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**DIRECTIONS for the questions 1-2: Complete the series by choosing the appropriate option.**

1. **E, F, G, H, J, K, L, N, O, \_?\_** 
   1. P
   2. Q
   3. R
   4. S

 Answer: Option B.  
After consecutive 4 alphabets one is skipped and then after 3 , next miss would happen after 2 alphabets, i.e. p will be missed and so next letter would be Q.

2. **A, I, B, C, I, D, E, ? , F**

1. E
2. F
3. G
4. I

Answer:  Option D.  
From the series after every c 2 consecutive letters and I comes up, so answer is 4th option.

**DIRECTIONS for the questions 3-6: Complete the series by choosing the appropriate option.**  
Tara has decided to- tutor biology for the summer and is trying to plan her schedule. She can meet with up to two students a day, Monday 'through Friday, and has three students, Anu, Bhupesh, and Chirag. She needs to arrange her schedule according to the following constraints:  
I. Each student meets with Tara twice a week.  
II. No student meets with Tara twice in the same day.  
III. Anu refuses to meet with Tara on Fridays.  
IV. Chirag will never meet with Tara the day after Bhupesh has a lesson.  
V. Anu and Chirag meet with Tara on the same day exactly once a week.  
VI. If Anu meets with Tara on Monday, so does Bhupesh.

1. **If Bhupesh is allowed to meet with Tara three times one week, on what days could he meet with her?**
   1. Monday, Wednesday, Friday
   2. Monday, Tuesday, Wednesday
   3. Tuesday, Wednesday, Thursday
   4. Wednesday, Thursday,Friday

 Answer: Option D.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Monday | Tuesday | Wednesday | Thursday | Friday |
| Anu | Yes |  | Yes |  | No |
| Bhupesh | Yes |  |  |  |  |
| Chirag | No | No | Yes |  |  |
|  |  |  |  |  |  |

If Bhupesh Comes on Wednesday,Thursday,Friday, then Chirag can not come on Thursday Friday but can come with Anu on Tuesdays and alone on Monday an Anu can come anywhere in between Wednesday and Thursday. Hence 4th is the correct Option.

4) **If Tara adds Dana, a fourth student, what is the maximum number of times Dana could meet with her each week?**

1. Four
2. Three
3. Two
4. One

 Answer: Option A.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Monday | Tuesday | Wednesday | Thursday | Friday |
| Bhupesh | ✓ |  |  |  | ✓ |
| Anu | ✓ |  | ✓ |  |  |
| Chirag | No | No | ✓ | ✓ |  |
| Dana |  | ✓ |  | ✓ | ✓ |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Monday | Tuesday | Wednesday | Thursday | Friday |
| Bhupesh | ✓ |  |  | ✓ |  |
| Anu |  | ✓ | ✓ |  |  |
| Chirag |  |  | ✓ |  | ✓ |
| Dana | ✓ | ✓ |  | ✓ | ✓ |

From the above arrangements it can be seen that the Max. possible times that Dana can come is 4 times. Hence 1st Option

5) **If Anu cannot meet with Tara on Tuesday or Wednesday, on what day must Chirag meet with her?**

1. Monday
2. Tuesday
3. Wednesday
4. Thursday

 Answer: Option D.  
Out of the four options, since Anu cannot come on Tuesdays and Wednesday so Chirag also can’t, also if Anu comes on Monday, Bhupesh has to come and there cannot be three students with Tara on the same day, so Thursday is the correct answer, i.e. 4th option

6) **If Bhupesh meets with Tara on Tuesday and Friday, on what day must Chirag meet with her?**

1. Monday
2. Tuesday
3. Wednesday
4. Thursday

 Answer: Option D.  
The possible cases are as follows:  
Case 1: Here Anu can come anywhere between Tuesday and Wednesday

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Monday | Tuesday | Wednesday | Thursday | Friday |
| Bhupesh |  | ✓ |  |  | ✓ |
| Anu |  |  |  | ✓ | × |
| Chirag | ✓ |  | × | ✓ |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Monday | Tuesday | Wednesday | Thursday | Friday |
| Bhupesh |  | ✓ |  |  | ✓ |
| Anu |  |  | ✓ | ✓ |  |
| Chirag |  |  | × | ✓ | ✓ |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Monday | Tuesday | Wednesday | Thursday | Friday |
| Bhupesh |  | ✓ |  |  | ✓ |
| Anu |  |  | ✓ | ✓ |  |
| Chirag |  | ✓ | × | ✓ |  |

From the case above Chirag must come on Thursday in each case, hense 4th option.

