



iQuest Scholastic & Mental Aptitude Reward Test

Time: 1 Hr

Max Marks : 200

THE TEST CONSISTS OF TWO SECTIONS : (TOTAL 50 QUESTIONS)

SECTION A : MAT

SECTION B: SAT

20 Questions

30 Questions

INSTRUCTIONS TO CANDIDATE

- Each subject in this paper consists of multiple choice questions with only one correct answer. +4 marks will be awarded for correct answer and -1 mark for wrong answer.
- Please read the instructions given for each question carefully and fill the correct answer against the question numbers on the answer sheet in the respective subject.
- ➤ Use blue or black ball point pen or H.B. pencil to darken the appropriate circle & mark should completely fill the circle.
- The Question paper contains blank spaces for your rough work. No additional sheet will be provided for rough work.
- Blank papers, Clipboards, Log Tables, Slide rule, Calculators, Cellular phones, Pagers and Electronic gadgets in any form are not allowed.
- Write your Name, Roll Number in the block at the top of the Answer Sheet. Also write your Name & Registration No. in the space provided on this cover page of question paper.
- > This test paper is just an indicative of the actual test, The pattern of the actual test may vary.

Name:____

_Students ID:___

City Centre, Bhupindra Road, Near 22 No. Phatak, Patiala. Ph. 0175-5010413, 5010414, http://www.iquest.co.in

SECTION - A (MAT) Directions : (Q1-2)In the following questions, four out of the five alternatives are same in a certain way and				(5) TOIL	(E) ajgl	
			4.	(7) NAUGHTY DAILY	(g) iqcfvzj	
so fo	orm a group. Find the	odd one that does not belong		(A) aqzla	(B) alzqi	
to th	e group.	0		(C) lzqat	(D) aqtzc	
1.	(A) HJM	(B) OQT	5.	TEAR		
	(C) BDG	(D) VXZ		(A) nqjw	(B) qwmc	
2.	(A) 26	(B) 124		(C) jwqc	(D) fjew	
	(C) 728	(D) 64	Dire	ctions : (Q6-9)Study	the following information	
3. In a code language, if BEAT is coded as 5642 and SWEET is coded as 66912, how would you			carefully and then answer the questions that follow.			
	code TEASE?			E each having a diff	Ferent weight	
	(A) 96162	(B) 56264		(i) A weight twice	a much as R	
(C) 96625 (D) 55296				(i) A weight twice a	as much as D .	
Dire	ections : (Q4-5)Acc	ording to a certain code		(ii) B weigns four and nair times as much as C.		
lang	uage, words in colui	nn I are written in capital		(111) C weighs half as much as D.		
lette	rs and in column II	their codes are given. The		(1v) D weighs half a	as much as E.	
code	es in column II are	jumbled up. Decode the		(v) E weighs less th	an A but more than C.	
give	n in each of the quest	ions that follow.	6.	E is lighter in weigh articles?	It than which of the other two	
	Column - 1	Column - II		(A) A, B	(B) D, C	
	(1) CHAIN	(A) acmvq		(C) A, C	(D) D, B	
	(2) FRAIL	(B) pnqal	7.	E is heavier than	which of the following two	
	(3) TEAM	(C) wjqd		articles?		
	(4) DESTINY	(D) xwtjazc		(A) D, B	(B) D, C	
		· / J		(C) A, C	(D) A, B	



8. Which of the following is the heaviest in weight?

(A) A	(B) B
(C) C	(D) D

9. Which of the following represents the descending order of weights of the articles?

(A) A, B, E, D, C	(B) B, D, E, A, C
(C) A, B, C, D, E	(D) C, D, E, B, A

10. After walking 6 km I turned right and covered a distance of 2 km, then turned left and covered a distance of 5 km. In the end, I was moving towards the north. In which direction did I start the journey?

(A) North	(B) South
(C) East	(D) West

11. In a class, the names of boys are arranged alphabetically. Gaurav and Saurabh have 14 boys between them. If Gaurav is 37th from the bottom, Saurabh would be at what position from the top?

