http://isbigdeal.blogspot.com

ICET - 2004 PAPER

(BASED ON STUDENTS MEMORY)

Time: 2 Hours]

SECTION - A ANALYTICAL ABILITY

Questions: 75

|Marks: 75

DATA SUFFICIENCY

Note: In questions numbered 1 to 20, a question is followed by data in the form of two statements labelled as 1 and 11. You must decide whether the data given in the statements are sufficient to answer the question. Using the data make an appropriate choice from (1) to (4) as per the following guidelines:

- a) Mark choice (1) If the statements I alone is sufficient to answer the question;
- b) Mark choice (2) If the statements II alone is sufficient to answer the question;
- c) Mark choice (3) If both the statements I and II are sufficient to answer the question but neither statement alone is not sufficient;
- d) Mark choice (4) If both the statements I and II together are not sufficient to answer the question and additional data is required.
- For given integers a and b, can we find integers x and y such that ax + by = 1?

1) a = 75, b = 120 II) a = 286, b = 105

2. Let a and b be positive real numbers, is a > 1?

I) $\frac{1}{a} + \frac{1}{b} = 1$ II) a + b > 1

3. What is $a_1 + a_2 + a_3 + a_4 + a_5$? ()

II) a, a, a, a, a, a are consecutive even integers

1) $A = \begin{bmatrix} a & b \\ c & d \end{bmatrix} \neq \begin{bmatrix} 0 & 0 \\ 0 & 0 \end{bmatrix}$

II) $A = \begin{bmatrix} a & b \\ c & d \end{bmatrix} \neq \begin{bmatrix} x & y \\ z & t \end{bmatrix} = \begin{bmatrix} 1 & 0 \\ 0 & 1 \end{bmatrix}$

5. $(a + b + c) \left[\frac{1}{a} + \frac{1}{b} + \frac{1}{c} \right]$? 1) $a^2 + b^2 + c^2 > 0$ II) a > 0, b > 0, c > 0 () [Max. Marks : 200 6. What is the value of (a - b)²?

I) a + b = 5 II) ab = 3

7. Is there a term independent of x in the expansion of $\left[x + \frac{1}{x^2}\right]^n$?

1) n = 3k, k is a positive integer

II) n is an odd positive integer

8. What is the equation of the straight line ?()

I) Its slope is $\frac{1}{2}$

II) It is parallel to the line x - 2y + 8 = 0

9. Are the positive integers and b relatively prime?

I) There is a prime number dividing both a and b
II) The L.C.M. of and b is 24

10. What is the value of $a^3 + b^3 + c^3 - 3abc$?

I) a = b II) c = 0

11. What is the present age of A?

 Father of A was born on the 25th anniversary of India's Independence

Il) A was born on the 25th birthday of his father

12. For real numbers a_1, a_2 is $\left[a_1 + \frac{1}{a_1}\right] \left[a_2 + \frac{1}{a_2}\right] \ge 4$?

[) $a_1 a_2 > 0$

 $(11) a_1 + a_2 = 1$

13. What is the set A?

I) $A - B = \{1, 2, 3\}$ II) $B = \{4, 5\}$

14. Is an integer a divisible by 36?

1) a is a multiple of 18

II) a is a multiple of 12

15. Let f(x) be a polynomial. Is "r" a root of f(x)?

1) r is root of f(x)

16. A bag contains balls of which some are white, some are green, some are red and some are blue. What is the fraction of green balls?

I) 1/2 of the balls are red

II) $(x-r)^2$ is a factor of f(x)

