***NUMBER SERIES***

1) 8, 12, 24, 60, A)120 B)108 C)142 D)100

2) 9, 54, 135, 252, A)400 B)405 C)380 D)420

3) 2, 3, 6, 18, 108, A)54 B)1002 C)216 D)1944

4)2, 4, 12, 48, A)240 B)56 C)64 D)100

5) 10, 7, 12, 10, 14, A)14 B)10 C)13 D)12

6) 3, 15, 35, 63, A)99 B)96 C)72 D)84 E)108

7) 14, 23, 39, 64, A)100 B)125 C)128 D)148

8) 2, 5, 8, 11, 14, A)15 B)16 C)17 D)18

9) 7, 10, 12, 10, 14, A)11 B)7 C)16 D)13

10) 3, 11, 25, 45, A)65 B)71 C)61 D)75

***ANALOGY***

1) EHKN:FGLM :: CFIL: A)DEJK B)DGJM C)BEHK D)BGJM

2)QPS:TSV :: IHK: ? A)LKN B)NQP C)MKN D)LOM

3)QDXM:SFYN :: UIOZ:? A)PAQM B)LPWA C)QNLA D)WKPA

4)ADWZ:FIBE :: KNPM: A)PSUT B)PSUR C)PSER D)PVUR

5) INVITE:JOWJUF :: ATTEND : ? A)BUUFOE B)BUUGOF C)CUUFOE D)CUUGQF

6)AZP:ZAR :: TAK : ? A)SYM B)RXN C)TZN D)SMY

7)PSQR:SVTU :: DGEF: A)IKHJ B)HJKI C)HKIJ D)IHJK

8)G3S:J3P :: L4X: ? A)P3Y B)O3T C)P4T D)Q4S

9)AIE:FNJ :: KSO : ? A)PWU B)PXT C)LYT D)QXU

10)PROGRAM:QTRKWGT :: APPLIANCE : A)BRSPNGUKO B)BRSQNGUKN C)BRSQNGUKO D)BRSPNGUKN

*CODING AND DECODING*

1. if GULMOHAR is coded as TFONLSZI,PIPAL will be coded as: A)QJQBM B)QJQBN C)KRKZO D)KIKZO 2. If RESULT is coded as SFTVMU ,then EXAM is coded as : A)FWBO B)DYZL C)FYBN D)DXZL

3. If 1022834 represents VACCINE, which word is represented by 4820548? A)ECHELON B)ECLIPSE C)ESCAPES D)ESTIMATE

4. if computer is coded as GKQLYPIN, what is the code for the senate? A)warexa B)waerxa C)warwxa D)waerax

5. in a certain code language SPECIFY is writen as 1916539625 how is ABOUT writen in that code . A)13162120 B)12162120 C)12152019 D)12152120

6. If WORD is coded as 9753,than DOOR is coded as A)3579 B)3559 C)9357 D)3775

7. In a certain code language SKILLFUL is writen as LTMJGMMV how is STATED writen in that code A)TUCUFD B)UTUCEF C)UTUBEF D)TUBUFE

8. DELHI can be written as CDKGH and MUMBAI can be written as? A)LTLAZH B)LTALHZ C)TLALXH D)HTLAZL

9. If NOBLE is coded as ONBEL, then GRAND is coded as: A)RGADN B)HSBOE C)HTCOD D)RAGDN

10. STUMP is coded as PQRJM and PITCH is coded as ? A)MFQZE B)QJUBI C)MEQAE D)RKVEK

11. If SAME is coded as VDPH, then IDENTICAL is coded as: A)KFHPVKEDN B)LACITNEDI C)LGHQWLFDO D)KACITNEDI

12. If TENNIS is coded as UDOMJR, then CRICKET is coded as: A)DPJBMDV B)DQJBMEU C)DQJBLDU D)BSHDJFS

13. If MATH can be coded as RFYM, what is the code for PHYSICS in that language? A)UMDXNHX B)UMDVNHV C)UMDYNHY DUMDXHNX

14. If BLACK is coded as DNCEM, then ORANGE is coded as A)QTCPIG B)PSCOHF C)PSBOHF D)QTCOIG

15. If STICK is coded as RSHBJ then REPLY is coded as A)SFQNX B)QDOKX C)AFQMZ D)QDOMX

*DIRECTIONS*

DS1. If North-West becomes East and North-East becomes South and so on, then what does East become? a)South-West b) North-East c) North-West d) South-East