(A) 25th(B) 28th(C) 27th(D) Can't be determined

12. How many 6s in the series are preceded by 5 but not followed by 9?

568676565685965696865568659569568

(A) 4	(B) 6
(C) 7	(D) 5

Directions : (Q13)Following questions are based on the information given below:

- 1. 'P×Q' means 'P is the father of Q'
- 2. 'P–Q' means 'P is the sister of Q'
- 3. 'P+Q' means 'P is the mother of Q'
- 4. ' $P \div Q$ ' means 'P is the brother of Q'
- **13.** Which of the following represents 'J is the son of F'?
 - (A) $J \div R T \times F$ (B) $J + R T \times F$ (C) $J \div M - N \times F$ (D) None of these

Directions : (Q14)The question below consist of a question followed by two statements labelled as I and II. You have to decide if these statements are sufficient to conclusively answer the question. Give your answer as:

- (A) if statement I alone is sufficient to answer the question;
- (B) if statement II alone is sufficient to answer the question;
- (C) if statement I and II together are needed to answer the question;
- (D) if statement I or II alone are sufficient to answer the question;
- 14. Who is older Ritu or Situ?
 - I. Situ was born in the year 1980 and is 5 years younger than Ritu's brother.
 - II. Ritu is twice as older as her brother.



15. How many rectangles are there in the figure below?

(A) 11	(B) 9
(C) 7	(D) 5



(D) 9

(A) 6

(C) 8





Directions : (Q17)Each of the following questions has a matrix with a question mark in one block. Replace the question mark by chossing the correct response from amongst the alternatives given.

6	8	?
9	3	13
10) 14	1

17.

Directions : (Q18)Find the missing number:

	Concerning the second second second	N21-		
	4	5	6	
	2	3	7	
18.	1	8	3	
	21	98	?	
	(A) 16	5		(B) 73
	(C) 76			(D) 94

Directions : (Q19-20) In each of the following questions one number is wrong in the series. Find out the wrong number:

19.	864, 420, 200, 96	6, 40, 16, 6
	(A) 420	(B) 200
	(C) 96	(D) 40

20.	87, 54, 28, 13, 5, 2, 2		
	(A) 28	(B) 54	
	(C) 13	(D) 2	



SECTION B- (SAT)

27. 21. Chicken pox and polio are diseases caused by : (A) Bacteria (B) Virus (C) Protoza (D) Fungi 22. Which of the following is a female sex hormone? (A) Oestrogen (B) Progesterone (C) Both oestrogen and progesterone (D) None of these 23. The hormone that helps to prepare body for any state of emergency is secreted by : (A) Thyroid gland (B) Pancreas (C) Adrenal gland (D) Pituitary gland 24. In a beehive, the larva and pupa are cared by : (A) Queen (B) Drones (C) Workers (D) All of these 25. The microorganisms responsible for maintaining soil fertility and in recycling of matter are : (A) Bacteria and viruses (B) Bacterial and fungi (C) Bacterial and mycoplasmas (D) Algae and fungi 26. The cell organelle in which the inner membrane is folded in the finger like projection is :

(A) Lysosome	(B) Mitochondria
(C) Golgi body	(D) Nucleus
Deforestation causes :	

- (A) Decline in percentage of oxygen in air
- (B) Increase in percentage of carbon dioxide in air
- (C) Both decline and increase in percentage of oxygen and carbon dioxide respectively.
- (D) None of these
- **28.** Asiatic lion is an example of :

(A) Rare species(B) Vulnerable species(C) Endangered species (D) Extinct species

29. The image formed by a convex lens is of the same size when the object is placed

(A) at F(B) between f and 2F(C) at 2F(D) beyond 2F

- **30.** The lateral displacement of the emergent ray coming out of a glass slab increases
 - (A) with the increase in the thickness of the glass slab
 - (B) with the decrease in the thickness of the glass slab
 - (C) does not depend upon the thickness of the glass slab
 - (D) with increase in the speed of light



