

class **10**

MAT+ELT
Mental Ability Test English Language Test

TARGET
NTSE
National Talent Search Examination

Mock Test
5

Time : 90 Minutes

Max. Marks : 100

INSTRUCTIONS FOR CANDIDATES

Read the following instructions carefully before you answer the questions.

1. There are 2 parts in this test. **PART-A : Mental Ability Test** containing 50 questions numbered from 1 to 50 to be attempted in first 45 minutes; **PART-B : English Language Test** containing 50 questions numbered from 1 to 50 to be attempted in the next 45 minutes.
2. All questions are compulsory. Each question has 4 choices (1), (2), (3) and (4), out of which **ONLY ONE** is correct.
3. Answers are to be given on separate **Answer Sheet** provided at the end of this paper. You can tear this answer sheet along the cut marks provided.
4. If you do not know the answer to any question, do not waste time on it and pass on to the next one. Time permitting, you can come back to the questions, which you have left in the first instance and attempt them.
5. 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.
6. For all questions put a cross mark (x) on the number of the correct alternative on the answer sheet against the corresponding question number by using a blue ball point pen. Example

Correct Way :

Q.No.	Alternatives			
1.	①	②	③	④

Wrong Way :

Q.No.	Alternatives			
1.	①	②	●	④
1.	①	②	③	④

6. Rough work can be done anywhere in the booklet but not on the answer sheet/loose paper.
7. Every correct answer will be awarded one mark. There is no negative marking.
8. After completion of this test you can evaluate your performance by comparing your answers with answers provided in solution booklet.

Time : 45 Minutes

PART-A : Mental Ability Test

Max. Marks : 50

1. DRAMA is related to DIRECTOR as MAGAZINE is to
(1) Printer (2) Publisher
(3) Editor (4) Reader
2. Four friends were playing a game of cards, See the was to the right of Maithili and Uma to the left of Gouri. Which of the following was a pair of partners?
(1) Maithili and Gouri (2) Uma and Seethe
(3) Maithili and Seethe (4) Uma and Maithili
3. Three of the following four are alike in a certain way. Which one is not like the other four?
(1) Mica (2) Bird
(3) Pair (4) News
4. In a certain code CAT is written as SATC and DEAR as SEARD. How is SING written in that code?
(1) SSING (2) INGS
(3) SINGE (4) SINGS

DIRECTIONS (Q.5) : This question is based on letter series from which some of the letters are missing. The missing letters are given in the proper sequence as one of the alternatives. Find the correct alternative.

5. a a b _ a a a _ b b a _
(1) b a a (2) a b b
(3) b a b (4) a a b
6. Two clocks were set right at noon on Sunday. One gains 2 min and the other loses 3 min in 24 hours. What will be the true time when the first clock indicates 3 pm on Wednesday?
(1) 2:38 pm (2) 2:54 pm
(3) 2:23 pm (4) 2:48 pm

DIRECTIONS (Qs. 7 to 9) : Solve the addition :

$$\begin{array}{r} \text{A} \quad \text{A} \quad \text{A} \\ + \quad \text{B} \quad \text{B} \quad \text{B} \\ + \quad \text{C} \quad \text{C} \quad \text{C} \\ \hline \text{B} \quad \text{A} \quad \text{A} \quad \text{C} \end{array}$$

7. The value of A is:
(1) 9 (2) 7
(3) 6 (4) 1
8. The value of A + B + C is
(1) 15 (2) 18
(3) 16 (4) 12
9. Which of the following is/are true?
(i) A = B + C
(ii) A is the greatest digit integer
(iii) C = 0
(1) i & iii (2) ii & iii
(3) i & ii (4) iii only
10. If a man walks to his office at $\frac{5}{4}$ of his usual rate, he reaches office 30 minutes early than usual. What is his usual time to reach office.
(1) 2 hr (2) $2\frac{1}{2}$ hr
(3) 1 hr 50 min (4) 2 hr 15 min

DIRECTIONS (Qs. 11): The following question accompanied by three statements I, II and III. We have to determine which statements is/are sufficient to answer the question.

11. What is the sum of two numbers?
 - I. The bigger of these two numbers is 6 more than the smaller number.
 - II. 40% of the smaller number is equal to 30% of the bigger number.
 - III. The ratio between half of the bigger number and one-third of the smaller number is 2 : 1.

SPACE FOR ROUGH WORK

- (1) Only II and III are sufficient.
- (2) Only I and II are sufficient.
- (3) I and either II or III is sufficient.
- (4) All I, II and III together are sufficient.

12. In the following numbers series, how many even numbers are immediately preceded by 6 as well as immediately followed by 3?

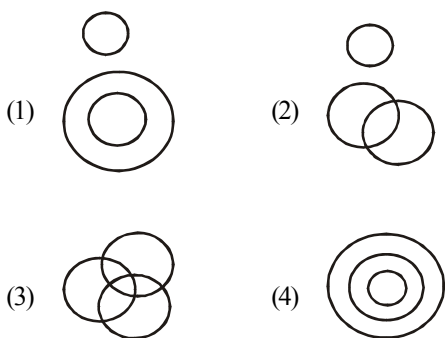
6 6 5 6 8 3 9 4 3 6 7 3 6 4 3 2 8 6 4 6 8
2 6 6 3

- (1) 1
- (2) 2
- (3) 3
- (4) 4

13. I went 15 m to the north, then I turned west and covered 10 m, then turned south and covered 5 m, and then turned east and covered 10m. In which direction am I from the starting point?

- (1) East
- (2) West
- (3) North
- (4) South

14. Which one of the following figures represents the relationship among 'Judge', 'Thief' and 'Criminal'?



DIRECTIONS (Qs.15 and 16) : In these questions, there are given two statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusions logically follows from the two statements disregarding commonly known facts.