**DIRECTIONS for the questions 7-10: Read the information given below and answer the question that follows.**  
A, B, C, D, E, G, and I are seven friends who study in three different standards namely 5th, 6th and 7th such that not less than two friends study in the same standard. Each friend also has a different favourite subject namely History, Civics, English, Marathi, Hindi, Maths and Economics but not necessarily in the same order.  
A likes Maths and studies in the 5th standard with only one other friend who likes Marathi. I studies with two other friends. Both the friends who study with I like languages (Here languages include only Hindi, Marathi and English). D Studies in the 6th standard with only one person and does not like civics. E studies with only one friend. The one who likes history does not study in 5th or 6th standard. E does not like languages. C does not like English, Hindi or Civics.

7) **Which combination represents E's favourite subject and the standard in which he studies?**

1. Civics and 7th
2. Economics and 5th
3. Civics and 6th
4. History and 7th

 Answer: Option C.

|  |  |  |
| --- | --- | --- |
| Name | Class | Subject |
| A | 5th | Maths |
| B | 7th | Hindi/English |
| C | 5th | Marathi |
| D | 6th | Economics |
| E | 6th | Civics |
| G | 7th | Hindi/English |
| I | 7th | History |

So from table, E’s favourite subject is Civics and he studies in 6th class.

8) **Which of the following is I's favourite subject?**

1. History
2. Civics
3. Marathi
4. Either English or Marathi

 Answer: Option A

|  |  |  |
| --- | --- | --- |
| Name | Class | Subject |
| A | 5th | Maths |
| B | 7th | Hindi/English |
| C | 5th | Marathi |
| D | 6th | Economics |
| E | 6th | Civics |
| G | 7th | Hindi/English |
| I | 7th | History |

I’s favourite subject is History. So, the correct answer is option A.

9) **Who amongst the following studies in the 7th standard?**

1. G
2. C
3. E
4. D

 Answer: Option A.

|  |  |  |
| --- | --- | --- |
| Name | Class | Subject |
| A | 5th | Maths |
| B | 7th | Hindi/English |
| C | 5th | Marathi |
| D | 6th | Economics |
| E | 6th | Civics |
| G | 7th | Hindi/English |
| I | 7th | History |

G studies in 7th class. So, the correct answer is option A.

10) **Which of the following combinations is definitely correct?**

1. I and Hindi
2. G and English
3. C and Marathi
4. B and Hindi

Answer: Option C.

|  |  |  |
| --- | --- | --- |
| Name | Class | Subject |
| A | 5th | Maths |
| B | 7th | Hindi/English |
| C | 5th | Marathi |
| D | 6th | Economics |
| E | 6th | Civics |
| G | 7th | Hindi/English |
| I | 7th | History |