DS2. If North is called North-East, North-East is called East, East is called South-East and so on. What will SouthEast be called? a) West b)North c) South d) East

DS3. Two friends X and Y starting a race X runs 12km East, then 18km South, y runs 2km South and 20km SouthEast. How far are they from each other now? a)0 b) 1 c) 2 d) 6

DS4. A lady runs 18km towards East and then 24km towards North. How far and in which direction is the lady from the starting point? a) 42km North-East b)42km East c)6km East d)30km North-East

DS5. Rajeswari walked 2km towards North then turned right and walked 3km then again turned right and walked 3.5km. She turned left and walked 1.5km finally. Then how far and in which direction is she from the starting point? a) 3km East b) 4.5km West c)5km East d)3km West

DS6. 8 people namely A, S, D, F, G, H, J and K are sitting around circular table facing the center of the table. D is facing North-East and G is sitting 3 positions away from D in the clockwise direction. J is sitting adjacent to D and opposite to A. A is sitting adjacent to S on his right. K is sitting adjacent to S and F is not sitting opposite to D. Which direction is A facing a) South-East b)North-West c) North-East d) South-West

DS7. I was facing North. I turned 100degrees in the anti-clockwise direction and then 155degrees in the clockwise direction which direction am I facing now? a) East b)North-East c) North d) South-West

DS8. Two friends Raman and Rajan start a race and run together for 20km towards East . From there, Raman runs 10km towards North East and Rajan continues running in the East for 8km. How far are the two friends from each other? a)6km b) 20km c) 18km d) 30km

DS9. A child while coming home from his school first goes 4km towards South-East, then 8km towards West. He then goes 4km towards North-West. In which direction is he from his school? a) East b) North c) South-east d)West

DS10. Charu is facing South. She walks 20m towards her left and takes a right turn to walk 10m, then she takes another left turn to walk 30m. In which direction is she standing now from her starting point? a)South-East b) South-West c) North-East d) North-West

*BLOOD RELATIONS*

1. X is wife of Y. Y is brother of Z. Z is son of P. How P is related to X? a) Sister b) Aunty c) Father-In-Law d) Brother-In-Law

2. Pointing to girl child in a photograph woman said "Her mother’s sister is the wife of my son". How is the woman related to the child? a) Mother b) Daughter c) Sister d) None of these

3. Pointing a man on photograph, another man said, ‘He is the father of my daughter’s son’. How is the man in the photograph to him? a) Brother b) Son in law c) Father d) Son

4. A,B and C are the children of D and E. F is the spouse of A. G is the granddaughter of D whose father is F. B is a mother of H. Then who is the male children of D and E? a) A b) E c) B d) C

5. If Mohan is the brother of Rohan’s grandmother, how is Rohan related to Mohan? a) Brother- in- law b) Uncle c) Grandson d) Grandfather

6. Looking at the portrait, A girl said,’he is the husband of the granddaughter of my mother’. How the man is related to the girl? a) Brother b) Son-in-law c) Father d) Cousin

7. Q is the wife of R .M is the mother of R and S. How is M related to Q? a) Father b) Mother-in-law c) Uncle d) Father -in –law

8. P is the son-in-law of S.T and Q are the children of P.M is the mother of T. How is M related to S? a) Daughter b) Son c) Mother d) Sister

9. A man goes to the park and sees a girl who he recognized to be his relative. The girl was the daughter of his sister’s husband’s wife. How is the girl related to the man? a) Niece b) Sister-in-law c) Sister d) Aunt

10. Pointing to a women, a man said, ‘Her father is the only son of my mother’. How is the man related to the women? a) Father b) Cousin c) Nephew d) Brother

11. Pointing to a man, a girl said, ‘He is the husband of the granddaughter of the mother of themother’, How is the man related to the girl? a) Cousin b) Brother-in-law c) Brother d) Husband

12. Looking at the portrait, A girl said,’ He is the husband of the granddaughter of my mother’. How the man is related to the girl? a) Son b) Brother c) Son-in-law d) Nephew

13. Pointing towards a person in a photograph Pinki said,’He is the cousin of my mother’s husband’.How is that person related to pinki? a) Father b) Uncle c) Brother d) Brother-in-law

