MARUTHI SCHOOL OF BANKING PRELIMINARY TEST - II

Duration: 1hr

REASONING

Directions (Q. 1-5): Study the following information carefully and answer the given questions:

D, E, F, H and I are seated in a circle facing the centre. A, B and C are also seated in the same circle but two of them are not facing the centre. F is second to the left of C. E is third to the right of A. B is third to the left of D, who is immediate neighbour of H and I. C is second to the right of D and third to the right of B.

1. Which of the following pairs is not facing the centre?

5. None of these

2. What is the position of D with respect to F?

1. Second to the right 2. Third to the left

3. Fifth to the right

4. Can't be determined 5. None of these

3. Who among the following is second to the left of B?

1. A 2. H

4. Either H or I

4. BD

5. None of these

4. If H is on the immediate right of E then what is H's position with respect to C?

1. Third to the left

2. Third to the right

3. Immediate right

4. Can't be determined 5. None of these

5. Which of the following is/are the possible position(s) of I with respect to A?

1. Fourth to the right 2. Second to the left 3. Fourth to the left

4. Only 1 and 35. All of the above

Directions (Q. 6-10): In these questions, a relationship between different elements is shown in the statement(s). The statements are followed by two conclusions. Give answer

1. if only conclusion I is true. 2. if only conclusion II is true. 3. if either conclusion I or II is true.

4. if neither conclusion I nor II is true. 5. if both conclusions I and II are true. **6. Statements:** $A > B \ge C < D, C = E > G$

Conclusions: I. D > EII. B > G

7. Statements: $P \le Q > M \ge N$, Q = S

Conclusions: I.S > PII. N < S

8. Statement: S > M = Z > T < Q > VConclusions: I. V = SII. Q > M

9. Statement: $T < U = V \le S > P \ge Q$

Conclusions: I. S > TII. $V \ge 0$

10. Statements: $M \ge N > R > W$, $E = J > L \ge W$

Conclusions: I. E >W II. M > L

Directions (O. 11-15): In each question below are given two/three 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 with commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts. Give answer

1. if only conclusion I follows. 2. if only conclusion II follows.

3. if either conclusion I or II follows. 4. if neither conclusion I nor II follows.

5. if both conclusions I and II follow,

(11-13):Statements: Some boards are black.

> No black is a pen. All pens are caps.

11. Conclusions: I. Some boards are caps.

II. Some caps are not pens.

I. Some caps are not black. 12. Conclusions:

II. Some boards are not pens.

All divans are chairs. 13. Statements:

Some chairs are tables.

Conclusions: I. Some tables are chairs.

II. Some divans are tables.

(14-15):Statements: All circles are walls.

All walls are triangles. Some doors are triangles.