C likes Marathi. So, option C is the correct option

**1.The only people to attend a conference were four ship captains and the first mates of three of those captains. The captains were L, M, N and O; the first mates were A, D and G. Each person in turn delivered a report to the assembly as follow: Each of the first mates delivered their report exactly after his or her captain. The first captain to speak was M, and captain N spoke after him.Among the following which is not an appropriate order of delivered reports?**  
A.M, A, N, G, O, L, D  
B.M, D, N, G, L, O, A   
C.M, N, A, O, D, L, G  
D.M, N, G, D, O, L, A  
 **Answer: D**  
 **2. In case L speaks after A, and A is the third of the first mates to speak, then among the following statements which would be untrue?**  
A.O spoke immediately after G.  
B.he order of the first four speakers was M, G, N, D.  
C.O’s first mate was present.  
D.A was the fourth speaker after M.  
 **Answer: D**  
 **3. Among the following statements which statement must be true?**  
A.In case the second speaker was a captain, the seventh speaker was a first mate.  
B.In case the second speaker was a first mate, the seventh speaker was a captain.  
C.In case the third speaker was a first mate, the seventh speaker was a captain.  
D.In case the third speaker was a captain, the seventh speaker was a first mate.  
 **Answer: A**  
 **4. In case A spoke immediately after L and immediately before O, and O was not the last speaker, L spoke**  
A.second  
B.third  
C.fourth  
D.fifth  
 **Answer: C**  
 **5. In case G is M’s first mate, D could be the person who spoke immediately**  
A.prior to T  
B.prior to L  
C.prior to V  
D.after T  
 **Answer: D**  
 **6. In case A is the third of the first mates to speak, and L is the captain whose first mate is not present, which among the following statements must be true?**  
A.A spoke sometime before L.  
B.D spoke sometime before O  
C.L spoke sometime before O  
D.O spoke sometime before L  
 **Answer: A**  
 **7. Among the following statements, which would make M, D, N, G, L, O, A the only possible sequence of speakers?**  
A.D is M’s first mate; G is N’s first mate; A is O’s first mate.  
B.D is M’s first mate; G is N’s first mate; A was the second to speak after L.  
C.The order of the first four speakers was M, D, N, G.  
D.The order of the last three speakers was L, O, A.  
 **Answer: B**  
 **8. (M, N, O and P are all different individuals)**  
**I. M is the daughter of N.**  
**II. N is the son of O**  
**III. O is the father of P.**  
**Among the following statements, which is true ?**  
A.O is the uncle of M.  
B.P and N are brothers  
C.M is the daughter of P.  
D.If B is the daughter of N, then M and B are sisters.  
 **Answer: D**  
 **Solution:**  
**O / N P M – B**  
 **9. Which among the following statements is contradictory to the above premises?**  
A.P is the father of M.  
B.O has three children.  
C.M has one brother.  
D.M is the granddaughter of O.  
 **Answer: A**  
 **10. If B is the son of N and B has one brother, D, then I. M is the sister of D. II. D and N are brothers. III. O is the grandfather of D.**

A.I only  
B.II only  
C.III only  
D.I and III only  
 **Answer: C**  
 **11. If STRAY is coded as TUSBZ then how will MOURN be coded?**

A.LPVSO  
B.NPVSO  
C.NVPSO  
D.NPSVO  
 **Answer: B**  
 **12. If DOWN is coded as FQYP then how will WITH be coded?**  
A.KYN  
B.JYK  
C.YKVJ  
D.JKVY  
 **Answer: C**  
 **13. If BINARY is coded as DHPZTX then how will KIDNAP be coded?**  
A.MKFPCQ  
B.MHFPZQ  
C.IKFMYO  
D.MHFMCO  
 **Answer: D**  
 **14. If RASCAL is coded as QZRBZK then how will SOLDER be coded?**