II) 1/4 of the balls are white and 1/5 of the balls are blue

nttp://ispigaeai.piogspot.com

17. n - 1 _C , + n - 1 _C , + n _C 1) n is a positive real number 11) n is an integer greater than 7 18. Is \(\frac{n}{3} + 3n^2 + 2n \) an integer ? 1) n is an integer 19 n is a positive rational number 19. For real number a, b is a > b ? 1) b > 0 20. What is the area of the circular field ? () 1) The total cost of fencing around the field is R.S.10,000 11) The cost of fencing per meter is Rs.100 10) T			_	
1) n is a positive real number 1) n is an integer greater than 7 18. Is 18 18 3 3 3 3 3 3 3 3 3		17. $n-1_{C_1}+n-1_{C_2}+n_{C_3}$ ()	29.	
11) n is an integer greater than 7 18. Is \(\frac{n}{3} + \frac{3n^2 + 2n}{3} \) an integer ? () 1) n is an integer 11) n is an integer 11) n is a positive rational number 19. For real number a, b is a > b ? () 1) a² > b² 11) b > 0 20. What is the area of the circular field? () 1) The total cost of fencing around the field is Rs.10,000 11) The cost of fencing per meter is Rs.100 PROBLEM SOLVING n a code, each letter in English alphabet is shifted forward to five place cyclically, that is A = F, B = G,, U = Z, V = A, W = B,, Z = E. The reverse of this process is used for decoding, Based on this coding and decoding processes answer questions 21 to 30. 1) RFYMZ 2) RFYMX 3) RFYMS 4) RFXMY 23. What is the code word for ICET? () 1) NH KZ 2) NH KY 3) NHJX 4) NHJY 24. What is the code word for EXAM? () 1) GFS 2) JGFR 3) JUTY DV 2) DJYDU 20, DJYDU 3) DJYDV 2) DJYDU 20,				
18. Is			-	
18. Is 1 + 3h + 2h 3 an integer ()	1-		30.	
1) n is an integer 1) n is a positive rational number 19. For real number a, b is a > b ? () 1) a² > b² 11) b > 0 20. What is the area of the circular field? () 1) The total cost of fencing around the field is Rs.10,000 11) The cost of fencing per meter is Rs.100 PROBLEM SOLVING In a code, each letter in English alphabet is shifted forward to five place cyclically, that is the steed for decoding. Based on this coding and decoding processes answer questions 21 to 30. 1) G Z X X N T J X X 2 Q R Z Y X N S K X X 3 G Z X X N S J X X 4 Q G Z Y Y N T J Y Y 2 23. What is the code word for ICET? () 1) N H K Z 2 N H K Y 3 N H J X 4) N H J Y 24. What is the code word for EXAM? () 1) J CFS 2) J CFR 3 J CFT 4 J J CFQ 25. What is the code of PRIMARY? () 1) D J Y D V 2 D J Y D U S 3 D J Y D V 4 D J Y D W 27. Which word is coded as NEXT? () 1) 1 Z S P 2) 1 Z S O	1.	$n^3 + 3n^2 + 2n$,
1) n is an integer 11) n is an integer 11) n is a positive rational number 19. For real number a, b is a > b? () 1) a² > b² 11) b > 0 20. What is the area of the circular field? () 1) The total cost of fencing around the field is Rs.10,000 11) The cost of fencing per meter is Rs.100 PROBLEM SOLVING In a code, each letter in English alphabet is shifted forward to five place cyclically, that is A ⇒ F, B ⇒ G,, U⇒ Z, V ⇒ A, W ⇒ B,, Z⇒ E the reverse of this process is used for decoding. Based on this coding and decoding processes answer questions 21 to 30. 21. The code for MATHS is 1) R F Y M Z 2) R F Y M X 3) R F Y M S 4) R F X M Y 22. The code for BUSSINESS is () 1) G Z X X N T J X X 2) G Z X X N S K X X 3) G Z X X N S J X X 4 4 N T J X 2 2) C T X N K X X 3 3 G Z X X N S J X 3 4 4 N T J X 2 2) C F R 3) J CFT 4) J CFQ 25. What is the code word for EXAM? () 1) U W N R F W D 2) U W N R F X D 3) U W M R F W D 4) U W N S F W D 26. Which word is coded as NEXT? () 1) 12 S P 2) 12 S O 20 (2, -1) 10 C 2, -1] 10 C 2, -1] 12 S P 2) 12 S O 10 (1, 2) 2) (-2, -1] 10 (1, 2) 2) (-2, -1] 10 (1, 2) 2) (-2, -1] 10 (1, 2) 2) (-2, -1] 10 (1, 2) 2) (-2, -1] 10 (-2, -1) 10	1 '	an integer?	21	
11) n is a positive rational number 19. For real number a, b is a > b ? () 1) a² > b² 11) b > 0 20. What is the area of the circular field? () 1) The total cost of fencing around the field is Rs.10,000 11) The cost of fencing per meter is Rs.100 11) The cost of fencing per meter is Rs.100 12 13 15 15 15 15 15 15 15	1	I) n is an integer	31.	What is the least positive integer n such that $8^2 + n^2 + 6^2$ is a perfect cube ?