15. **Statements :**
1. All players are smokers.
 2. Some smokers are drunkards.

- Conclusions :**
- I. All smokers are players.
 - II. Some drunkards are not smokers.

- (1) only conclusion I follows
- (2) only conclusion II follows
- (3) neither I nor II follows
- (4) both I and II follows.

16. **Statements :**
1. Some camels are ships.
 2. No ship is a boat.

- Conclusions :**
- I Some ships are camels.
 - II Some boats are camels.
 - III. Some camels are not boats.
 - IV. All boats are camels.

- (1) only I follows
- (2) only II and III follows
- (3) only I and III follows
- (4) only I and II follows

Common Data for Qs. 17 to 21.

$$\begin{array}{r} \text{Given -} \quad B \quad A \quad N \quad A \\ + N \quad A \quad N \quad A \\ \hline Q \quad B \quad P \quad B \end{array}$$

where $A = 3$ and $Q = 8$. Now, find the values of the following:-

17. $2B$.

- (1) 12
- (2) 42
- (3) 32
- (4) 16

18. $6P$.

- (1) 48
- (2) 36
- (3) 24
- (4) 12

19. N^2 .

- (1) 16
- (2) 4
- (3) 1
- (4) 9

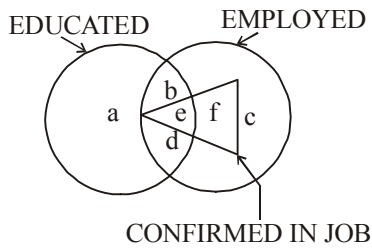
20. $P \times Q$.

- (1) 42
- (2) 64
- (3) 4
- (4) 32

21. Product of all the integers of $BANANA$.

- (1) 6888
- (2) 3888
- (3) 7888
- (4) 5998

22. Read the figure and find the region representing person who are educated and employed but not confirmed.

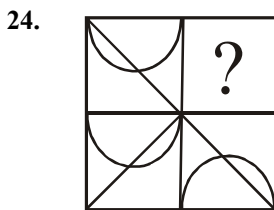


- (1) a & f (2) b & e
(3) b & d (4) d & e

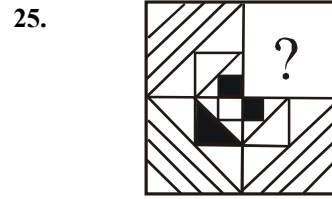
23. If GIVE is coded 5137 and BAT is coded as 924, how can GATE be coded?

- (1) 5247 (2) 5724
(3) 7254 (4) 2547

DIRECTIONS (Qs.24 and 25) : A part of the figure is missing. Find out from the given options (1, 2, 3 and 4) the right figure to fit in the missing place.

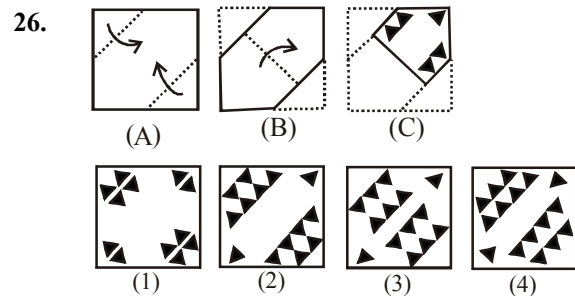


- (1) (2)
(3) (4)



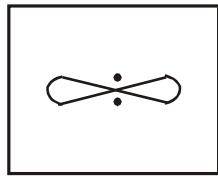
- (1) (2)
(3) (4)

DIRECTIONS (Q.26) : A set of three figures A, B and C showing a sequence of folding of a piece of paper. Fig. (C) shows the manner in which the folded paper has been cut. These three figures are followed by four answer figures from which you have to choose a figure which would most closely resemble the unfolded form of fig. (C).

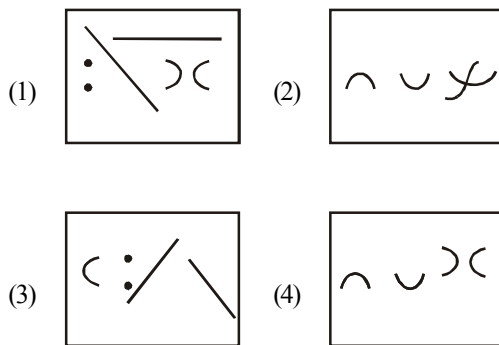


27. If MPOEPO, in code language means London decode NPTDPX.
(1) Delhi (2) Moscow
(3) Rome (4) Paris
28. Renu walks 9 kms towards East and then 12 kms towards the South. How far is she from starting point?
(1) 15 kms (2) 6 kms
(3) 7 kms (4) None of these

29. Find out which of the following options will exactly make up the Problem Figure.



Problem Figure



30. Four alternative summaries are given below. Choose the option that best captures the essence of the text.

Although, almost all climate scientists agree that the Earth is gradually warming, they have long been of two minds about the process of rapid climate shifts within larger periods of change. Some have speculated that the process works like a giant oven or freezer, warming or cooling the whole planet at the same time. Others think that shifts occur on opposing schedules in the Northern and Southern Hemispheres, like exaggerated seasons. Recent research in Germany examining climate patterns in the Southern Hemisphere at the end of the last Ice Age strengthens the idea that warming and cooling occurs at alternate times in the two hemispheres. A more definitive answer to this debate will allow scientists to better predict when and how quickly the next climate shift will happen.

- (1) Research in Germany will help scientists find a definitive answer about warming and cooling of the Earth and predict climate shifts in the future in a better manner.