A.RNMEDQ  
B.RPKEDS  
C.TPMEFS  
D.RNKCDQ  
 **Answer: D**  
 **15. If MAGIC is coded as PXJFF then how will LEASH be coded? ocdqk**  
A.PBDVD  
B.OBDVL  
C.OHEOK  
D.OBDPK  
 **Answer: D**  
 **16. If P x Q means— ‘P is the brother of Q’, P ÷ Q means ‘P is the son of Q’ and ‘P — Q’ means ‘P is the sister of Q’ , then which of the following relations will show that Q is the maternal uncle of P ?**  
A.Q x R÷ P   
B.Q÷ R – P   
C.P x R – Q  
D.P÷ R – Q  
 **Answer: D**  
 **17. In a row of girls, Nivedita is 15th from the left and Vimla is 23rd from the right. If they interchange their positions,then Nivedita becomes 18 th from the left. Then at what position will Vimla be from the right?**  
A.25th  
B.24th  
C.26th  
D.20th  
 **Answer: C**  
 **18. In the class of 40 students, if Sanju is at 30th place from one end, what is his position from the other end?**  
A.9th  
B.12th  
C.10th  
D.11th  
 **Answer: D**  
 **19. Pointing to a man Snehlata says, “He is the only son of my father’s father.” How is Snehlata related to the man ?**  
A.Mother  
B.Grand daughter  
C.Niece  
D.None of these  
 **Answer: D**  
 **20. Pointing to a lady in photograph, Madhurendra said, “Her mother is the only daughter of my mother’s mother.” How is Madhurendra related to the lady?**  
A.Nephew  
B.Uncle  
C.Maternal uncle  
D.Brother  
 **Answer: D**  
 **21. As ‘Hungry’ is related to ‘Food’ in the same way ‘Thirsty’ is related to what?**  
A.Drink  
B.Tea  
C.Coffee  
D.Water  
 **Answer: D**  
 **22. As ‘Fly’ is related to ‘Parrot’ in the same way ‘Creep’ is related to what?**  
A.Snake  
B.Rabbit  
C.Fish  
D.Crocodile  
 **Answer: A**  
 **23. As ‘Hindu worshiper’ is related to ‘Temple’ in the same way ‘Maulvi’ is related to what?**  
A.Monastery  
B.Church  
C.Mosque  
D.Sikh temple  
 **Answer: C**  
 **24. If ”˜M’ denotes ”˜x·’, ”˜K, denotes ”˜—’, ”˜T’ denotes ”˜÷ and ”˜R’ denotes ”˜+’, then; 20 K 16 T 8 M 4 R 6 = ?**  
A.18  
B.6  
C.12  
D.18  
 **Answer: B**  
 **25. How many such pairs of letters are there in the word TERMINATE each of which has as many letters between them in the word as in the English alphabet ?**  
A.One  
B.Two  
C.Three  
D.More than three  
 **Answer: A**  
 **26. Statements :**  
**All apples are oranges**  
**Some oranges are papayas**  
**Conclusions :**  
**I. Some apples are papayas**  
**II. Some papayas are apples**  
A.if only conclusion I follows  
B.if only conclusion II follows  
C.if either I or II follows  
D.if neither I or II follows  
 **Answer: D**  
 **27. Statements:**  
**All puppets are dolls**  
**All dolls are toys**  
**Conclusions:**  
**I. Some toys are puppets**  
**II. All toys are puppets**  
A.if only conclusion I follows  
B.if only conclusion II follows  
C.if either I or II follows  
D.if neither I or II follows  
 **Answer: A**  
 **28. Statements :**  
**All coins are crows**  
**Some crows are pens**  
**Conclusions :**  
**I. No pen is coin**  
**II. Some coins are pens**  
A.if only conclusion I follows  
B.if only conclusion II follows  
C.if either I or II follows  
D.if neither I or II follows  
 **Answer: D**  
 **29. Statements :**  
**All men are married**  
**Some men are educated**  
**Conclusions :**  
**I. Some married are educated**  
**II. Some educated are married**  
A.if only conclusion I follows  
B.if only conclusion II follows  
C.if either I or II follows  
D.if both I and II.  
 **Answer: D**  
 **30. Statements :**  
**Some players are singers**  
**All singers are tall**  
**Conclusions :**  
**I. Some players are tall**  
**II. All players are tall**  
A.if only conclusion I follows  
B.if only conclusion II follows  
C.if either I or II follows  
D.if neither I or II follows  
 **Answer: A**

**1. Statement:**  
**As many as ten coaches of a passenger train have been derailed and have blocked both pairs of the railway tracks.**  
**Courses of action:**  
**I. The railway authorities should immediately send men and equipment to the spot to clear the railway tracks.**  
**II. All the trains running in both directions should be diverted to other routes.**