14. Conclusions:	I. At least some triangles are circles.II. At least some walls are doors.				
15. Conclusions:	I. All triangles being circles is a possibility.II. All walls being doors is a possibility.				
lighter than only B. M	are five friends each is heavier than only T.	of them having Who among the	a different we following is	veight. R is heaving at the third position	er than M and T but on according to their
weights? 1. R	2.M	3.D	4.T		5.None of these
	letters are there in the the English alphabetica 2.One		TION each o		nny letters between 5. More than three
	From the left end in a rogirls are there between 2.One			•	5. None of these
19. Four of the followi belong to that group?	ng five are alike in a ce	ertain way and so	form a grou	p. Which is the on	e that does not
1.Garlic	2. Sesame	3. Mustard	4.Ol	ive	5.Corn
20. In a certain code la language?	nguage JANUARY is v	written as ZSBT	OBK. How is	S OCTOBER writt	en in that code
1.SFCPUDP	2.SFCNUDP	3.SCFNDUP	4.FS	CNUDP	5. None of these
Directions (Q. 21-25). Study the following information carefully and answer the given questions: A man has six sons U, V, W, X, Y and Z, who stay in four metro cities. They work in different companies, viz Infosys, Tech Mahindra, Tata, Nike, Walmart and Titan but not necessarily in the same order. X stays in Mumbai and works with Nike. Those who stay in Kolkata work with Tech Mahindra and Walmart. One of the two Mumbaikars works with Titan. The one who works with Infosys lives in Chennai. Z does not live in Chennai. U works with Tata. V works with Tech Mahindra. Y works with Walmart. 21. Who among the following works with Infosys? 1. U 2. W 3. X 4. Y 5. None of these					
22. Which of the follows 1. XY	wing pairs lives in Kolk 2. ZX	cata? 3. VY	4. W	⁄U	5. None of these
23. Z works with whic 1. Walmart	h of the following comp 2. Titan	panies? 3. Tata	4. C	an't be determined	15. None of these
24. In which of the following 1. Delhi	lowing metros does W l 2. Chennai	live? 3. Kolkata	4. C	an't be determined	15. None of these
25. Which of the following combinations is true? 1. V - Mumbai - Walmart 2. Z - Kolkata - Walmart 3. Y - Delhi - Titan 4. W - Chennai – Infosys 5. None					
Directions (Q. 26-30): Each of the questions below consists of a question and two statements numbered land H given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give answer 1. If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient to answer the question. 2. If the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question. 3. If the data either in statement I alone or in statement II alone are sufficient to answer the question. 4. If the data in both the statements I and II together are not sufficient to answer the question. 5. If the data in both the statements I and II together are necessary to answer the question. 26. How is R related to N? I. R is son of M, whose daughter is mother of N. II. M is father of R and S is mother of N.					
	mong A, B, C, D and E D. C is taller than B bu		II. E is taller	than only A and I	D. C is as tall as E.

28. In which direction was P facing after he stopped walking? I. P walked 12m towards west, took a left turn and walked 10m. He again took a left turn and stopped after 15m. II. P walked 15m towards east, took a right turn and walked 12m. Then he took a left turn and stopped after walking 8m.						
	J are sitting in a circle, Vight of Q, who is third t		ate left of P? ts second to the right of	P and opposite S.		
I. '95@' means 'flowe	nd for in a code languag r is red' and '\$@9' mea blood cell' and '\$@6' m	ans 'red colour flower'				
Directions (Q. 31-35): Study the following information to answer the given questions: Ten persons are sitting in two parallel rows containing five persons each, in such a way that there is an equal distance between adjacent persons. In row-I R, S, T, U and V are seated (but not necessarily in the same order) and all of them are facing north. In row-2 F, G, H, I and J are seated (but not necessarily in the same order) and all of them are facing south Therefore, in the given seating arrangement each member seated in a row faces another member of the other row. T sits third to right of the person who faces F. Only two persons sit between F and I. The person who faces U sits on the immediate left of H. Only one person sits between H and J. The one who faces G sits second to the right of R. H does not face V. 31. Which of the following groups of persons represents the persons sitting at extreme ends of both the rows? 1. F, J, U, R 2. I, F, V, S 3. J, I, V, T 4. H, G, T, R 5. F, G, T, U						
32. Who among the foll 1. I	llowing sits on the imm 2. H	ediate right of the perso 3. J	on who faces R? 4. F	5. G		
 33. Which of the following is true regarding G? 1. V is an immediate neighbour of the person who faces G. 2. J sits second to the right of G. 3. Both H and I are immediate neighbours of G. 4. Only two persons sit between G and I. 5. None of the given options is true 						
34. Which of the follow 1. J faces one of the im 3. None of the given on	wing is true with respect nmediate neighbours of ptions is true.	S. 2. J is an imme	on? ediate neighbour of I. ly between S and T.	5. F faces U.		
35. Who among the foll 1. G	llowing faces S? 2. H	3. J	4. I	5. F		
QUANTITATIVE APTITUDE						
what is its cost price?	20% discount and the d	ealer still gets 20% pro	fit. If the tag price of the			
1.₹600	2.₹750	3.₹800	4. ₹850	5. None of these		
37. How long will an 8 1. 17.8 sec	30 m long train travellin 2. 18.4 sec	g at 30 kmph take to cro 3. 19.2 sec	oss a bridge whose leng 4. 20.5 sec	th is 100m? 5. 21.6 sec		
38. 3/7 of a number ex 1. 42	ceeds its one-fourth by 2. 56	10. What is the number 3. 70	? 4. 84	5. 28		
39. A person spent 409 saved the remaining ar 1. ₹8000	% of his monthly salary mount. If he saves ₹486 2. ₹9000	on house rent and 25% 00 annually then what i 3. ₹10000	of the remaining salary s his monthly salary? 4. ₹12000	on food and he 5. ₹15000		
40. What is the average 1. 452	e of the following set of 2. 454	scores? 189, 276, 312, 3. 456	447, 581, 613, 774 4. 456	5. 462		
41. An amount is given at an interest of 8% p.a. What is the amount if the difference of compound and simple interest for 2 years is ₹352? 1. ₹55000 2. ₹50000 3. ₹45000 4. ₹40000 5. ₹35000						
	s and 20 papers is ₹416. 2. ₹540			5. ₹640		