19. For real number a, b is a > b ? () 1) a² > b² II) b > 0 20. What is the area of the circular field? () 1) The total cost of fencing around the field is Rs.10,000 II) The cost of fencing per meter is Rs.100				And the second s
1) a² > b² 11) b > 0	1-		32.	
1) 09:40 hrs. 2) 08:30 hrs. 3) 10:30 hrs. 4) 09:30 hrs. 4) 09:30 hrs. 4) 10:30 hrs. 4	Ι.		1	What is the actual time?
1) The total cost of fencing around the field is Rs.10,000 II) The cost of fencing per meter is Rs.100	1-			
Rs.10,000 II) The cost of fencing per meter is Rs.100 PROBLEM SOLVING In a code, each letter in English alphabet is shifted forward to five place cyclically, that is A ⇒ F, B ⇒ G,, U ⇒ Z, V ⇒ A, W ⇒ B, Z ⇒ E. The reverse of this process is used for decoding. Based on this coding and decoding processes answer questions 21 to 30. In the code for MATHS is () 1) R F Y M Z 2) R F Y M X 3) R F Y M S 4) R F X M Y 22. The code for BUSSINESS is () 1) G Z X X N T J X X 2) G Z X X N S K X X 3) G Z X X N S J X X 4) G Z Y Y N T J Y Y Y X 23. What is the code word for ICET? () 1) N H K Z 2) N H K Y 3) N H J X 4) N H J Y 24. What is the code word for EXAM? () 1) J CFS 2) J CFR 3) J CFT 4) J CFQ 25. What is the code of PRIMARY? () 1) U W N R F W D 2) U W N R F X D 3) U W M R F W D 4) U W N S F W D 26. Which word is coded as KARGIL? () 1) F V M B E G 2) F V M B D J 3) F V M B D H 4) F V M B D G 30 U S C R S V M B D J 3) F V M B D H 4) F V M B D G 30 U S C R S V M B D J 3) F V M B D H 4) F V M B D G 30 U S C R S V M B D J 3) F V M B D H 4) F V M B D G 30 U S C R S V M B D J 3) F V M B D D J Y D W 3) F V M B D H 4) F V M B D G 30 U S C R S V M B C C R S V M B C C R S V M B C C R S V M B C C R S V M B D J 3) F V M B D D G 30 U S C C C R S V M B D J 3) F V M B D D G 30 U S C C C C C C C C C C C C C C C C C C	1 2	The second section of the second seco		3) 10:30 hrs. 4) 09:30 hrs.
II) The cost of fencing per meter is Rs.100 PROBLEM SOLVING In a code, each letter in English alphabet is shifted forward to five place cyclically, that is shifted forward to five place cyclically, that is A ⇒ F, B ⇒ G,, U ⇒ Z, V ⇒ A, W ⇒ B,, Z ⇒ E. The reverse of this process is used for decoding. Based on this coding and decoding processes answer questions 21 to 30. 21. The code for MATHS is () 1) R F Y M Z 2) R F Y M X 3) R F Y M S 4) R F X M Y 1) East 2) West 3) G Z X X N T J X X 2) G Z X X N S K X X 3) G Z X X N S J X X 4) G Z Y Y N T J Y Y 23. What is the code word for ICET? () 1) N H K Z 2) N H K Y 3) N H J X 4) N H J Y 24. What is the code word for EXAM? () 1) J CFS 2) J CFR 3) J CFT 4) J C FQ 25. What is the code of PRIMARY? () 1) U W N R F W D 2) U W N R F X D 3) U W M R F W D 4) U W N S F W D 26. Which word is coded as INDIA? () 1) F V M B E G 2) F V M B D G 3) I Z S P 2) I Z S O 1) (1, 2) 2) (-2, -1) 1) (1, 2) 2) (-2			33.	If the last day of March is Wednesday, the day
PROBLEM SOLVING In a code, each letter in English alphabet is shifted forward to five place cyclically, that is shifted forward to five place cyclically, that is A ⇒ F, B ⇒ G, U ⇒ Z, V ⇒ A, W ⇒ B, Z ⇒ E. The reverse of this process is used for decoding, Based on this coding and decoding processes answer questions 21 to 30. 