A marriage planner makes a schedule for the floral decoration at a wedding. He has five kinds of flowers for the five day marriage celebration. The flowers are : Sunflower, Mogra , lotus, Lily and Aster. The marriage functions are : Sangeet on Monday, Mehendi on Tuesday, Lunch on Wednesday, Cocktail party on Thursday and Marriage on Friday.

-Mogra are used either for Tuesday function or for marriage

-Aster were chosen for the function, 2 days next to the lunch.

-Lily were neither used for Monday nor for Mehendi function.

-Sunflower are not used on Lunch day.

1. Which of the following conditions is not possible?

A. Mogra and Sunflower are used for function on 2 consecutive days

B. Mogra and Lotus are used for functions on 2 consecutive days

C. Lily and Sunflower are used for functions on 2 consecutive days

D. Lotus and Sunflower are used for functions on 2 consecutive days

E. None of these

2. If Lotus are chosen for Lunch, then on which day Lily are used?

A. Monday

B. Tuesday

C. Thursday

D. Friday

3. Which flowers might be used on Wednesday?

A. Sunflower or Aster

B. Aster or Lily

C. Lotus or Lily

D. Sunflower or Lotus

E. Mogra or Lily

4. If Lily are chosen for Cocktail party, then which flowers are used for Monday function?

A. Mogra

B. Lotus

C. Sunflower

D. Aster

E. Cannot be predicted

5. If Lotus and Lily are chosen for functions on consecutive days, then in which function is Sunflower used?

A. Mehendi

B. Cocktail

C. Lunch

D. Marriage

E. Sangeet

6. A family consists of two grandparents, two parents and three grandchildren. The average age of the grandparents is 67 years, that of the parents is 35 years and that of the grandchildren is 6 years. What is the average age of the family?

A. 200/7

B.222/7

C.225/7

D.229/7

E. None of these

7. P(1,1), Q(4,4), R(4,7), S(1,4) are the vertices of a quadrilateral PQRS. Then it is a:

A. rectangle

B. square

C. rhombus

D. parallelogram

E. none of these

8. If 100 people can complete 6 building in 4 months working 8 hours a day then in how many days will 400 people complete 10 buildings working 12 hours a day. (Each months being 30 days)

A.100/3

B.100/6

C.32

D.34

E.30

9. In a secret code, 156324 is written as SPRINT and 4728 is written as TANK. How is 153634 written in that secret code?

A.PRANKS

B. SPIRIT

C.PIRITS

D.TIRIPS

E. None of these

10. What is true about x if x+b2=a2 and x is a prime number?(a, b, x>0)

A. a=x+b

B. x= a+b

C. b=x+a

D. x= a-b

E. None of these

11. In a cycle race vikram rides his bicycle at 24 m/s while Arjun rides at 6m/s. Consider a circular track of 1500 m, how many times will they meet at distinct points on the track? Assume that they start from the same point, at the same time and in same direction.

A.1

B.3

C.0

D.2

E.4

12.Find the next term in the sequence:

A.260

B.567

C.441

D.484

E. None of these

13. Bharat was given a task to rearrange the word “DRINK’’. What is the probability that when the letters of the word ‘’DRINK’’ are re-arranged, the positions in which the consonants appear are replaced by consonants only?

A.1/60

B.1/5

C.3/5

D.4/5

E. None of these

14. Adarsh is preparing for a competitive exam. During his practice for the same, he comes across a sample paper which contains 12 yes/no type questions and 12 multiple choice questions, each with four possible answers. In how many distinct ways can Ankit solve the paper?

A. 12C2 \* 12C4

B.218

C.46 \* 36

D.418

E. None of these

15. If SET+TIET=ERROS; What is the value of E+R+R+O+S when S=8?(Every value represents a unique value from 0 to 9)

A.10

B.12

C.11

D.20

E. None of these

A new super-market ‘Big Foods’ has been inaugurated. It will stay open only on weekends. The super market has two male security guards (Umang and vijay); two female security guards (Swati and Teena); and four shopkeepers (Pavan, Gopal, Raj and Zeel). They all work for a complete day when working i.e. they are full time employees. No part time employees are hired.