43. 5 men and 4 women together earn <5/1 and 3 men and 6 women together earn 483. Then what is the wage of 8 men and 8 women?						
8 men and 8 women? 1.₹864	2.₹884	3.₹904	4. ₹924	5.₹942		
Directions (Q 44-48) 44. 25% of 960 + 55%		e place of question mark	k (?) in the following qu	estions?		
1. 689	2. 647	3. 650	4. 699	5. None of these		
$45. (81)^5 \times (729)^4 \div (91)^4 \times (91)^$	$(9)^7 = (9)^?$ 2. 12	3. 15	4. 17	5. None of these		
46. 33858 ÷ 33 ÷ 18 = 1. 57	= ? 2. 5.7	3.75	4. 47	5. None of these		
47. 6.5 × 7.5 × 8.5 × 9.1. 20	? = 16575 2. 40	3. 604	4. 80	5. 120		
48. ? / 441 = 16/? 1. 72	2. 84	3. 96	4. 108	5. 124		
		of A and B is 32 years.	If 6 years ago their ages	were in the ratio of		
3:1, then what is the 1.22 years	2. 24 years	3. 28 years	4. 30 years	5. 32 years		
50. A certain number	of men can do a piece of	of work in 40 days. If th	ere had been 8 men mo	re it could have been		
finished in 5 days less 1. 48 men	s. Find the number of m 2. 56 men	3. 60 men	4. 64 men	5. 72 men		
51. An amount was d	istributed among A, B a	and C in the ratio of 7:	11:16. If A received ₹4	1986 less than C, then		
what was the share of 1. ₹3878	EB? 2.₹6094	3.₹7212	4.₹8416	5.₹8864		
52. On ₹3000 invested at a simple rate of interest 4% per annum, 600 is obtained as interest in a certain number of years. In order to earn ₹2000 as interest on ₹5000 in the same number of years, what should be the rate of						
simple interest? 1.7%	2.8%	3.6%	4. 5%	5. None of these		
53. 8 men can complete a piece of work in 12 days, 4 women can complete the same piece of work in 48 days and 10 children can complete that piece of work in 24 days. In how many days can 10 men, four women and 10 children together complete the work?						
1. 12 days	2. 15 days	3. 6 days	4. 8 days	5. None of these		
54. A circle and a rectangle have the same perimeter. The sides of the rectangle are 14 cm and 30 cm. What is the area of the circle?						
1. 312 cm ²	2. 1218 cm ²	3.456 cm^2	4. Can't be determine	5. None of these		
55. If the numerator of a fraction is increased by 250% and the denominator of the fraction is increased by 400% the resultant fraction is 7/19. What is the original fraction?						
1. 9/5	2. 5/9	3. 10/19	4. 7/19	5. None of these		
56. In how many way 1. 744	vs can a committee cons 2. 612	isting of 5 men and 6 w 3.778	romen be formed from 8 4. 628	men and 12 women? 5. None of these		
57. In how many diffe 1. 1680	•	rs of the word INDIGO 3. 2520	be arranged? 4. 840	5. 1260		
	2. 360	3. 2320				
			uare whose side is equa	l to the radius of this		
58. A circumference circle? 1. 49 cm ²			uare whose side is equal 4. 589 cm ²	1 to the radius of this 5. 35.2 cm ²		
circle? 1. 49 cm ²	of a circle is 132 cm. W 2. 529 cm ²	that is the area of the square 3. 441 cm ²	_	5. 35.2 cm ²		