A. If only I follows  
B. If only II follows  
C. If either I or II follows  
D. If neither I nor II follows  
E. If both I and II follow  
 **Answer:** Option E  
 **Solution:**  
I is advisable because it will ensure smooth running of trains again. II is advisable because it will reduce the inconvenience of other passengers.  
 **2.Starting from a point P,Sachin walked 20m towards South. He turned left and walked 30m. He then turned left and walked 20m.He again turned left and walked 40m and reached a point Q. How far and in which direction is the point Q from the point P?**  
A.20mWest  
B.10mEast  
C.10mWest  
D.10mNorth  
 **Answer:** Option C  
 **3. Choose out the odd one.**  
A. Football  
B. Volleyball  
C. Chess  
D. Hockey  
 **Answer:** Option C  
 **Solution:**  
All except chess are outdoor games.  
 **4. In the 1966 Supreme Court decision Miranda v. Arizona, the court held that before the police can obtain statements from a person subjected to an interrogation, the person must be given a Miranda warning. This warning means that a person must be told that he or she has the right to remain silent during the police interrogation. Violation of this right means that any statement that the person makes is not admissible in a court hearing. This paragraph best supports the statement that**  
A. police who do not warn persons of their Miranda rights are guilty of a crime.  
B. a Miranda warning must be given before a police interrogation can begin.  
C. the police may no longer interrogate persons suspected of a crime unless a lawyer is present.  
D. the 1966 Supreme Court decision in Miranda should be reversed.  
 **Answer:** Option B  
 **Solution:**  
This answer is clearly supported in the second sentence. Nothing in the paragraph suggests that it is a crime not to give a Miranda warning, so choice a is incorrect. Choice c is also wrong because police may interrogate as long as a warning is given. There is no support given for either choice d or e.  
 **5. The world famous Edward Museum in city ‘X’ has introduced the system of pass code for its visitors. The pass codes are generated by machine and automatically change after every one hour during the visiting hours 11 a.m. to 7 p.m. The illustration of pass codes generated batch wise is given below:**  
**Pass code for batch I starting at 11 a.m. things keep dust you all away from never.**  
**Pass code for batch II starting at 12 noon. all dust things you away from never keep.**  
**Pass code for batch III starting at 1 p.m. away things all your from never keep dust.**  
**Pass code for batch IV starting at 2 p.m. from all away your never keep dust things. and so on up to the last batch starting at 6 p.m.**  
 **Mr ‘X’ visited the museum at 1 p.m., but was wrongly issued the pass code for 4 p.m. batch which was “left is the hand right to his way”. What is the correct pass code that should have been issued to Mr ‘X’?**