21. The code for MATHS is () 1) R F Y M Z 2) R F Y M X 3) R F Y M S 4) R F X M Y 22. The code for BUSSINESS is () 1) G Z X X N T J X X 2) G Z X X N S K X X 3) G Z X X N S J X X 4) G Z Y Y N T J Y Y Y 23. What is the code word for ICET? () 1) N H K Z 2) N H K Y 3) N H J X 4) N H J Y 24. What is the code word for EXAM? () 1) J C F S 2) J C F R 3) U W M R F W D 4) U W N S F W D 3) U W M R F W D 4) U W N S F W D 3) U W M R F W D 4) U W N S F W D 20. U W N R F X D 3) D I Y D V 2) D J Y D U 3) D I Y D V 4) D J Y D W 227. Which word is coded as KARGIL? () 1) F Y M B D G 2) F Y M B D J 3) F Y M B D H 4) F Y M B D G 20. Which word is coded as NEXT? () 1) I Z S P 2) I Z S O 3. The reseated in a circle facing the centre. D is between F and B, A is second to the right of the tothe left of D and second to the right of the toe they are seated in a circle facing the centre. D is between F and B, A is second to the right of the toe they for D and second to the right of the toe they are seated in a circle facing the centre. D is between F and B, A is second to the right of the toe they for D and second to the right of the toe they for D and Second to the right of the toe they for D and Second to the right of the toe they for D and Second D and E is an are range of B and C is 40 meters South-West of B. Then C is in which direction of A? 1) East 2) West of B and C is 40 meters South-West of B and C is 40 meters South-West of B. Then C is in which				on which the month starts is:
1. a code, each letter in English alphabet is shifted forward to five place cyclically, that is A ⇒ F, B ⇒ G,, U ⇒ Z, V ⇒ A, W ⇒ B,, Z ⇒ E. The reverse of this process is used for decoding. Based on this coding and decoding processes answer questions 21 to 30. 21. The code for MATHS is () 1) R F Y M Z 2) R F Y M X 3) R F Y M S 4) R F X M Y 22. The code for BUSSINESS is () 1) G Z X X N T J X X 2) G Z X X N S K X X X 3) G Z X X N S J X X 4) G Z Y Y N T J Y Y Y 23. What is the code word for ICET? () 1) N H K Z 2) N H K Y 3) N H J X 4) N H J Y 24. What is the code word for EXAM? () 1) J CFS 2) J CFR 3) J CFF 4) J CFQ 25. What is the code of PRIMARY? () 1) U W N R F W D 2) U W N R F X D 3) U W M R F W D 4) U W N S F W D 26. Which word is coded as INDIA? () 1) D J Y D V 2) D J Y D U 3) D J Y D V 4) D J Y D W 27. Which word is coded as KARGIL? () 1) F V M B E G 2) F V M B D J 3) F V M B D H 4) F V M B D G 3) I Z S P 2) I Z S O 10 (1,2) 2 (-2,-1)	-	II) The cost of fencing per meter is Rs.100		, , ,
1		PROBLEM SOLVING		
shifted forward to five place cyclically, that is A ⇒ F, B ⇒ G,			- 34.	A, B, C, D, E, F are seated in a circle facing
A⇒ F, B⇒ G,, V⇒ A, W⇒ B,, Z⇒ E. The reverse of this process is used for decoding. Based on this coding and decoding processes answer questions 21 to 30. 3) C or D 4) E 21. The code for MATHS is (1) R F Y M Z (2) R F Y M X (3) R F Y M S (4) R F X M Y (1) East (2) West (3) South (4) North 22. The code for BUSSINESS is (1) B G Z X X N T J X X (2) G Z X X N S K X X (3) G Z X X N S J X X (4) G Z Y Y N T J Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y		shifted forward to five place making the that is	10	the centre. D is between F and B, A is second
W ⇒ B, Z ⇒ E. The reverse of this process is used for decoding. Based on this coding and decoding processes answer questions 21 to 30. 21. The code for MATHS is () 1) R F Y M Z 2) R F Y M X 3) R F Y M S 4) R F X M Y 5		singled forward to five place cyclically, that is $A \rightarrow F R \rightarrow G \qquad \qquad II \rightarrow 7 V \rightarrow 4$		
3 C or D 4 E				
21. The code for MATHS is ()		is used for decoding Based on this coding and		
21. The code for MATHS is		decoding processes answer questions 21 to 30	35	
1) R F Y M Z 2) R F Y M X 3) R F Y M S 4) R F X M Y 22. The code for BUSSINESS is () 1) G Z X X N T J X X 2) G Z X X N S K X X 3) G Z X X N S J X X 4) G Z Y Y N T J Y Y 23. What is the code word for ICET? () 1) N H K Z 2) N H K Y 3) N H J X 4) N H J Y 24. What is the code word for EXAM? () 1) JCFS 2) JCFR 3) JCFT 4) JCFQ 25. What is the code of PRIMARY? () 1) U W N R F W D 2) U W N R F X D 3) U W M R F W D 4) U W N S F W D 26. Which word is coded as INDIA? () 1) D J Y D V 2) D J Y D U 3) D J Y D V 4) D J Y D W 3) D J Y D V 4) D J Y D W 3) D J Y D V 4) D J Y D W 3) F V M B E G 2) F V M B D J 3) F V M B D H 4) F V M B D G 3) 13 4) 1 28. Which word is coded as NEXT? () 1) I Z S P 2) 1 Z S O 1) (1, 2) 2) (-2, -1) 30. A and B are children of C.B is the mother of D and E is maternal grandmother of D. What is the relation of E to C? () 1) Husband 2) Sister 3) Wife 4) Brother 3) Wife 4) Brother 31 Wife 4) Brother 32 Wife 4) Brother 33 Wife 4) Brother 34 Wife 4) Brother 35 Wife 4) Brother 31 Wife 4) Brother 31 Wife 4) Brother 32 Wife 4) Brother 33 Wife 4) Brother 34 Wife 4) Brother 35 Wife 4) Brother	21.		00.	
