they  4  None of these
4.	<ul><li>(3) 1</li><li>If UDOMETER is coded as DUMOTERE then how will S</li><li>(1) USLBESAE</li><li>(3) USBAELES</li></ul>	UBL	
5.	If RASCAL is coded as QZRBZK then how will SOLDER (1) RNMEDQ (3) TPMEFS	be	
6.	If Sand is coded as Brick, Brick as House, House as Ter (1) Palace (3) Brick		, Temple as Palace then where do you worship? Temple House
7.	In a certain code language '123' means— 'Mahendra is A 'Mahendra was unlucky', then what is the code used for (1) 2 (3) 1	unlu (2)	
8.	If '678' means—'Society Family Husbandry', '574' means Census shop', then— (I) Which code has been used for 'Health'? (1) 7 (3) 2	;– 'Ηι (2)	usbandry Health Control', '342' means-'Health
9.	Directions –In the following question one word is differer to the group (1) KMNO (3) PRST		m the rest. Find out the word which does not belong  ABDE  UWXY
10.	As 'Magazine' is related to 'Editor' in the same why 'Drai (1) Hero (3) Co-actor		s related to what? Heroine None of these
11.	Directions—In the following question a series is given. W(?)? Z15A, W13C, ?, Q9G, N7I. (1) T12F (3) T11E	(2)	one of the alternative will replace the question-mark  R11F  R13D
12.	Direction – In the following question one number-series term. 5, 12, 19, 33, 47, 75, 104. (1) 33 (3) 75	is giv (2) (4)	ven in which one term is wrong. Find out the wrong  47 104
13.	Directions – In the following question a letter-series is gilletters are given in the proper sequence as one of the al—acca—ccca—acccc—aaa.		
	(1) caac (3) caaa	(2) (4)	ccaa None of these

If the following words are arranged according to the dictionary order then which will be the second word in that

1.

14.	Five members of a family, Rakesh, Mukesh, Roopesh, Vipul and Umesh take food in a definite order— (1) Umesh was next to first man. (2) Roophesh took food after the man who was before Vipul (3) Rakesh was the last man to the food						
	<ul><li>(a) Who was the first and last men to take food?</li><li>(1) Mukesh and Roopesh</li><li>(3) Umesh and Mukesh</li></ul>	(2) Roopesh and Rakesh (4) Mukesh and Rakesh					
15.	In a clock, the time is 7: 30 am. The clock is so placed will be minute hand facing?	d that its hour hand is facing North West. In which direction					
	(1) South (3) North East	(2) East (4) West					
16.		sitting in a row. Neither Anil is neighbour of Anand nor of he neighbour of Alok. If Alok is just in the middle, who is					
	(1) Anand (3) Anil	<ul><li>(2) Alok</li><li>(4) Can not be determined</li></ul>					
17.	Manish goes 7 km towards South–East from his hous km towards North West and in the end he goes 9 km (1) 14 km (3) 2 km	se, then the goes 14 km turning to West. After this he goes towards East. How far is he from his house?  (2) 7 km  (4) 5 km	7				
18.		Then he goes 3 km after turning to his right. After this he m after turning to his left. How far and in what direction is he	е				
	(1) 4 km, West (3) 9 km, East	<ul><li>(2) 7 km, East</li><li>(4) 7 km, West</li></ul>					
19.	an even number? 3425315213673182785391345235435	es, which are preceded by an odd number but not followed by	by				
	(1) One (3) Three	(2) Two (4) Four					
20.	es which are preceded by 5 but not followed by 7?						
	(1) One (3) Three	(2) Two (4) Four					
21.		om a but stand. An enquiry clerk told a passenger that the s will leave at 10.45 a.m. At what time did the enquiry clerk					
	(1) 10.05 a.m. (3) 10. 35 a.m.	(2) 9.55 a.m. (4) 10.15 a.m.					
22.	How many D's are there in the following letter-series, KDRMBSKDQKRBLKDQMQDKEFQDK						
	(1) 4 (3) 1	(2) 2 (4) 3					
23.		From there he walked 50 metres after turning to his left.  How far and in what direction is he now from his starting.					
	(1) 40 m, North (3) 10 m, East	<ul><li>(2) 50 m, West</li><li>(4) 10 m, West</li></ul>					
24.		From there he goes 100 m towards West. Here is the house which is in the South-West direction from Shyam's house. If w far is the market form Raman's house?  (2) 150 m  (4) None of these					