60. Three pipes A,B and C can fill a tank in 4 hours. After working together for 2 hours, C is closed, and A and B fill the tank in 10 hours. Then how much time will C alone take to fill the tank? 1. 4 hours 5. 12 hours 2. 5 hours 3. 8 hours 61. The average age of six students of a class was 17.5 years. When one student left the class the average age became 16 years. What is the age of the student who left the class? 1. 15 years 2. 20 years 3. 24 years 4. 25 years 5. None of these 62. A person purchased an item and sold it at a loss of 15%. Had he bought it for 25% less and sold it for ₹117 more, he would have earned a profit of 35%. What is the cost price of the item? 5. ₹840 63. A man travels 420 km in 5 hours partly by train and partly by car. Had he travelled all the way by train he would have saved \(^3\)4 of the time he was in car and would have arrived at his destination 2 hours early. Find the distance he travelled by car. 2.90.69 3.93.34 4.96.71 1.89.72 5.98.54 64. In a test consisting of 80 questions carrying one mark each, Latha answered 65% of the first 40 questions correctly. What percent of the other 40 questions does she need to answer correctly to score 75% on the entire test? 1.40% 2.75% 3.60% 4.85% 5. None of these 65. A, B, C and D are four consecutive even numbers and their average is 65. What is the product of A and D? 1.4092 2, 4352 3.4216 4. 3968 5. None of these **Directions (Q 66-70):** Study the following bar graph carefully and answer the questions that follow The number of Students taking admission from three different cities in Delhi University between 2009 and 2013 120 100 80 Delhi 50 ■ Patna Mumbar 40 20 0 2009 2010 2011 2012 2013 66. What is the difference between the number of students from Patna in 2011 and that from Mumbai in 2012? 3.32000 4, 30000 1, 22000 2, 20000 5, 25000 67. The number of students taking admission in Delhi University in 2013 is what percent more than that in 2009? 1.70.2% 2.60% 3. 76.66% 4. 66.66% 5. 55% 68. What is the ratio of the number of students taking admission in 2010 to that in 2012? 1.6:5 2.4:33.2:55.7:269. What is the average number of students taking admission during the given five years? 1. 134000 2. 194000 3. 164000 5. 184000 4. 154000 70. From which city is the number of students maximum during the given five years?

4. Patna and Mumbai

5. Delhi and Patna

3. Delhi

1. Patna

Mumbai

GENERAL ENGLISH

Directions (Q. 71-75): Which of the phrases 1), 2) 3) and 4) given below each statement should replace the phrase printed in bold in the sentence to make it grammatically correct? If the sentence is correct as it is given and 'No correction' is required mark 5) as the answer.

71. There was something I needed to do today but it totally slipped from my mind

1. it got totally slipped off mind

2. it was slip of mind

3. it slipped from mind

4. it totally slipped my mind

5. No correction required

72. If that's the case, you'd better stop talking and get back to the grind.

1. back the grind

2. back for grinding

3. back into grind

3. get on the points

4. back after grinding

5. No correction required

73. If you can just **get the point** maybe I can help yon.

1. get to the point

2. getting the point

4. get at the point

5. No correction required

74. My wife is **under weather**, so I need to get home early today. 1. in the weather

2. by the weather

3. under the weather

4. in weather

5. No correction required

75. I know that you're sad, its written over your face.

1. it's written on your face

2. it's written at your face

3. it's written all over your face

4. its written in your face

5. No correction required

Directions (Q. 76-80): Read the following passage carefully and answer the questions given below it. Certain words/phrases in the passage are printed in bold to help you locate them while answering some of the questions.