3) R F Y M S				
22. The code for BUSSINESS is 1 (1) 1 G Z X X N T J X X 2 (2) G Z X X N S K X X 3 (3) G Z X X N S J X X 4 (4) G Z Y Y N T J Y Y Y 36. A and B are children of C.B is the mother of D and E is maternal grandmother of D. What is the code word for ICET? (1) 1 Husband 2 (1) Sister 3 (1) Husband 2 (1) Sister 3 (1) Husband 2 (1) Sister 3 (1) Wife 4 (1) Brother 24. What is the code word for EXAM? (1) 1 JCFS 2 JCFR 3 JCFT 4 JCFQ 30 JCFT 4 JCFQ 25. What is the code of PRIMARY? (1) 1 JUWNRFWD 2 JUWNRFXD 3 JUWMRFWD 4 JUWNSFWD 30 JUWNRFWD 4 JUWNSFWD 26. Which word is coded as INDIA? (1) 1 JDJYDV 2 JDJYDU 3 JOJYDV 4 JDJYDW 30 JYDV 4 JDJYDW 27. Which word is coded as KARGIL? (1) 1 FVMBEG 2 JFVMBDJ 3 JFVMBDH 4 JFVMBDG 30 JIZSO 28. Which word is coded as NEXT? (1) 1 JZSP 2 J1ZSO 31 South 4 North 3 South 4 North and E is maternal grandmother of D. What is the relation of E to C? (1) In Husband 2 JSister 3 JWife 4 JBrother 30 Wife 4 JBrother 31 Wife 4 JBrother 31 JEFT 4 JCFQ 2 JCFR 3 JUWNRFXD 3 JS 5 JCFT 4 JCFQ 5 JCFQ 3 JS 5 JCFT 4 JCFQ 5 JC				1) East 2) West
1) G Z X X N T J X X 2) G Z X X N S K X X 3) G Z X X N S J X X 4) G Z Y Y N T J Y Y Y Z 3. What is the code word for ICET? () 1) N H K Z 2) N H K Y 3) N H J X 4) N H J Y Z 4. What is the code word for EXAM? () 1) J C F S 2) J C F R 3) J C F T 4) J C F Q 2.1 the present age of a father and son are in the ratio 5:2. If after ten years the ratio becomes 2:1, the present age of the son, in years, is 1) 25 2) 20 () 3) 15 4) 10 31 5 4) 10 31 5 4) 10 31 5 4) 10 31 5 4) 10 31 5 3) U W M R F W D 4) U W N S F W D 4) U W N S F W D 50 J Y D U 50 J	22.			3) South 4) North
3) G Z X X N S J X X 4) G Z Y Y N T J Y Y 23. What is the code word for ICET? () 1) N H K Z 2) N H K Y 3) N H J X 4) N H J Y 24. What is the code word for EXAM? () 1) JCFS 2) JCFR 3) JCFT 4) JCFQ 25. What is the code of PRIMARY? () 1) U W N R F W D 2) U W N R F X D 3) U W M R F W D 4) U W N S F W D 26. Which word is coded as INDIA? () 1) D J Y D V 2) D J Y D U 3) D J Y D V 4) D J Y D W 27. Which word is coded as KARGIL? () 1) F V M B E G 2) F V M B D J 3) F V M B D H 4) F V M B D G 28. Which word is coded as NEXT? () 1) 1 Z S P 2) 1 Z S O and E is maternal grandmother of D. What is the relation of E to C? () 1) Husband 2) Sister 3) Wife 4) Brother 37. The present ages of a father and son are in the ratio 5:2. If after ten years the ratio becomes 2:1, the present age of the son, in years, is 1) 25 2) 20 () 3) 15 4) 10 38. A can run a kilometer in 3 min. 10 sec and B in 3 min. 20 sec. By what distance can A beat B? () 1) 50 mts. 2) 40 mts. 3) 30 mts. 4) 10 mts. 27. Which word is coded as KARGIL? () 1) F V M B E G 2) F V M B D J 3) F V M B D H 4) F V M B D G 28. Which word is coded as NEXT? () 1) 12 2) 19 3) 13 4) 1 29. Which word is coded as NEXT? () 1) 12 2) (-2, -1)			36.	A and B are children of C.B is the mother of D
23. What is the code word for ICET? 1) N H K Z 2) N H K Y 3) N H J X 4) N H J Y 24. What is the code word for EXAM? 1) JCFS 2) JCFR 3) JCFT 4) JCFQ 25. What is the code of PRIMARY? 1) U W N R F W D 2) U W N R F X D 3) U W M R F W D 4) U W N S F W D 26. Which word is coded as INDIA? 1) D J Y D V 2) D J Y D U 3) D I Y D V 4) D J Y D W 3) D I Y D V 3) D I Y D W 3) D I Y D W 3) F V M B D H 4) F V M B D G 28. Which word is coded as NEXT? 1) I Husband 2) Sister 3) Wife 4) Brother 37. The present ages of a father and son are in the ratio 5:2. If after ten years the ratio becomes 2:1, the present age of the son, in years, is 1) 25 2) 20 3) 15 4) 10 38. A can run a kilometer in 3 min. 10 sec and B in 3 min. 20 sec. By what distance can A beat B? () 1) 50 mts. 2) 40 mts. 3) 30 mts. 4) 10 mts. 39. a * b = a³ + b³ - 3ab ((-1)*1) 1 = ? () 1) 12 2) 19 3) F V M B D H 4) F V M B D G 30 31 40. {x∈ R/x²-3 x +2=0} = ? () 1) 1(1, 2) 2) (-2, -1)				and E is maternal grandmother of D. What is