-A male security guard must be on duty each day

-The male security guards cannot work on the same day

-At least two shopkeepers must be working on the same day

- Pavan and Gopal will not work on the same day

-Swati and Zeel will only work on Saturday

-No employee can work on consecutive days, but each employee must work on Saturday or Sunday.

16. if Pavan works on Sunday, then which one of the following must be true?

A. Gopal works on Saturday

B. Raj works on Saturday

C. Teena works on Sunday

D. Zeel works on Sunday

E. Umang works on Sunday

17. Which of the following could be false?

A. If Umang works on Saturday, then vijay works on Sunday

B. If Gopal works on Saturday, then pavan works on Sunday

C. Teena can work on either day

D. If Pavan works on Saturday and Raj works on Sunday, then Gopal works on Sunday

E. If Umang works on Sunday, then Gopal works on Saturday

18. what is the maximum number of employees that can work on Saturday?

A.2

B.3

C.4

D.5

E.6

19. Which one of the following is an acceptable group of employees who could work on Saturday?

A. Zeel, Wazier, Raj, Swati, Teena

B. Umang, Vijay, pavan, Raj, Zeel, Swathi

C. Vijay, Pavan, Gopal, swati, Teena

D. Umang, Zeel, Swati, Teena

E. Vijay, Pavan, Zeel, Swathi

20. Which one of the following must be true?

A. Teena always works on the same day as Raj

B. Swati never works on the same day as umang

C. Zeel never works on the same day as Gopal

D. If Pavan works on Sunday, then Raj always works on Saturday

E. Only two shopkeepers work on Saturday

21. There are 8 couples sitting around a circular dining table. How many ways are there to seat them in such a way that each couple sits together?

A. (8-1)!/2

B.(8-1)!\*2^8

C.(8-1)!\*2

D.8!\*2

E.8!\*2^8

22. If LO+GO=OWL and every letter represents a unique digit(0 to 9) throughout the problem, then what is oo\*LL?

A.121

B.242

C.66

D.78

E. None of these

23. If we rearrange the letters of the word ‘’WONDER”, in how many words will the letters ‘O’ and ‘E’ not be together?

A.120

B.240

C.320

D.480

E.720

24. Distance between Kanpur and jaipur is 90 km. Two men started walking towards each other from Kanpur and Jaipur at the same time. The person who started from Kanpur travelled uniformly with an average speed of 5 km/hr, while the other man travelled with a varying speed as follows: in the first hour his speed was 3 km/hr, in the second hour it was 3.5 km/hr, in the third hour it was 4 km/hr, and so on. When will they meet each other?

A.9 hours

B.15 hours

C.12 hours

D.10 hours

E. None of these

25. Find the next term in the series

5,10,26,50,122,?

A.168

B.169

C.166

D.170

E. None of these

Exactly eight Cartoon series-Naruto, Dexter, Beyblade, Johny Bravo, Richie Rich, Doremon, Looney Tunes and X-Men are to be telecasted consecutively on Hungama TV on a particular Friday. No Cartoon series is played more than once and no two Cartoon series are played simultaneously. The following conditions apply:

-Looney Tunes and Johny Bravo both are played at some time before Beyblade.

- Doremon is played at some time before Richie Rich.

-Looney Tunes is played at some time before Dexter.

-X-Men is played at some time after Doremon.

-Naruto is played at some time before X-Men and at sometime after Beyblade.

26.If Naruto is played fourth, then which one of the following must be true?

A. X-Men is the sixth Cartoon series to be played

B. Looney Tunes is played before Johny Bravo

C. Dexter is played before X-Men

D. Doremon is played before Dexter

27. If Johny Bravo is played fifth, then each of the following could be true EXCEPT:

A. Richie Rich is the sixth cartoon series to be plated

B. Dexter is the fourth Cartoon series to be played

C. Doremon is the second cartoon series to be played

D. Looney Tunes is the third Cartoon series to be played

E. Richie Rich is played at some time before Dexter but at some time after Looney Tunes

28.Which of the following could be the order of the Cartoon series played from first to last?