- (2) Scientists have been unsure whether rapid shifts in the Earth's climate happen all at once or on opposing schedules in different hemispheres; finding a definitive answer will help them better predict climate shift in future.
- (3) Scientists have been unsure whether rapid shifts in the Earth's climate happen all at once or on opposing schedules in different hemispheres; research will help find a definitive answer and better predict climate shift in future.
- (4) More research rather than debates on warming or cooling of the Earth and exaggerated seasons in its hemispheres, will help scientists in Germany predict climate changes better in future.

DIRECTIONS (Qs. 31 to 34) : Study the given information carefully and answer the questions given below :

- (i) A, B, C, D, E, F and G are sitting on wall and facing east.
(ii) C is on the immediate right to D.
(iii) B is at an extreme end and has E as his neighbour.
(iv) G is between E and F.
(v) D is sitting third from south end.

31. Who is sitting to the right of E ?

- (1) A (2) C
(3) D (4) G

32. Which of the following pairs of people is sitting at the extreme ends ?

- (1) AB (2) AE
(3) CB (4) FB

33. Name the person who should change the place with C such that he gets the third place from north end

- (1) E (2) F
(3) G (4) D

34. Immediately between which of the following pairs of people is D sitting ?

- (1) AC (2) AF
(3) CE (4) CF

35. A man is facing North-West. He turns 90° in clockwise direction and then 135° in the anticlockwise direction. Which direction is he facing now ?

- (1) East (2) West
(3) North (4) South

36. In a class of 60, where girls are twice that of boys, Kamal ranked seventeenth from the top ? If there are 9 girls ahead of Kamal, how many boys are after him in rank ?

- (1) 3 (2) 7
(3) 12 (4) 23

37. Oriya is related to Orissa in the same way Dogri is related to;

- (1) Himachal Pradesh (2) Sikkim
(3) Jammu (4) Assam

38. Four words are given below out of which three are alike in some manner and fourth one is different. Choose out the odd one :

- (1) Walk (2) Run
(3) Ride (4) Crawl

39. Choose odd pair of the words :

- (1) Volume : Litre (2) Time : Seconds
(3) Length : Metre (4) Pressure : Barometer

40. Four numbers are given below out of which three are alike in some manner and fourth is different. Choose the different number :

- (1) 144 (2) 168
(3) 196 (4) 256

41. If REASON is coded as 5, BELIEVED as 7, what is the code number of GOVERNMENT?

- (1) 6 (2) 8
(3) 9 (4) 10

42. A man said to a lady "Your mother's husband's sister is my aunt." How is the lady related to man ?

- (1) Daughter (2) Grand-daughter
(3) Mother (4) Sister

DIRECTIONS (Qs. 43 and 44): Out of nine cells of a square one cell is left blank 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 (?)

43.

2	72	56
?	0	42
12	20	30

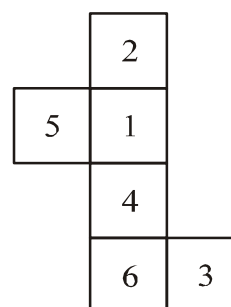
- (1) 4 (2) 6
(3) 8 (4) 10

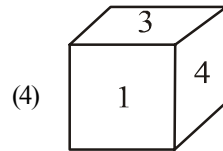
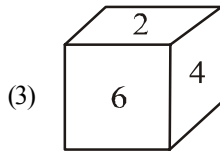
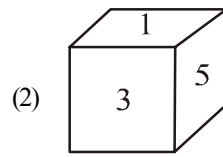
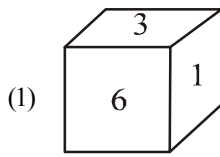
44.

91	64	73
84	76	61
25	60	?

- (1) 66 (2) 68
(3) 69 (4) 71

45. The following figure is converted into a cube. Its correct shape will be:-





Directions (Qs. 46 to 48): Find out the missing one from the given alternatives.

46. $08 : 28 :: (?) : 65$

- | | |
|--------|--------|
| (1) 9 | (2) 12 |
| (3) 15 | (4) 18 |

47. $35 : 91 :: 189 : (?)$

- | | |
|---------|---------|
| (1) 343 | (2) 341 |
| (3) 280 | (4) 210 |

50. $\frac{7}{11} : \frac{13}{17} :: \frac{19}{23} : (?)$

- | | |
|---------------------|---------------------|
| (1) $\frac{25}{27}$ | (2) $\frac{29}{31}$ |
| (3) $\frac{23}{29}$ | (4) $\frac{29}{33}$ |

49. If your birth day 30th June, 2003 falls on monday, on what day of the week does your birth day fall in the year 2005 ?

- | | |
|---------------|--------------|
| (1) Sunday | (2) Tuesday |
| (3) Wednesday | (4) Thursday |

50. At what angle are the hands of a clock inclined at 30 minutes past 6 ?

- | | |
|--------------------------|---------------------------|
| (1) $7\frac{1}{2}^\circ$ | (2) $11\frac{1}{2}^\circ$ |
| (3) 15° | (4) 23° |

SPACE FOR ROUGH WORK

DIRECTIONS (Qs. 1-7) : Read the following passage and answer the questions given after it.

In the early 1920's, settlers came to Alaska looking for gold. They travelled by boat to the coastal towns of Seward and Knik, and from there by land into the gold fields. The trail they used to travel inland is known today as the Iditarod Trail, one of the National Historic Trails designated by the Congress of the United States. The Iditarod Trail quickly became a major thoroughfare in Alaska, as the mail and supplies were carried across this trail. People also used it to get from place to place, including the priests, ministers, and judges who had to travel between villages. In the winter, the settlers' only means of travel down this trail was via dog sled. Once the gold rush ended, many gold-seekers went back to where they had come from, and suddenly there was much less travel on the Iditarod Trail. The introduction of the airplane in the late 1920's meant dog teams were no longer the standard mode of transportation, and of course with the airplane carrying the mail and supplies, there was less need for land travel in general. The final blow to the use of the dog teams was the appearance of snowmobiles.