A. Way to hand his is the left right  
B. Way to his hand is the left right  
C. Way to his hand the is left right  
D. Way to his hand is the right left  
 **Answer:** Option B  
 **Solution:**  
Here the rule followed is:  
In each step the fifth, third and first words become the first, second and third respectively. Fourth word remains at its previous position. Sixth, seventh and eighth words shift one position leftward and the second word becomes the last, i.e., eighth. For the sake of convenience if we assign numeric value to those words, viz. things-1, keep-2, dust-3, your-4, all-5, away-6, from-7 & never-8, the movement will be as follows:  
Batch I(11 a.m. – 12 noon): 1 2 3 4 5 6 7 8  
Batch II(12 noon – 1 p.m.): 5 3 1 4 6 7 8 2  
Batch III(1 p.m. – 2 p.m.): 6 1 5 4 7 8 2 3  
Batch IV(2 p.m. – 3 p.m.): 7 5 6 4 8 2 3 1  
Batch V(3 p.m. – 4 p.m.): 8 6 7 4 2 3 1 5  
Batch VI(4 p.m. – 5 p.m.): 2 7 8 4 3 1 5 6  
Batch VII(5 p.m. – 6 p.m.): 3 8 2 4 1 5 6 7  
Batch VIII(6 p.m. – 7 p.m.): 1 2 3 4 5 6 7 8  
 **6. If the digits on the dial of a clock are replaced by alternate English alphabet beginning with D such as D replaces 1, F replaces 2 and so on, then where will be the hour hand at 19.45 O’clock?**  
A. Between O and Q  
B. Between N and P  
C. Between P and R  
D. Between M and O  
 **Answer:** Option C  
 **7. Assertion:**  
**Some people in India are indifferent to the existing reservations in the education and the recruitment fields.**  
**RI. Because these people do not fall under reservation category.**  
**RII. Sometimes reservations cause damage to the merit.**  
A. Only RI and not RII is the reason for the assertion.  
B. only RII and not RI is the reason for the assertion.  
C. either RI or RII, but not both, is the reason for the assertion.  
D. neither RI nor RII is the reason for the assertion.  
 **Answer:** Option D  
 **Solution:**  
\*Indifferent\* means having no option. That is, these people are neither against nor advocating reservations. Neither RI nor RII is explaining the reasons as to why these people are indifferent.  
 **8. Nurse Kemp has worked more night shifts in a row than Nurse Rogers, who has worked five. Nurse Miller has worked fifteen night shifts in a row, more than Nurses Kemp and Rogers combined. Nurse Calvin has worked eight night shifts in a row, less than Nurse Kemp. How many night shifts in a row has Nurse Kemp worked?**  
A. eight  
B. nine  
C. ten  
D. eleven  
 **Answer: O**ption B  
 **Solution:**  
Nurse Kemp has worked more shifts in a row than Nurse Calvin; therefore, Kemp has worked more than eight shifts. The number of Kemp’s shifts plus the number of Rogers’s shifts (five) cannot equal fifteen or more, the number of Miller’s shifts. Therefore, Kemp has worked nine shifts in a row (5 + 9 = 14).  
 **9. Nikhil remembers that his sister Kranthi had certainly been in Pune for one day after 16th February but before 21st February. While his mother remembers that Kranthi had certainly visited Pune before 20th February. If both of them are correct, then on which day in February had Kranthi visited Pune?**  
A. Either 18th or 19th  
B. 19th  
C. 18th  
D. Data inadequate  
 **Answer:** Option A  
 **10. FJUL: BOQQ:: LHRX:?**  
A. BKPR  
B. MNCC  
C. HRYY  
D. HMNC  
 **Answer:** Option D  
 **Solution:**  
The 1st and 3rd letter of the group are each moved to 4 steps backward while the 2nd and 3rd letters are each moved five steps forward to the corresponding letters the second group.  
 **11. A Guarantee is a promise or assurance that attests to the quality of a product that is either (1) given in writing by the manufacturer or (2) given verbally by the person selling the product. Which situation below is the best example of a Guarantee?**  
A. Melissa purchases a DVD player with the highest consumer ratings in its category.  
B. The salesperson advises Curt to be sure that he buys an air conditioner with a guarantee.  
C. The local auto body shop specializes in refurbishing and selling used cars.  
D. Lori buys a used digital camera from her coworker who says that she will refund Lori’s money if the camera’s performance is not of the highest quality.  
 **Answer: Option D**  
 **Solution:**  
Choices a, b, and c do not describe situations in which a product is guaranteed. Only choice d reflects a situation in which a seller attests to the quality of a product by giving the buyer a promise or assurance about its quality.  
 **12. Here are some words translated from an artificial language.**  
**lelibroon means yellow hat**  
**plekafroti means flower garden**  
**frotimix means garden salad**  
**Which word could mean “yellow flower”?**  
A. lelifroti  
B. lelipleka  
C. plekabroon  
D. frotibroon  
 **Answer:** Option B  
 **Solution:**  
Leli means yellow; broon means hat; pleka means flower; froti means garden; mix means salad. Therefore, lelipleka means yellow flower.  
 **13. Which of the following will come in place of (D)?**  
A. 36.25  
B. 38.65  
C. 42.75  
D. 82.54  
E. None of these  
 **Answer:** Option E  
 **Solution:**  
The series is \*0.5, \*1.5 , \*1.5 , \*2.5, \*3.5  
 **14. TAILOR : SUIT**  
A. scheme : agent  
B. edit : manuscript  
C. revise : writer  
D. mention : opinion  
 **Answer:** Option B  
 **Solution:**  
To tailor a suit is to alter it; to edit a manuscript is to alter it.