14. Aakriti went to her mother’s brother’s wife’s daughter’s paternal grandmother’s only son in law’s nephew’s house, whose house did Aakriti go to? a) Son b) Brother c) Sister d) Cousin

15. Introducing a man, a Women said "He is the only one son of the mother of my mother. "How is women related to man? a) Sister b) Mother-in-law c) Daughter d) Niece

*Data sufficiency*

1. Ionization energy decreases with the increasing size of metal atom out of caesium,lithium, potassium and sodium which will have the lowest ionization energy?Statements: I.Lithum has thesmallest size II.The size of potassium and caesium is greater than Litum a)Statement I alone is sufficient b)Statement II alone is sufficient c)Statement I and Statement II put together are sufficient d)Statement I and Statement II put together are Not sufficient e)Either of the statements taken individually is sufficient in answering the problem question

2. What is the monthly salary of my father? Statements:

I.My father’s and mother’s salary are in the ratio 5:2 respectively

II.My mother’s salary is 40% of my father’s salary a)Statement I alone is sufficient

b)Statement II alone is sufficient

c)Statement I and Statement II put together are sufficient

d) Statement I and Statement II put together are Not sufficient

e)Either of the statements taken individually is sufficient in answering the problem question

3. When is Rahul’s birthday? Statements: I.His birthday is before 25th and after 22nd november II.His birthday is after 23rd and before 26th november. a)Statement I alone is sufficient b)Statement II alone is sufficient C)Statement I and Statement II put together are sufficient d)Statement I and Statement II put together are Not sufficient e)Either of the statements taken individually is sufficient in answering the problem question

4. What is the monthly salary of Raghu? Statements: I.The salaries of raghu and his brother are in the ratio 5:6 respectively II.The salary of raghu’s brother isRs.32000 per month a)Statement a alone sufficient b)tatement b alone sufficient C) Both statements put together are sufficient d)Both statements put even together are not sufficient e)Either of the statements taken individually is sufficient in answering the problem question

5. There are four friends Akash,Manoj,Nithesh and Piyush. They are standing in increasing order of their height facing towards North. At what position is Manoj standing? Statements: I.Akash is taller than Piyush and Piyush is taller than Manoj. Manoj is not shortest. II.Nithesh is smaller than Manoj and Piyush. Nithesh is the shortest and Piyush is the tallest a) Statement 1 sufficient while statement 2 alone not sufficient b)Statement 2 sufficient while statement 1 alone not sufficient c)Neither statement 1 nor 2 is sufficient d)Both 1 and 2 are sufficient e)Either of the statements taken individually is sufficient in answering the problem question

6. If product of two numbers are given, find the number. Statements: I.1.Difference of the numbers is given II.2.Sum of the numbers is given a)Statement I alone is sufficient b)statement II alone is sufficient c)Statement I and Statement II put together are sufficient d)Statement I and Statement II put together are Not sufficient e)Either of the statements taken individually is sufficient in answering the problem question

7. What is the area of the top of the table? Statements: I.The top of table is rectangular in shape II.The length of the top of the table is 35 cm a)Statement I alone is sufficient b)Statement II alone is sufficient c)Statement I and Statement II put together are sufficient d) Statement I and Statement II put together are Not sufficient e)Either of the statements taken individually is sufficient in answering the problem question

8. What is the selling price of sofa set? Statements: I.The cost price of sofa set is given II.The selling price of two sofa sets are given. a)Statement I alone is sufficient b) Statement II alone is sufficient c)Statement I and Statement II put together are sufficient d)Statement I and Statement II put together are Not sufficient e)Either of the statements taken individually is sufficient in answering the problem question

9. Vikas ranks 9th in the class. How many students are there in the class? Statements: I.His friend got the 35th rank which is the last rank. II.His rank from the last is 27th. a)Statement I alone is sufficient b)Statement II alone is sufficient c)Statement I and Statement II put together are sufficient d)Statement I and Statement II put together are not sufficient e) Either of the statements taken individually is sufficient in answering the problem question

10. The salaries of A and B are in the ratio 2:3. What is the salary of A? Statements: I.The salary of B is Rs. 8000 II.The total salary of A and B is Rs. 15000 a)Statement I alone is sufficient b)Statement II alone is sufficient C)ORRECT ANSWER: Statement I and Statement II put together are sufficient d)Statement I and Statement II put together are not sufficient e)Either of the statements taken individually is sufficient in answering the problem question