By the mid 1960's, most Alaskans didn't even know the Iditarod Trail existed, or that dog teams had played a crucial role in Alaska's early settlements. Dorothy G. Page, a self-made historian, recognized how few people knew about the former use of sled dogs as working animals and about the Iditarod Trail's role in Alaska's colourful history. To raise awareness about this aspect of Alaskan history, she came up with the idea to have a dog sled race over the Iditarod Trail. She presented her idea to an enthusiastic musher, as dog sled drivers are known, named Joe Redington, Sr. Soon the Pages and the Redingtons were working together to promote the idea of the Iditarod race.

Many people worked to make the first Iditarod Trail Sled Dog Race a reality in 1967. The Aurora Dog Musher's Club, along with men from the Adult Camp in Sutton, helped clear years of overgrowth from the first nine miles of the Iditarod Trail. To raise interest in the race, a \$25,000 purse was offered, with Joe Redington donating one acre of his land to help raise the funds. The short race, approximately 27 miles long, was put on a second time in 1969.

After these first two successful races, the goal was to lengthen the race a little further to the ghost town of Iditarod by 1973. However in 1972, the U.S. Army reopened the trail as a winter exercise, and so in 1973, the decision was made to take the race all the way to the city of Nome—over 1,000 miles. There were many who believed it could not be done and that it was crazy to send a bunch of mushers out into the vast, uninhabited Alaskan wilderness. But the race went! 22 mushers finished that year, and to date over 400 people have completed it.

1. The primary purpose of this passage is to
 - (1) recount the history of the Iditarod trail and the race that memorializes it
 - (2) describe the obstacles involved in founding the Iditarod race
 - (3) outline the circumstances that led to the establishment of the Iditarod Trail
 - (4) re-establish the important place of the Iditarod Trail in Alaska's history
2. Based on information in the passage, it can be inferred that all of the following contributed to the disuse of the Iditarod Trail except
 - (1) more modern forms of transportation
 - (2) depleted gold mines
 - (3) highway routes to ghost towns
 - (4) reduced demand for land travel
3. As used in paragraph 2, which is the best definition for mode?
 - (1) formula
 - (2) way
 - (3) preference
 - (4) option
4. According to the passage, the initial Iditarod race
 - (1) was funded through the sale of musher entrance fees
 - (2) was founded by an advocate for Alaskan history
 - (3) ended at the ghost town of Iditarod
 - (4) boasted a total of 400 entrants

5. As used in paragraph 3, the phrase "self-made historian" implies that Dorothy G. Page
 - (1) was employed by the state to keep its dog sled history alive
 - (2) was determined to honour the glories of the gold rush in spite of her questionable credentials
 - (3) had pursued the study of Alaska's history out of her own interest
 - (4) had personally educated others about Alaska's history
6. In 1925, when a diphtheria outbreak threatened the lives of people in the remote town of Nome, the government used the Iditarod Trail to transport medicine nearly 700 miles to the town. If the author chose to include this fact in the passage, it would best fit in
 - (1) paragraph 1 (2) paragraph 2
 - (3) paragraph 3 (4) paragraph 5
7. Based on information in the passage, it can be inferred that because the U.S. Army reopened the Iditarod Trail in 1972,
 - (1) more people could compete in the Iditarod race
 - (2) the mushers had to get permission from the U.S. Army to hold the race
 - (3) the trail was cleared all the way to Nome
 - (4) the Iditarod race became a seasonal Army competition

DIRECTIONS (Qs. 8-12) : *Read the following passage and answer the questions given after it.*

Freedom has assuredly given us a new status and new opportunities. But it also implies that we should discard selfishness, laziness and all narrowness of outlook. Our state of freedom implies toil and new values for old things. We should so discipline ourselves as to be able to discharge our new responsibilities satisfactorily. If there is any one thing that needs to be stressed more than any other in the new set-up, it is that we should put into action our full capacity, each one of us, in productive effort---each one of us in his own sphere, however humble. Work, increasing work should be our watchword. Work is wealth and service is happiness. The greatest crime in India today is idleness. If we root our idleness, all our difficulties including our conflicts, will gradually disappear. Whether as a constable or as a

high official of the state, whether as a businessman or industrialist or artisan or farmer, we should all discharge our obligations to the state and contribute to the welfare of the country. Honest work is the sheet anchor to which if we cling, we shall be saved in spite of every danger or difficulty. Honest work is the fundamental law of progress.

8. What has freedom given us?
 - (1) selfishness and laziness in attitude
 - (2) new status and opportunities
 - (3) narrowness of outlook
 - (4) toil of old things
9. How should we discipline ourselves?
 - (1) by criticizing the loopholes of others
 - (2) by striving to get more freedom in all activities
 - (3) by discharge our new responsibilities satisfactorily
 - (4) by broadening our viewpoints in all spheres of life
10. What should be our watchword?
 - (1) wealth (2) honesty
 - (3) service (4) work
11. According to the passage, the greatest crime in India today is
 - (1) idleness (2) population
 - (3) corruption (4) unemployment
12. Which one of these is the fundamental law of progress?
 - (1) courage (2) honesty
 - (3) patience (4) wisdom

DIRECTIONS (Qs. 13-15) : *Read the following passage and answer the questions given after it.*

My father was passionate about two things : education and socialism. He was himself a born teacher. Indeed, he could never restrain himself from teaching, and as a small boy I was frequently embarrassed by his desire to instruct everybody---people in railway carriages, for instance---though I realised even then that it was an innocent desire, quite free from vanity. He was equally ready to receive instruction. Education, to men of his generation and temperament, was something it has largely ceased to be nowadays. It was the great golden gateway to the enchanted realms of the mind.