Irrigation poses the greatest challenge for a farmer since water availability needs to be there almost throughout the year. Monsoon failure means fall in yield and farmers are the direct sufferers when the rains are inadequate.

"Especially in a country like India, the unseasonal and unpredictable weather, especially when it turns into droughts, forces agriculture scientists and farmers to think of alternative simple and effective solutions to overcome the crises," says Dr IS Tomar, Programme Coordinator, Krishi Vigyan Kendra, Indian Council of Agriculture Research (ICAR) near Raigarh Naka, Jhabua.

One case study that has been quite popular is use of discarded plastic saline bottles for irrigation by farmers in Jhabua district in Madhya Pradesh. Basically a tribal- dominated dry region, agriculture is the main source of livelihood for the people there. Maize, blackgram, soyabean, wheat, and cotton are normally grown.

To enhance income of the farmers of the area, an attempt was made to introduce improved vegetable cultivation under National Agricultural Innovation Sub Project called Integrated Farming System for Sustainable Rural Livelihood in **undulating** and rainfed areas.

Mr Ramash Bariya, a small farmer from the village, started growing vegetables under this project guidance in a small area. He got a good profit initially and this encouraged him to start growing some gourd varieties like bitter and sponge gourds. He prepared a small nursery for raising the seedlings but faced acute water shortage due to delayed monsoon.

Worried, he discussed with NAIP project scientists, who advised him to adopt an innovative irrigation technique using waste saline bottle.

"We wanted to try out this method in the farmer's field since it is quite cheap and effective and farmers who cannot financially afford big drip systems can try this. But farmers should realize that it requires labour and patience," says Dr Tomar.

In this technique, the bottom portion of the bottle is removed using a **sharp** knife and the bottle filled with water. It is hung upside-down from a stake next to the sapling in the field. The plastic tube with the nozzle is made to touch the ground near the plant root.

Instead of allowing water to be irrigated through the channels in the field or pouring it on the crop with a bucket, water starts dripping on the soil surface making the root zone wet, thereby supplying moisture continuously to the crop.

The plastic control knob in the middle of the tube can be adjusted to control the drip. The farmer purchased about 350 bottles from a waste paper mart and started using them for his cultivation. His entire family used to help him in filling the bottles with water.

"I have been able to get a net profit of 15,200 from less than a hectare till date by using this method for my vegetables," says the farmer.

The state agriculture department conferred an achievement award on him for adopting this simple yet effective method to overcome water shortage.

Many others in the surrounding areas have also started adopting this method for their crops.

According to Dr Tomar, this type of irrigation is quite popular in African countries like Kenya. Many American farmers are also using this system to grow their kitchen gardens.

But in India it is not popular. The reason could be that it is time-consuming and labour-intensive.

Though today there are several government schemes and subsidies available to install a full-fledged drip irrigation system, the paperwork involved is quite laborious and delays cultivation work.

- 76. Which of the following is the characteristic feature of Indian agriculture? Give your answer in the context of the passage.
- 1. Agriculture is amongst the fastest-growing industries in India.
- 2. India is amongst the top three global producers of many crops, including wheat, rice, pulses and vegetables.
- 3. Farmers in India largely depend on monsoon.
- 4. Scientific research and development has reduced farmers' dependence on monsoon.
- 5. The average size of land holding is very small.
- 77. Why do agriculture scientists in India carry out scientific research?
- 1. To compete with agricultural productivity across the world
- 2. To face unseasonal and unpredictable weather in India
- 3. To satisfy an urge to help farmers and encourage them for more production
- 4. Due to pressure created by the Central government
- 5. All the above
- 78. According to the given passage, which of the following is true about Jhabua district in Madhya Pradesh?
- 1. It is a tribal-dominated region.
- 2. Agriculture is the main source of livelihood of the people living over there.
- 3. It is basically a humid region.
- 4. Only 1 and 2
- 5. All 1, 2 and 3
- 79. Which of the following is not true about waste saline water irrigation technique?
- 1. It is an effective irrigation technique.
- 2. It is helpful for such farmers as are not financially strong enough to afford big drip system.
- 3. It requires a lot of labor and patience.
- 4. This technique is quite popular in some of the African countries. 5. None of these
- 80. What, according to the given passage, is/are the main hindrance in the way of adopting waste saline water irrigation technique in India?
- 1. It is a time-consuming and labor-intensive technique.
- 2. Waste saline water bottles are not readily available.
- 3. This technique is not effective in dry regions.
- 4. Waste saline water bottles are fragile and brittle.