1) N H K Z 2) N H K Y 3) N H J X 4) N H J Y 24. What is the code word for EXAM? 1) JCFS 2) JCFR 3) JCFT 4) JCFQ 25. What is the code of PRIMARY? 1) U W N R F W D 2) U W N R F X D 3) U W M R F W D 4) U W N S F W D 26. Which word is coded as INDIA? 1) D J Y D V 2) D J Y D U 3) D J Y D V 3) D J Y D V 3) D J Y D W 3) D I Y D V 4) D J Y D W 3) D J Y D W 3) F V M B D G 2) F V M B D J 3) F V M B D H 4) F V M B D G 28. Which word is coded as NEXT? 1) I J S P 2) I Z S O 1) Husband 2) Sister 3) Wife 4) Brother 37. The present ages of a father and son are in the ratio 5:2. If after ten years the ratio becomes 2:1, the present age of the son, in years, is 1) 25 2) 20 3) 15 3) 15 4) 10 38. A can run a kilometer in 3 min. 10 sec and B in 3 min. 20 sec. By what distance can A beat B? () 1) 50 mts. 2) 40 mts. 3) 30 mts. 4) 10 mts. 27. Which word is coded as KARGIL? 1) 12 2) 19 3) F V M B D H 4) F V M B D G 3) 13 4) 1 28. Which word is coded as NEXT? 1) (1, 2) 2) (-2, -1)	23.		139	
3) N H J X 4) N H J Y 24. What is the code word for EXAM? () 1) JCFS 2) JCFR 3) JCFT 4) JCFQ 25. What is the code of PRIMARY? () 1) U W N R F W D 2) U W N R F X D 3) U W M R F W D 4) U W N S F W D 26. Which word is coded as INDIA? () 1) D J Y D V 2) D J Y D U 3) D J Y D V 4) D J Y D W 3) D I Y D V 4) D J Y D W 3) D I Y D V 4) D J Y D W 27. Which word is coded as KARGIL? () 1) F V M B E G 2) F V M B D J 3) F V M B D H 4) F V M B D G 28. Which word is coded as NEXT? () 1) I Z S P 2) I Z S O 30. Wife 4) Brother 37. The present ages of a father and son are in the ratio 5:2. If after ten years the ratio becomes 2:1, the present age of the son, in years, is 1) 25 2) 20 () 3) 15 4) 10 38. A can run a kilometer in 3 min. 10 sec and B in 3 min. 20 sec. By what distance can A beat B? () 1) 50 mts. 2) 40 mts. 3) 30 mts. 4) 10 mts. 37. The present ages of a father and son are in the ratio 5:2. If after ten years the ratio becomes 2:1, the present age of the son, in years, is 1) 25 2) 20 () 3) 15 4) 10 38. A can run a kilometer in 3 min. 10 sec and B in 3 min. 20 sec. By what distance can A beat B? () 1) 50 mts. 2) 40 mts. 3) 30 mts. 4) 10 mts. 39. a * b = a³ + b³ - 3ab ((-1)*1) 1 = ? () 1) 12 2) 19 3) 13 4) 1 28. Which word is coded as NEXT? () 1) (1, 2) 2) (-2, -1)				
24. What is the code word for EXAM? 1) JCFS 2) JCFR 3) JCFT 4) JCFQ 25. What is the code of PRIMARY? 1) U W N R F W D 2) U W N R F X D 3) U W M R F W D 4) U W N S F W D 26. Which word is coded as INDIA? 1) D J Y D V 2) D J Y D U 3) D I Y D V 4) D J Y D W 3) D I Y D V 4) D J Y D W 3) D I Y D V 4) D J Y D W 3) S which word is coded as KARGIL? 1) F V M B E G 2) F V M B D J 3) F V M B D H 4) F V M B D G 28. Which word is coded as NEXT? 1) I J S P 2) I Z S O 37. The present ages of a father and son are in the ratio 5:2. If after ten years the ratio becomes 2:1, the present age of the son, in years, is 1) 25 2: 1, the present ages of a father and son are in the ratio 5:2. If after ten years the ratio becomes 2:1, the present age of the son, in years, is 1) 25 2) 20 3) 15 38. A can run a kilometer in 3 min. 10 sec and B in 3 min. 20 sec. By what distance can A beat B? 1) 50 mts. 2) 40 mts. 3) 30 mts. 4) 10 mts. 21 I J S S S S S S S S S S S S S S S S S S			l	3) Wife 4) Brother