SPACE FOR ROUGH WORK

13. The author wants us to know that his father
- (1) was a school teacher
 - (2) was an educationist and socialist
 - (3) used to travel a lot
 - (4) loved teaching
14. The author often felt embarrassed by the behaviour of his father because
- (1) he taught badly
 - (2) he taught even at odd places
 - (3) he wanted to show off his learning
 - (4) he lost self control while teaching
15. To the generation of writer's father, education was
- (1) an old fashioned enterprise
 - (2) the result of good teaching
 - (3) an explanation of the world of imagination
 - (4) one aspect of socialism

DIRECTIONS (Qs. 16 & 17) : *The following five sentences come from a paragraph. The first and the last sentences are given. Choose the order in which the three sentences (PQR) should appear to complete the paragraph.*

16. S1. The boy was drowning.
S2. _____
S3. _____
S4. _____
S5. The man risked his own life.
P. He shouted for help.
Q. A workman heard the boy's shouts.
R. He plunged into the river.

Choose from the given options below.

- (1) PRQ (2) PQR (3) RQP (4) RPQ

17. S1. The soldiers were starving.
S2. _____
S3. _____
S4. _____
S5. The enemy easily defeated them.
P. Theirs leaders were dead.
Q. Their clothes were in rags.
R. Their ammunition was expended.
Choose from the given options below.
(1) QPR (2) PRQ (3) RQP (4) PQR

DIRECTIONS (Qs. 18 & 19) : *Following questions have the second sentence missing. Choose the appropriate sentence from the given options to complete it.*

18. A. Clive was determined to
B. _____
C. so he informed the council accordingly.
(1) build a palace
(2) reform the administration
(3) modify the ammunitions
(4) destroy the slums
19. A. The art of printing was introduced by
B. _____
C. during the reign of Edward IV.
(1) Jon Wong in China
(2) Peter Don in France
(3) Edwin Harvey in Germany
(4) William Caxton in England

DIRECTIONS (Qs. 20-29) : *Choose the word which best fills the blank from the four options given.*

20. Usha was badly _____ by the news which she got in the letter.
(1) electrified (2) petrified
(3) deranged (4) shaken

21. Success comes to those who are vigilant not to permit _____ from the chosen path.
 (1) distraction (2) deviation
 (3) alienation (4) diversion
22. Their _____ to scale the mountain peak was an absolute failure.
 (1) attempt (2) desire
 (3) anxiety (4) proposal
23. Changes in the socio-economic environment have generated a sense of _____ crisis among the people.
 (1) deliberate (2) fearful
 (3) damaging (4) profound
24. The Chairman will come here at 5 p.m. to _____ a lecture.
 (1) attain (2) speak
 (3) talk (4) deliver
25. Undoubtedly, English is the most _____ spoken language in the world today.
 (1) elaborately (2) greatly
 (3) widely (4) broadly
26. To say that a rectangle will never be a square because it is a rectangle is simply to _____ the very thing you profess to prove.
 (1) ensure (2) insure
 (3) assume (4) contradict
27. A five-year-old boy was _____ from his school on Monday last by his servant for a ransom of ₹ 8, 000.
 (1) driven (2) arrested
 (3) escorted (4) kidnapped
28. The car driver was arrested for rash driving and his licence was _____ by the police.
 (1) impounded (2) prescribed
 (3) suspended (4) penalised
29. The audience _____ at the end of drama.
 (1) applauded (2) appraised
 (3) exploded (4) appreciated

DIRECTIONS (Qs. 30-35) : Select the meaning of the given phrases/idioms.

30. *To clear the air*
 (1) to work hard (2) to wash properly
 (3) to remove tension (4) to create confusion
31. *No axe to grind*
 (1) a bad situation (2) to rebuke
 (3) to act selflessly (4) to confuse others
32. *A good samaritan*
 (1) a genuinely helpful person
 (2) an honest politician
 (3) a clever person
 (4) a priest
33. *Gift of the gab*
 (1) lucky
 (2) a big surprise
 (3) to have a talent for speaking
 (4) an honest person
34. *Pillar to post*
 (1) driven from one place to another
 (2) very tiresome journey
 (3) main supports of a building
 (4) clumsy looking objects
35. *To have cold feet*
 (1) to feel very cold
 (2) to pay much attention to
 (3) to lose confidence
 (4) to pour water on something

DIRECTIONS (Qs. 36-43) : In the following passage there are some numbered blanks. Fill in the blanks by selecting the most appropriate word for each blank from the given options.

Many of us believe that science is something modern, (36) the truth is that man has been using science for (37) very long time. However, it has (38) a greater effect on human lives in the

last 25 or 30 years than in the hundreds of years (39) the invention of the plough. The marvellous gifts of science have made modern life (40) and comfortable. But science has at the same time created new problems. One of these, which may become (41) in the years to come, is that of 'jet-lag'. With the coming of modern jets, flying at more than 900 kilometres an hour, the world (42) very small indeed. Today if you leave New Delhi at 4.00 in the morning, you (43) eat an early breakfast in the sky over Kabul, and be in London by about 1.00 p.m.