25.	In each question of the following two statements are given them. The given statements may be contrary to the universal true. Then decide which conclusion on the basis of give Statements: All sages are kind. All artists are kind. Conclusions: I. All sages are artists. II. All artists are sages. III. Some kind (persons) are sages. IV. Some kind (persons) are artists. (1) Only III and IV (3) Only IV	ersal n sta (2)	opinion, even then you have to assume them as
26.	•	. ,	
20.	In the following each question there are two statements at the given statements as true even if they are inconsistent facts find out which conclusion follows logically from the Give answer (1) if only the conclusion I follows.  Give answer (2) if only the conclusion I follows.  Give answer (3) if either the conclusion I or the II follows.  Given answer (4) if neither the conclusion I nor the II follows tatements: No man is crippled.  All crippled (things) are beasts. Conclusions:  I. Some beasts are crippled.  II. Some men are beasts.	t witl giver	n known facts and ignoring the universally known
27.	Pointing to a lady in the photograph Kaushal said, "She i ground father. " How is the lady related to Kaushal?	s the	daughter of the daughter of the only son of my
	(1) Sister (3) Niece	٠,,	Maternal aunt Cousin
28.	If P $\times$ Q means – 'P is the brother of Q', P $\div$ Q means 'P then which of the following relations will shown that Q is (1) Q $\times$ R $\div$ P (3) P $\times$ R – Q	the r (2)	
29.	If + means x, x means +, - means ÷ and ÷ means -, the	n –	
	$16 \times 2 \div 4 + 7 - 8 = ?$ (1) 31	(2)	29/2
	(3) 43/2	(4)	15
30.	If 'p' means ' $-$ ', 'q' means ' $+$ ', 'r' means ' $\div$ ' and 's' means 16 p 4 q 5 s 8 r 2 = ?	s 'x',	then –
	(1) -8 (3) 20	(2) (4)	32 12
	<b>Directions: (31-32)</b> In each of the following questions or assumptions. One the basis of the statement choose wh	ne sta	atement or advertisement is followed by two or three
31.	Statement— "We are feeling pleasure in extending the w by a working office.	orkir/	ng hours of our office to 7.30 p.m." A general notice
	Assumptions:  I. It would have been done inspite of workers' opposit	ion.	
	<ul><li>II. It was needed to extend the working hours.</li><li>(1) Only I is implicit</li></ul>	(2)	
	(3) Either I or II is implicit	(4)	Neither I nor II is implicit
32.	Statement –The residents of the locality wrote a letter to supply of drinking water immediately as the supply at pre <b>Assumptions:</b>		
	<ul><li>I. The Corporation many not take any action on the le</li><li>II. The municipality has enough water to meet the dem</li></ul>		
	<ul><li>III. The water supply to the area was adequate in the p</li><li>(1) Only II is implicit</li></ul>		Only III is implicit
	(3) Only I and III are implicit	(4)	

33. Directions –In the question a statement followed by two arguments is given. You have to decide which of the given statements is a strong argument and which is weak argument. Give answer (1) if only first argument is strong, given answer (2) if only second argument is strong, given answer (3) if either first or second argument is strong, given answer.

Statement — should competitive examination for selecting candidates for jobs, be of objective test only?

#### **Arguments:**

- I. Yes, the assessment of objective test is reliable.
- II. No, the number of questions to be answered is always very large.