5. All the above

Directions (Q. 81-83): Choose the word/group of words which is **MOST SIMILAR** in meaning to the word/group of words printed in bold as used in the passage.

81. Overcome 1. vanquish	2. exceed	3. solve	4. break	5. rebut
82. Undulating 1. uprooting	2. bouncing	3. twisted	4. apathetic	5. wavy
83. Discarded I. dismissed	2. costly	3. Cheap	4. empty	5. rejected

Directions (Q. 84-85): Choose the word/group of words which is **MOST OPPOSITE** in meaning of the word/group of words printed in bold as used in the passage.

84. Sharp l. dull	2. blunt	3. flat	4. slow	5. fine
85. Enhance l. amplify	2. exalt	3. augment	4. diminish	5. Enlarge

sentence meaningfully		ective word from the give	en words to fill in the b	olank to make the
		eight, he was sure he wa	ast	to pursue a career in
1. assured	2. meant	3. dreamt	4. reduced	5. declined
87. If honesty, humilit learn from.	y, hope and power	Sachin Tendu	ılkar, then his era is sor	nething we should
1. marks	2. reflects	3. figures	4. proposes	5. symbolize
88. The promise of a n	new Nepal seems to be	on the retreat, with the I	Maoists losing people's	goodwill and
		emocratic nation under a 3. squandering		5. extorting
89. The author fairly r. 1. grim	ecords the 2. stem	realities which faced 3. trim	the man. 4. baseless	5. welcome
90. The deal signed in month, but was under	November could have mined at the	been clinched easily wh hour by France.	nen Iran met in Geneva	
1. beginning	2. end	hour by France. 3. twelfth	4. eleventh	5. first
sequence to form a med. It is a conscious trans. It is an attempt to since the constitution of the following	caningful paragraph and ining of the young for thape the development of the basic activities in a second development of social her into another and where the socialization. wing should be the TH 3.C wing should be the LA 3.A wing should be the FO 3.D wing should be the FIF 3.B wing should be the SEC	ned as the process when by the child learns the re itage. IRD sentence after rear 4.D 5.E ST (SIXTH) sentence a 4.C 5.D URTH sentence after re 4.B 5.A SST sentence after rearr	ons given below. alt roles. In in accordance with the reby the social heritage ules of social behaviour rangement? after rearrangement? carrangement?	e social ideals of life. of a group is passed
numbers are printed be appropriately. Find ou There was a n sent them each on a (6 the winter, the second gone and come back, I bent, and twisted. The disagreed; he said it withing he had ever seen life and fulfillment. Tone season in the tree'	elow the passage and age that the appropriate word in an who had four sons. (1) in turn, to go and look in the spring, the thing the called them together as laden with blossoms. The last son disagreed the man then (64) to his is life. He told them that and the pleasure, joy	age there are blanks, eargainst each, five words are each case. He wanted his sons to be at a pear tree that ward in summer, and the sto (62) what they had so It was covered with grathat (63) so sweet and with all of them; he says sons that they all were at you cannot judge a transport, and love that comes from 3. expedition 3. maintain 3. color 3. reprimanded 3. tree	learn not to judge thin is a great distance away. youngest son in autumneen. The first son said teen buds and full of prolooked so beautiful, it will it was ripe and droop e right, because they have, or a person, by only	gs too quickly. So he The first son went in n. When they had all hat the tree was ugly, omise." The third son was the most graceful ping with fruit, full of ad each seen but only one season, and that