36. (1) unless (2) if (3) through (4) Although
 37. (1) the (2) that (3) that (4) an
 38. (1) have (2) had (3) has (4) have been
 39. (1) from (2) for (3) since (4) by
 40. (1) dull (2) exciting (3) aimless (4) failure
 41. (1) bad (2) worse (3) good (4) better
 42. (1) can become (2) became
 (3) has become (4) become
 43. (1) will (2) can (3) must (4) ought

DIRECTIONS (Qs. 44-47) : *Select the most appropriate option to fill in the blanks from the given alternatives.*

44. Rima _____ an acceptance speech, but the Leader of the Year title went to Henna instead.
 (1) will prepare (2) prepared
 (3) had prepared (4) preparing

45. Mike _____ on thin ice for two hours when he heard the first crack.
 (1) had been skating (2) skating
 (3) to skate (4) none of these
 46. Rima _____ Shyam for years about his smoking habits, but he just won't listen.
 (1) warn (2) warned
 (3) has been warning (4) warns
 47. Garima _____ to speak to Mickey ever since he declared that a little thin ice shouldn't scare anyone.
 (1) refuse (2) has refused
 (3) refusing (4) refuses

DIRECTIONS (Qs. 48-50) : *Select the word which means the similar of the given word*

48. REMEDIAL
 (1) Punitive (2) Stringent
 (3) Corrective (4) Strict
 49. TRIVIAL
 (1) Unimportant (2) Transparent
 (3) Important (4) Unexpected
 50. INCREDIBLE
 (1) Hard to believe (2) Considerable
 (3) Inconsistent (4) Unsatisfactory

SOLUTIONS

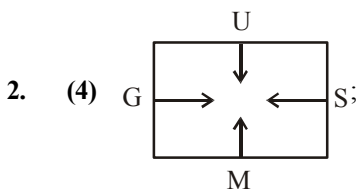
PART A : MAT (Mental Ability Test)

MOCK TEST 5

ANSWER KEY

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

Hints and Explanations



From the figure, Uma and Maithili.

3. (3) Rest are singular. Pair is plural.
 4. (4) 'S' is prefixed, whereas first letter goes at the end.
 5. (1) a a b b a a / a a b b a a. Therefore **baa** is answer.
 6. (2) Time from noon on Sunday to 3 pm on Wednesday = 75 hours.

24 hours 2 minutes of the first clock
 = 24 hours of the correct one.
 \Rightarrow 1 hour of the first clock = $24 \times (30/721)$ hours of correct one.
 \Rightarrow 75 ours of the first clock
 = $24 \times 30 \times (75/721)$ hours of correct one
 = $54000/721$ hours = 74 hours 53.7 min.

Hence the answer is 2:54 pm.

7-9.

$$\begin{array}{r}
 A \quad A \quad A \\
 + \quad B \quad B \quad B \\
 + \quad C \quad C \quad C \\
 \hline
 B \quad A \quad A \quad C
 \end{array}$$

As the right hand digit of the sum of $A + B + C = C$, it means that $A + B = 10$ so A or B, none can be 0. Also the sum of $A + B + C$ can not exceed 19, So 1 is carried to the second column.

Now, $1 + A + B + C$ gives A as the right digit of the sum. So, $A = C + 1$. Further, again 1 is carried over to the third column as A can not be 0 and the sum of $1 + A + B + C$ can be atmost 19.

On adding $A + B + C + 1$ we get BA, thus here $B = 1$. using $A + B = 10$, $A = 10 - 1 = 9$

Also, $A = C + 1$

$\Rightarrow C = A - 1 = 9 - 1 = 8$.

So, $A = 9$, $B = 1$ and $C = 8$ satisfy all the conditions.

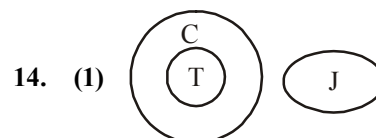
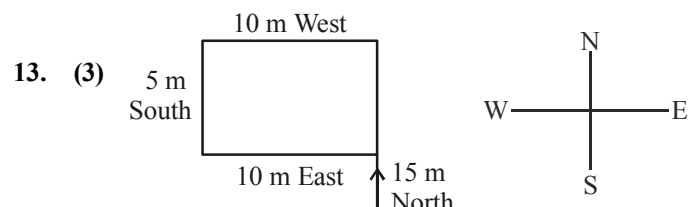
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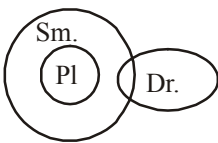
$$\begin{array}{r}
 9 \quad 9 \quad 9 \\
 + \quad 1 \quad 1 \quad 1 \\
 + \quad 8 \quad 8 \quad 8 \\
 \hline
 1 \quad 9 \quad 9 \quad 8
 \end{array}$$

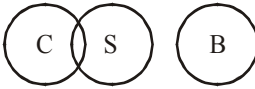
7. (1) $A = 9$
 8. (2) $A + B + C = 9 + 1 + 8 = 18$
 9. (3) $A = B + C$ or $9 = 1 + 8 = 9$ true.
 $A = 9$ is the greatest digit.
 $C = 0$ is false.
 So, (i) & (ii) are true.
 10. (2) Usual time $\times \left(\frac{4}{5} - 1\right) = \frac{-30}{60}$
 \Rightarrow usual time = $\frac{1}{2} \times 5 = 2\frac{1}{2}$ hr
 11. (3) From the given statements we can make the following equations.
 (I) $\Rightarrow y = x + 6$
 (II) $\Rightarrow 0.4x = 0.3y \Rightarrow \frac{x}{y} = \frac{3}{4}$
 (III) $\Rightarrow \frac{y/2}{x/3} = \frac{2}{1} \Rightarrow \frac{y}{x} = \frac{4}{3} \Rightarrow \frac{x}{y} = \frac{3}{4}$

Obviously, question can be solved by using (I) and either (II) or (III) because equations (II) and (III) are same.

12. (3) 6 6 5 6 8 3 9 4 3 6 7 3 6 4 3 2 8 6 4 6 8 2 6 6 3.



15. (2) ; From the figure none follows.

16. (3) ; from the figure, only I and III follow.