#### Directions (34-36): Read the following information carefully and answer the questions given below:

- (i) There are five buildings –A, B, C, D and E in a row facing towards East but not necessarily in the same order. Five other buildings P, Q, R, S and T are in another row facing towards West. The buildings in each row are arranged infront of one another.
- (ii) B is at one of the end. There is only C between B and D. A is to the immediate left of D.
- (iii) R is just opposite to C and is between P and Q. S is to the immediate right of P.

34.	Which of the following pairs is a both the	e ends in any of the two rows?
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(1) B and A

(2) Q and S

(3) P and T

(4) B and E

35. A is in front of which of following buildings?

(1)

(2) P (4) Q

36. Which of the following buildings is infront of building E?

(1) §

2) R

(3) T

(4) None of these

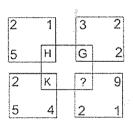
37. **Directions**: Out of nine cells of the a square one cell is left bank, and in the rest of the cells numbers are written which follow some rule. Get the rule and find out the proper option for the blank cell(?)

4.	9	20
8	5	- 14
10	3	?

(1) 8 (3) 14 (2) 11

(4) 1

38.



(1) O

(2) L

(4) Q

39. OQNEDRRNQ is a code for PROFESSOR, DMSDQDC is a code for

(1) ENTERED

(2) ARRIVED

(3) SLIPPED

(4) RETURNED

40. Which of the following diagrams indicates the best relation between Women, Mothers and Engineers?

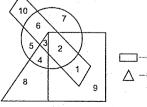
(1) ((1))

(2) (0 0

(3)

(4) ((())

41. In the following diagrams the boys who are athlete are disciplined are indicated by the which number?



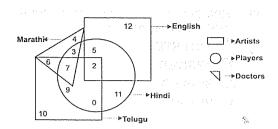
\_\_\_\_->Boys ○ -->Athlete

(3) 10

(2) 2

(4) None of these

Directions: In the following figure small square represents the persons who know English, triangle to those who know Marathi, big square to those who know Telugu and circle to those who know Hindi. In the different regions of the figures from 42 to 45 are given.



. . . . . . . . . . .

42.	(1) 5 (3) 7	e ian (2) (4)	guages only? 8 18
43.	How many persons can speak Marathi and Telugu both? (1) 10 (3) 13	(2) (4)	11 15
44.	How many person can speak only English? (1) 9 (3) 7	(2) (4)	12 19

- 45. How many persons can speak English, Hindi and Telugh?
  - (1) 8

(2)

(3) 7 (4) 10

Directions: -(45-50) Seven students A, B, C, D, E, F, G are standing in a straight line as follows

- C is standing between A and G
- B is standing to the left of E 2.
- G is standing between C and E 3.
- D and F are the right of C
- 46. Who is standing exactly in the middle?

(1)

(3) E

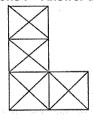
(4) D

- Who is standing to the extreme left?

(3) B

Ε

#### Directions: - Answer the questions (48-50) based upon the figure



48. How many squares are there in the given figure.

(2) 6

How many rectangles (excluding squares) are there in the given figure. 49.

(1) 3

(2) 5 (4) 13

How many triangles are there in the given figure. 50.

41 (2)

(3) 37

(4) 39

## **ANSWERS**

1.	2	2.	4	3.	1	4.	2	5.	4
6.	1	7.	4	8.	2	9.	2	10.	4
11.	3	12.	4	13.	3	14.	4	15.	4
16.	3	17.	4	18.	2	19.	3	20.	1
21.	4	22. 2	2	23.	2	24.	4	25.	1
26.	1	27.	3	28.	*	29.	2	30.	2
31.	2	32.	4	33.	1	34.	4	35.	1
36.	3	37. 2	2	38.	2	39.	1	40.	1
41.	2	<b>42.</b> <i>′</i>	1	43.	3	44.	2	45.	2
46.	1	47.	3	48.	3	49.	2	50.	4