31.	Laws of planetary motions were given by	35.	If no force acts on a body, it will	
	(A) Nicholas copernicus(B) Prolemy		(A) get dishaped(B) move with increasing speed	
	(C) Johannes Kepler(D) Galilco		(C) either remain at rest or move in a straight line(D) break	
32.	In a cell, electrons move from	36.	Air pollution can be controlled by:	
	(A) Positive electrode to negative electrode		(A) Reducing the use of fossil fuel	
	(B) Negative electrode to positive electrode		(B) By filtering out the solid particles from smoke	
	(C) Both (A) and (B)		(C) Using unleaded petrol(D) By all of these	
	(D) Electrons do not move and only positive charge	37.	Metals are malleable and ductile because	
	moves from one place to another		(A) Metals can shine.	
33.	Newton's law of gravitation is valid		(B) Metals produce sound.	
	(A) on the earth only (B) everywhere		(C) Layers of metal atoms can slip over each other.	
	(C) on the moon only (D) in the laboratory only		(D) Atoms form close clusters.	
34.	When pressure is applied through a hole in the top of a closed tube containing water, the pressure		Silver article turns black after a period of time due to formation of :	
	is transmitted to		(A) Silver nitrate (B) Silver sulphide	
	(A) only the bottom of container(B) all directions		(C) Silver oxide (D) Silver chloride	
			L.P.G. is mainly a mixture of two hydrocarbon	
	(C) only the side faces and the bottom of the container		(A) Butane + Ethane(B) Butane + Isobutane(C) Propane + Ethane(D) Methane + Ethane	
	(D) only on the side of the container	40.	Water cannot be used as fire extinguisher to put out	
			(A) Burning wood(B) Burning oil(C) Burning cloth(D) Burning charcoal	



- **41.** The zone of flame having maximum temperature is
 - (A) Luminous(B) Non-luminous(C) Dark zone(D) None of these
 - In electrolytic refining, the metal to be refined is
- **42.** In electrolytic refinin made the
 - (A) anode (B) cathode
 - (C) anode or cathode
 - (D) both anode and cathode
- **43.** With Rs. 1,000, one can buy 4 pairs of trousers or 8 shirts. What is the amount required to buy 3 pairs of trousers and 3 shirts ?

(A) Rs. 1125	(B) Rs. 1015
(C) Rs. 1115	(D) Rs. 1105

44. If a : b = 2 : 3 and x : y = 3 : 4, the value of

$$\frac{4ay - 3bx}{5ax - 2by}$$
 is

(A)
$$\frac{5}{3}$$
 (B) $\frac{5}{6}$
(C) $\frac{4}{5}$ (D) $\frac{5}{4}$

45. The value of $(a^{1/8} + a^{-1/8}) (a^{1/8} - a^{-1/8}) (a^{1/4} + a^{-1/4}) (a^{1/2} + a^{-1/2})$ is :

(A) $(a + a^{-1})$	(B) ($a - a^{-1}$)
(C) $(a^2 + a^{-2})$	(D) $(a^2 - a^{-2})$

46. The HCF of two expressions *a* and *b* is 1. Their LCM is :

(A) (a + b)
(B) a - b
(C) ba
(D) 1/ab

47. The sum of two numbers is 2490 and if 6.5% of one number is equal to 8.5% of the other, then numbers are :

(A) 1414, 1076	(B) 1411, 1079
(C) 1412, 1078	(D) none of these

48. The value of $\sqrt{7+2\sqrt{10}}$ is :

(A)
$$\sqrt{6} + \sqrt{1}$$
 (B) $\sqrt{4} + \sqrt{3}$

(C)
$$\sqrt{5} + \sqrt{2}$$
 (D) $2 + \sqrt{5}$

49. A general arranges his soldiers in rows to form a perfect square. He finds that in doing so, 60 soldiers are left out. If the total number of soldiers be 8160. Then the number of soldiers in each row is :

(A) 90	(B) 91
(C) 92	(D) 80

50. The unit digit in the product $(327)^{173}$ is :

(A) 9	(B) 7
(C) 1	(D) 3



ANSWER KEY

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