Solutions 17 - 21:

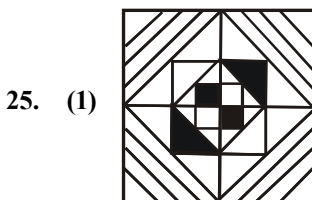
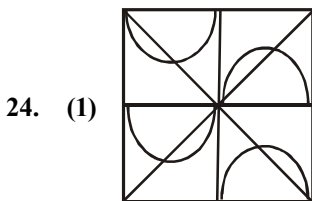
Here $A = 3$ and $Q = 8$.

$$\begin{array}{r} B \quad 3 \quad N \quad 3 \\ + N \quad 3 \quad N \quad 3 \\ \hline 8 \quad B \quad P \quad B \end{array}$$

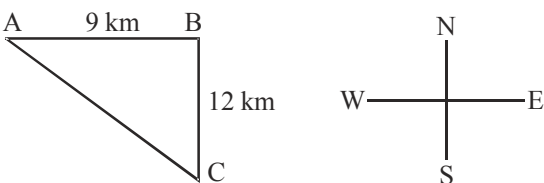
As, $3 + 3 = B = 6$, $N = 8 - B = 8 - 6 = 2$. So, $P = N + N = 4$.

17. (1) $2 \times 6 = 12$.
 18. (3) $6 \times 4 = 24$.
 19. (2) $N^2 = 2^2 = 4$.
 20. (4) $P \times Q = 4 \times 8 = 32$.
 21. (2) $B \times A \times N \times A \times N \times A = 6 \times 3 \times 2 \times 3 \times 2 \times 3 = 3888$.
 23. (1)

GIVE	BAT	GATE
5137	924	5247



27. (2) MPOEPO \rightarrow London \therefore NPTDPX \rightarrow MOSCOW
 Letter of words are one less than letters of code.

28. (1) 

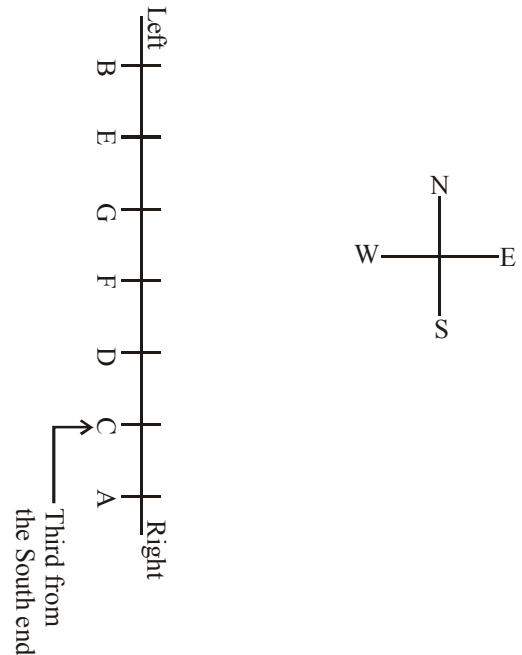
$$AC^2 = 9^2 + 12^2 = 81 + 144 = 225$$

$$\therefore AC = 15 \text{ kms}$$

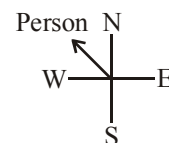
30. (2) Option (2) is the answer because it talks about scientists being unsure about rapid shifts in earth's climate and how finding a definitive answer will help them to predict the future climatic changes. Option (1) cannot be the answer as it talks about research in general and the paragraph gives more emphasis on finding a "definitive

answer" in terms of climate change. Option (3) is not considered as it gives emphasis only on research done in Germany. Option (4) is also ruled out because it specifically gives more importance to scientists of Germany.

Solutions (Qs. 31 to 34) :



31. (4) G is sitting right of D.
 32. (1) AB is a pair whose in sitting at the extreme ends.
 33. (3) G is third from the north end.
 34. (4) D is sitting between C and F.
 35. (2) Short cut method-
 Take clockwise as '+' and anticlockwise as '-'



$$\therefore +90^\circ - 135^\circ = -45^\circ$$

As person is facing North west. Now, rotate that person 45° anticlockwise. Now, he is facing west direction.

36. (3) Let the no. of boys = x
 Let the no. of girls = $2x$
 According to question
 $x + 2x = 60$
 $\Rightarrow x = 20$
 Boys = 20
 Girls = 40

If Kamal is at Seventeenth position and 9 girls are a head of him then out of 16 people standing ahead of him, seven are boys. Therefore, there are 12 boys are after him in a rank.

37. (3) Oriya is language of Orissa likewise dogri is language of Jammu.
38. (3) Walk, run and crawl are various form of walking. Hence, option (3) is ruled out.
39. (4) Except (4) all other are measurement unit like time is to be measure is seconds.
40. (2) Except (2) all are perfect square numbers.
41. (3) No. of alphabets in REASON = $6 - 1 = 5$
No. of alphabets in BELIEVED = $8 - 1 = 7$
 \therefore GOVERNMENT = $10 - 1 = 9$.
42. (4) Mother — Husband = Sister (Aunt)
 $\begin{array}{cc} | & | \\ \text{Lady} & \text{Man} \end{array}$
 Lady is sister to man.
43. (2)
- | | | |
|----------------|----------------|----------------|
| $2^2 - 2 = 2$ | $9^2 - 9 = 72$ | $8^2 - 8 = 56$ |
| $3^2 - 3 = 6$ | $1^2 - 1 = 0$ | $7^2 - 7 = 42$ |
| $4^2 - 4 = 12$ | $5^2 - 5 = 20$ | $6^2 - 6 = 30$ |
44. (1) In the first column,
 $91 + 84 + 25 = 200$
 In the second column,
 $64 + 76 + 60 = 200$
 Similarly,
 $73 + 61 + ? = 200$
 $\therefore ? = 200 - 73 - 61 = 66$
45. (4) The opposite pairs are $(-2, 4)$, $(1, 6)$ and $(3, 5)$
 Therefore, option (4) is correct choice.