1) JCFS 2) JCFR 3) JCFT 4) JCFQ 2:1, the present age of the son, in years, is 1) 25 2) 20 () 25. What is the code of PRIMARY? () 1) U W N R F W D 2) U W N R F X D 3) U W M R F W D 4) U W N S F W D 26. Which word is coded as INDIA? () 1) D J Y D V 2) D J Y D U 3) D J Y D V 4) D J Y D W 27. Which word is coded as KARGIL? () 1) F V M B E G 2) F V M B D J 3) F V M B D H 4) F V M B D G 28. Which word is coded as NEXT? () 1) I Z S P 2) I Z S O 21. the present age of the son, in years, is 1) 25 2) 20 () 3) 15 4) 10 38. A can run a kilometer in 3 min. 10 sec and B in 3 min. 20 sec. By what distance can A beat B? () 1) 50 mts. 2) 40 mts. 3) 30 mts. 4) 10 mts. 29. Which word is coded as KARGIL? () 1) 12 2) 19 3) F V M B D H 4) F V M B D G 3) 13 4) 1 28. Which word is coded as NEXT? () 1) 1(1, 2) 2) (-2, -1)	24.		37.	
1) JCFT		Control of the Contro		
25. What is the code of PRIMARY? () 1) U W N R F W D 2) U W N R F X D 3) U W M R F W D 4) U W N S F W D 26. Which word is coded as INDIA? () 1) D J Y D V 2) D J Y D U 3) 30 mts. 2) 40 mts. 3) D I Y D V 4) D J Y D W 27. Which word is coded as KARGIL? () 1) F V M B E G 2) F V M B D J 3) F V M B D H 4) F V M B D G 28. Which word is coded as NEXT? () 1) I Z S P 2) I Z S O 1 3) 15 4) 10 38. A can run a kilometer in 3 min. 10 sec and B in 3 min. 20 sec. By what distance can A beat B? () 1) 50 mts. 2) 40 mts. 3) 30 mts. 4) 10 mts. 39. a * b = a ³ + b ³ - 3ab ((-1)*1) 1 = ? () 1) 12 2) 19 3) F V M B D H 4) F V M B D G 30		,	ļ	
1) U W N R F W D 2) U W N R F X D 3) U W M R F W D 4) U W N S F W D 26. Which word is coded as INDIA? () 1) D J Y D V 2) D J Y D U 1) 50 mts. 2) 40 mts. 3) D I Y D V 4) D J Y D W 3) 30 mts. 4) 10 mts. 27. Which word is coded as KARGIL? () 1) F V M B E G 2) F V M B D J 3) F V M B D H 4) F V M B D G 3) 13 4) 1 28. Which word is coded as NEXT? () 1) I Z S P 2) I Z S O 1) (1, 2) 2) (-2, -1) 20 2 (-2, -1) 20 20 20 20 20 20 20 2	25.	What had a property with		
3) U W M R F W D 4) U W N S F W D 26. Which word is coded as INDIA? () 1) D J Y D V 2) D J Y D U 3) 50 mts. 2) 40 mts. 27. Which word is coded as KARGIL? () 1) F V M B E G 2) F V M B D J 3) F V M B D H 4) F V M B D G 28. Which word is coded as NEXT? () 1) I Z S P 2) I Z S O in 3 min. 20 sec. By what distance can A beat B? () 1) 50 mts. 2) 40 mts. 39. a * b = a³ + b³ - 3ab ((-1)*1) 1 = ? () 1) 12 2) 19 3) 13 4) 1 40. {x ∈ R/x² - 3 x + 2 = 0} = ? () 1) (1, 2) 2) (-2, -1)				
26. Which word is coded as INDIA? 1) DJYDV 2) DJYDU 1) 50 mts. 2) 40 mts. 3) DJYDV 4) DJYDW 3) 30 mts. 4) 10 mts. 27. Which word is coded as KARGIL? 1) FVMBEG 2) FVMBDJ 1) 12 2) 19 3) FVMBDH 4) FVMBDG 3) 13 4) 1 28. Which word is coded as NEXT? 1) 1ZSP 2) 1ZSO 1) (1, 2) 2) (-2, -1)			38.	
1) D J Y D V 2) D J Y D U 1) 50 mts. 2) 40 mts.	26.		15	
3) D I Y D V 4) D J Y D W 3) 30 mts. 4) 10 mts. 27. Which word is coded as KARGIL? () 39. a * b = a³ + b³ - 3ab ((-1)*1) 1 = ? () 1) F V M B E G 2) F V M B D J 1) 12 2) 19 3) F V M B D H 4) F V M B D G 3) 13 4) 1 28. Which word is coded as NEXT? () 40. {x ∈ R/x² - 3 x + 2 = 0} = ? () 1) 1 Z S P 2) 1 Z S O 1) (1, 2) 2) (-2, -1)	-0.			. ,
27. Which word is coded as KARGIL? () 39. a * b = a³ + b³ - 3ab ((-1)*1) 1 = ? () 1) F V M B E G 2) F V M B D J 1) 12 2) 19 3) F V M B D H 4) F V M B D G 3) 13 4) 1 28. Which word is coded as NEXT? () 40. {x ∈ R/x² - 3 x + 2 = 0} = ? () 1) 1 Z S P 2) 1 Z S O 1) (1, 2) 2) (-2, -1)				
1) F V M B E G 2) F V M B D J 1) 12 2) 19 3) F V M B D H 4) F V M B D G 3) 13 4) 1 28. Which word is coded as NEXT? () 40. $\{x \in R/x^2 - 3 x + 2 = 0\} = ?$ () 1) I Z S P 2) I Z S O 1) (1, 2) 2) (-2, -1)	27		30	
3) F V M B D H 4) F V M B D G 28. Which word is coded as NEXT? () 1) 1 Z S P 2) 1 Z S O 3) 13 4) 1 40. $\{x \in \mathbb{R}/x^2 - 3 x + 2 = 0\} = ?$ () 1) (1, 2) 2) (-2, -1)	-/.		37.	
28. Which word is coded as NEXT? () $\{x \in \mathbb{R}/x^2 - 3 x + 2 = 0\} = ?$ () $\{1, 2\} \in \mathbb{R}$ () $\{1, 2\} \in \mathbb{R}$ () $\{1, 2\} \in \mathbb{R}$ ()			=	
1) 1 Z S P 2) 1 Z S O 1) $(1, 2)$ 2) $(-2, -1)$	28		40	
	20.		40.	
3) (1, 2, -2) 4) (-2, -1, 1, 2)				
		3)1ZSN 4)1ZTO		3) (1, 2, -2) 4) (-2, -1, 1, 2)