A. Johny Bravo, Looney Tunes, Beyblade, Naruto, Richie Rich, Doremon, X-Men, Dexter

B. Looney Tunes, Dexter, Naruto, Johny Bravo, Doremon, Beyblade, X-Men, Richie Rich

C. Johny Bravo, Looney Tunes,Dexter,Beyblade,Naruto,X-Men,Doremon, Richie Rich

D.Looney Tunes, Johny Bravo, Dexter,Beyblade, Doremon, Naruto,X-Men, Richie Rich

E. Looney Tunes, Dexter, Beyblade, Doremon, Johny Bravo ,Richie Rich, Naruto, X-Men

29. Which one of the following must be true?

A. At least 4 Cartoon series are played at some time after Johny Bravo

B. At least 4 Cartoon series are played at some time after Looney Tunes

C. At least 2 Cartoon series are played at some time after Naruto

D. At least 2 Cartoon series are played at some time before Dexter

E. At least 2 Cartoon series are played at some time before Richie Rich

30. Each of the following could be true EXCEPT:

A. X-Men is played before Dexter

B. Richie Rich is played before Looney Tunes

C. Dexter is played before Johny Bravo

D. Doremon is played after Beyblade

E. Naruto is played before Johny Bravo

XYZ Showbiz recently planned to produce movies based on Indian festivals. It has 7 crore left in the budget and eight movies to choose from. It has agreed to produce no other movies. Each of the existing choice of movies has a minimum requirement of budget which the company needs to provide. The budget required by each movie is as follows:

-Baisakhi : 2.5 crore

- Onam : 1 crore

-Independence day: 0.5 crore

-Raksha Bandhan : 1.5 crore

-Dushehra : 2 crore

-Republic Day : 0.5 crore

- Holi : 3 crore

-Diwali : 4 crore

31. If the company decides to take up the production of movies which require maximum budget in descending order, which is the last movie production they can take up to fit the budget?

A. Independence Day

B. Baisakhi

C. Holi

D. Raksha Bandhan

E. Onam

32. Some members of the company favor the production of Diwali while others are adamant to give priority to the production of Dushehra. If the company decides to provide finances to these two movies, which other movies can the company fund?

A. Independence Day and Republic Day

B. Baisakshi

C. Onam and Independence Day

D. Holi

E. Republic Day and Raksha Bandhan

33. If the company decides to take up the projects which require minimum budget first in ascending order, how much of the budget is left unutilized( since the company can not pay up partially)?

A. 1 crore

B. 3 crore

C.1.5 crore

D.0.5 crore

E.2.5 crore

34. If XYZ Showbiz decides to take up the projects of Dushehra, Republic Day and Holi, which two other projects can they provide the funds for?

A. Onam and Diwali

B. Onam and Independence Day

C. Baisakhi and independence Day

D. Baisakhi and Diwali

E. Onam and Baisakhi

35. If XYZ showbiz decides to take up the projects of Dushehra, Republic Day and Holi, the only single project that can be funded now is:

A. Baisakhi

B. Onam

C. Independence Day

D. Raksha Bandhan

E. Diwali

36. If BRAB+ RABE=AADAM; What is the value of R+A+B?

A.13

B.12

C.14

D.11

E. None of these

37.In a wedding party involving boys and girls how many ways can 12 boys and 8 girls be seated at a round table if all the 8 girls do not sit together?

A.19!-12!\*1!

B.20!-12!\*8!

C.19!-11!\*7!

D.19!-12!\*8!

E. None of these

38. Find the next term in the series:

(4+1),(6+2),14,22,38,58,……

1. 50
2. 60
3. 98
4. 78
5. None of these

39. Sarita driving her car at 30 kmph reaches her office 8 minutes late. Had she driven 25% faster on an average she would have reached 8 minutes earlier than the scheduled time. How far is her office?

A.38 km

B. 72 km

C. 40 km

D. 36 km

E. None of these

40. Kartik was asked to create natural numbers of any number of digits using 0,7,2,3,8,1,6 with only one condition i.e. no digits should be repeated. The number of natural numbers that kartik can create is:

A.7422

B.11742

C.11743

D.7423

E. None of these