46. (3)
- $$\begin{array}{ccccccc} 8 & : & 28 & :: & (?) & : & 65 \\ \downarrow & & \downarrow & & \downarrow & & \downarrow \\ 3^2 - 1 & & 3^3 + 1 & & 4^2 - 1 & & 4^3 + 1 \\ & & & & \downarrow & & \\ & & & & 15 & & \end{array}$$
47. (2)
- $$\begin{array}{ccccccc} 35 & : & 91 & :: & 189 & : & 341 \\ \downarrow & & \downarrow & & \downarrow & & \downarrow \\ 2^3 + 3^3 & & 3^3 + 4^3 & & 4^3 + 5^3 & & 5^3 + 6^3 \end{array}$$
48. (2, 4) $\frac{7}{11} : \frac{13}{17} :: \frac{19}{23} : \frac{29}{31}$
 All are prime numbers.
 (OR)
 Difference between numerator and denominator is 4.
 Therefore, $\frac{29}{33}$ is also correct.
 Hence, this question has two solutions.
49. (4) In every ordinary year there is one odd day and in leap year there is two odd days.
 Therefore, from 30th June 2003 to 30th June 2005, we get three odd days. Hence, Monday + 3 odd days = Thursday.
50. (3) Angle between hands of clock = $\left| 30H - \frac{11}{2}M \right|$
 where H \rightarrow Hour hand, M \rightarrow Minute hand
 $\therefore \left| 30 \times 6 - \frac{11}{2} \times 30 \right| = 15^\circ$

PART B : ENGLISH LANGUAGE TEST

MOCK TEST 5

ANSWER KEY

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

Hints and Explanations

- (1) We can understand that the content of the passage discusses the history of the Iditarod Trail and the race that memorializes it. This means the author's primary purpose is to recount this history.
- (3) In para 2, the author identifies the factors that contributed to the disuse of the Iditarod Trail. The author does not mention highway routes to ghost towns, so (3) is correct.
- (2) Previously the only means of travel in the winter was by dog sled, but once airplanes were introduced, dog sleds were not the standard mode of transportation, or not the only means of travel. Way is a good definition for mode or means in this context, so (B) is correct.
- (2) Founder of the initial Iditarod race was a "historian" who wanted to "raise awareness about...Alaskan history." Another way to say this is that Dorothy G. Page was an advocate for Alaskan history. Therefore (2) is correct.
- (3) To describe Page as "self-made" implies that she did not hold formal credentials as a historian, but rather had pursued the study of Alaska's history out of her own interest. Therefore (3) is correct. The passage does not

contain information to support choice (1) . Therefore it is incorrect.

6. (1) This is a fact about the history of the Iditarod Trail. Since paragraph 1 is devoted to the history of the trail, and particularly its historical uses, this fact would fit in well there. Also, paragraph 1 discusses the early 1920's, whereas para 2 discusses the late 1920's and beyond. This means that a fact about the 1925 medicine run best fits in para 1 chronologically as well. Therefore (1) is correct.
7. (3) The words "and so" tell us that taking the race all the way to Nome was a result of the U.S. Army reopening the trail. Because the U.S. Army reopened the trail, we can infer that the trail was cleared all the way to Nome, and therefore making the race go all the way to Nome was a possibility for the first time. This means (3) is correct.
8. (2) Freedom has assuredly given us a new status and new opportunities.
9. (3) We should so discipline ourselves as to be able to discharge our new responsibilities satisfactorily.
10. (4) Work, increasing work should be our watchword.
11. (1) The greatest crime in India today is idleness.
12. (2) Honest work is the fundamental law of progress.
20. (4) If you are shaken by an unpleasant experience, it makes you feel shocked and upset. "Badly shaken" thus means much shocked". But petrified itself means "very frightened." So it does not admit an intensifying adverb badly.
21. (2) (1), (2) and (4) are close choices. Distraction happens to your thoughts. When we are talking of 'path', it is either deviation or diversion. While diversion is moving away from the main course (road), deviation is moving away from the normal (here "chosen") path.
22. (1) (2), (3) and (4) are the pre-action phase. One fails or succeeds only when one does a work. That is, when one tries. Hence, 'attempt' is the right answer.
23. (4) All crises (plural of crisis) are "fearful" and "damaging". So (2) and (3) do not add anything to the sentence. (1) and (4) does not make any sense.
24. (4) Deliver is used in the following senses. If you deliver something somewhere, you take it there. For example: The postman delivers letters at our homes. When you deliver what you have promised to do or make, you do it or make it. For example: The manager promised to get ads but failed to deliver. If you deliver A into B's care, you give B responsibility for A. For example: I let mother delivered her to me before she (her mother) died. If you give a lecture or speech in public, you deliver it. [The given question has this usage.] When you deliver a baby, you help the woman who is giving birth to the baby. If A delivers a blow to B, A hits B. If someone delivers you from something, he rescues or saves you from it.
25. (3) If a language is spoken by many people or throughout a large area, we say that it is widely spoken.
27. (4) The word "ransom" gives us the clue. A ransom is the money (₹ 8, 000) that has to be paid to the kidnapper (here, "servant") so that he will set free the person kidnapped (here, the "five-year-old boy").
28. (1) If something (here, the driver's licence) is impounded by the police, customs officers or other officials, they officially take possession of it because a law or rule has been broken (here, "rash driving"). Impounded thus means seized in a specific context.
29. (1) When people (here 'audience') applaud they clap their hands in order to show approval, for example when they have enjoyed a drama or concert.
48. (3) The word 'remedial' means aimed at solving a problem which is similar in meaning to 'corrective'.
49. (1) The word 'trivial' means not worth considering, insignificant etc., which is similar in meaning to 'unimportant'.
50. (1) The word 'Incredible' means beyond belief, unbelievable, unimaginable etc. which is similar in meaning to 'hard to believe'.