http://isbigdeal.blogspot.com

Note: In questions numbered 41 to 55 a sequence of numbers or letters that follow a definite pattern are given. Each question has a blank space. This has to be filled by the correct answer from the four given options to complete the sequence without breaking the pattern. 41. 2, 9, 28,...., 126 () 2) 55 4) 65 1.47 42. 3, 17, 55, 129,....., 433 1) 249 2) 250 3) 252 4) 251 2, 6, 12, 20,....., 42 4) 32 3)30 1) 26 2) 28 44. 0.5, 0.55, 0.65, 0.8, 4) 0.95 1) $\frac{29}{31}$ 2) $\frac{31}{29}$ 46. 6, 26, 126, 626,, 15626 1) 4126 2) 2126 3) 3126 47. $\sqrt{26}$, $\sqrt{38}$, $\sqrt{58}$,...., $\sqrt{86}$ 1) $\sqrt{74}$ 2) $\sqrt{62}$ 3) √82 48. (4, 15), (6, 35), (8, 63),, (12, 143) 1) (10, 93) 2) (10, 99) 3) (10, 98) 4) (10, 96) 49. ACF,, GIL, JLO, MOR 1) BDG 2) CEH 50. ABYZ, CDWX,, GHST I) EFVU 2) EFUV 3) FEUV 4) FEVU 51. 2A4, 3E5, 4I6,, 6U8 1) 5M7 2) 5N7 3) 507 52. STOP, STPO, SOTP, SOPT, SPTO,..... (1) SPOT 2) STPO 3) SOPT 4) SOTP 53. BE: HK::: TW 1) MP 2) NP 3) NQ 4) MQ 10:37::....:: 101 1) 25 2) 26 55. 100:10000::....::625 1) 0.625 2) 62.5 3) 6.25 Note: Q (56-65): Pick the Odd thing out. $1.23 - 29 \ 2.3 - 5$ 3. 13-17 4.7-19 1.35 2.45 3.55 4.65 1.348 2.384 3.843 4.834 1.77 2.63 3.36 4.43 1.5 3.29 4.66

	2000000	3. $\frac{3}{11}$	4. $\frac{7}{15}$
KLM 2	ABC 3	3. XYZ	4. PQR
ERP 2	REP 3	3. PRS	4. PER
AN 2	. GS	3. DQ	4. JW
P4A 2	. D9I	3. D25Y	4. Y9I
	ERP 2 AN 2 P4A 2	ERP 2. REP AN 2. GS P4A 2. D9I	ERP 2. REP 3. PRS AN 2. GS 3. DQ

Note: For question Nos. (66 to 70) L is the straight line that fits the data given in the table below. Answer question Nos. 66 to 70 using the data.

X	-2	0	2	-1	1	
y	0	2	4	1	3	

66. Area of the triangle formed by (-2, 0), (0, 2), (2, 4) is

1)3	2) 2	3) 1	4) 0		100
Slope of the line L is				-()
1) 1	2) 1/2	3)2	4) 3		
			Slope of the line L is	Slope of the line L is	Slope of the line L is (

68. Which of the following points lies on the line L?

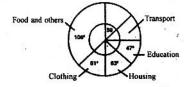
	1) (3, 4)	2) (2, 3)	3) (3, 5) 4)	(2, 1)
69.	Y - inter	cept of the	line L is	()

1) 4 2) 3 3) 1 4) 2

0. The equation of the line L is
1)
$$x + y = 2$$

2) $y = x + 2$
3) $2y = x + 2$
4) $x = y + 2$

The given pie diagram show monthly expenditure of a family on various items monthly income of the family is given to be Rs. 36,000. Basing on these, answer question Nos. 71 to 75.



71. The amount spent monthly on food and others is:

1) Rs. 5,300 2) Rs. 10,680 3) Rs. 10,800 4) Rs. 10,600

72. The ratio of amounts spent monthly on housing to clothing is

1) 21:18 2) 27:23 3) 21:17 4) 22:17

73. The amount spent are the spent is
1) Rs. 3,200
2) Rs. 3,400
3) Rs. 4,300
4) Rs. 5,200

74. The amount of spent of education in one full year is

1) Rs. 56,400 2) Rs. 54,600 3) Rs. 48,000 4) Rs. 56,800