SBI PO Prelims Memory based Question Paper 2018

Reasoning Ability

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

Ten students namely viz A, B, C, D, E, F, G, H, I and J of ten different colleges but not necessarily in the same order have match on five different days starting from Monday to Friday of the same week. Each student have match at two different time slots, i.e 09.00 AM and 5 P.M. Each student like different states namely viz - UP, MP, AP, HP, Gujarat, TN, Kerala, Karnataka, West Bengal and J&K. Persons who like Karnataka, UP, HP, TN and J&K have match at 9.00 AM. Persons who like Kerala, MP, AP, Gujarat and West Bengal have match at 5:00 P.M. I has a match on Tuesday at 9.00 AM. The number of people who have match between G and D is same as the number of people who have match between C and H. Persons who like Karnataka and Gujarat have match on Monday and the persons who like J&K and West Bengal have match on Friday. B has a match immediately before I. I does not have match on any of the days before G. The one who has match at 9.00 AM immediately before J. H does not has match at 5 P.M D has a match immediately after the day of one who has match on Monday. F does not have match at 5 P.M. D does not has match on any one of the days after E. Only three people have match between G and E. Persons who like HP and AP went to match neither on Tuesday nor Thursday. Neither E nor G does not have match on Friday. Only two people have match between F and J. F does not has match on any of the days after H. Persons who like UP and MP does not have match on Thursday.

1. How many persons have match at 5.P.M between G and H?

1. 5
2. 6
3. 2
4. 4
5. None of these.

Answer - 4. 4

Explanation:

Person	Day	Time	State
G	Mon	9.00 AM	Karnataka
B	Mon	5.00 PM	Gujarat
I	Tue	9.00 AM	UP
D	Tue	5.00 PM	MP
E	Wed	9.00 AM	HP
C	wed	5.00 PM	AP

F	Thu	9.00 AM	TN
H	Thu	5.00 PM	Kerala
H	Fri	9.00 AM	J&K
J	Fri	5.00 PM	West Bengal

2. Who among the following person has match at 09 A.M?
1. C
2. B
3. D
4. A
5. E
Answer - 5. E

3. Four among the following form a group in a certain way. Which of the following does not belong to Group?
1. G – Tuesday
2. I – Wednesday
3. F - Friday
4. G – Wednesday
5. E – Thursday
Answer - 4. G – Wednesday

4. Who among the following likes West Bengal state?
1. I
2. J
3. F
4. D
5. C
Answer - 2. J

5. Who among the following have match on Thursday?
1. I,E
2. H,J
3. F,A
4. D,E
5. E,C
Answer - 3. F,A

6. How many such pairs of letters are written in the word COMPOSE each of which has many letters between them in the word as they have between them in the English alphabetical series?
1. None
2. One
3. Two
4. Three
5. None of these
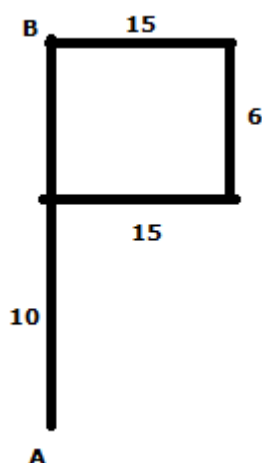
Answer - 4. Three
Explanation:
Forward - OS, MO
Reverse - OP

7. A car starts from point A and travel 10 km towards North. It takes a right turn and travels 15 km. Now it travels 6 km after taking a left turn. Finally, it takes a left turn, travels 15 km and stops at point B. If Point Q is 10m North from Point A. What is the difference between the Points PQ-QB?
1. 6 km
2. 5 km
3. 4 km
4. 8 km
5. None of these
Answer - 3. 4 km
Explanation:

Directions:Q(8 -10) The following questions are based on the five three digit number given below:

674, 522, 427, 386, 286

8. If 2 is added to the first digit of each of the numbers how many numbers thus formed will be divisible by three ?
1. None
2. One
3. Two
4. Three
5. None of these
Answer - 3. Two
Explanation:
674, 522, 427, 386, 286
874, 722, **627**, 586, **486**

9. If all the digits in each of the numbers are arranged in descending order within the number, which of the following will be highest number in the new arrangement of numbers?

1. 674
2. 386
3. 286
4. 427
5. None of these

Answer - 2. 386
Explanation:
674, 522, 427, 386, 286
764, 522, 742, **863**, 862

10. What will be the resultant number if the second digit of the second lowest number is divided by the third digit of the highest number ?

1. 2
2. 3
3. 0
4. 1
5. 4

Answer - 1. 2
Explanation:
674, 522, 427, 386, 286
8/4 = 2

Directions (11-12) Study the following information carefully to answer the given questions:

Among five friends P, Q, R, S and T each bought a saree of a different price. P paid more than both T and R. Only Q paid more than S. R did not pay the minimum amount. R paid Rs 2000 for the saree.

11. Who among the following paid the second highest amount?

1. Q
2. S
3. R
4. T
5. None of these

Answer - 2. S
Explanation:
Q>S>P>R(2000)>T

12. Who among the following possibly paid Rs 1500?

1. Q
2. S
3. R
4. T
5. None of these

Answer - 4. T

Directions (13-17): Study the following arrangement of letters, numbers and symbols carefully to answer the given questions.

L 4 B % R 3 A 6 # G N @ I 2 D 9 © K U $ W 1 M P 5 * Q 8 T

13. If all the numbers are dropped from the above arrangement, which of the following will be ninth to the left of W?
1. A
2. #
3. R
4. ©
5. Other than those given as options
Answer - 5. Other than those given as options
Explanation:
L B % R A # **G** N @ I D © K U $ W M P * Q T

14. How many such numbers are there in the given arrangement each of which is immediately preceded by a symbol and immediately followed by a letter ?
1. None
2. Two
3. Three
4. More than three
5. One
Answer - 1. None

15. Which of the following is fifth to the right of the eighteenth from the right end of the above arrangement ?
1. ©
2. I
3. A
4. M
5. Other than those given as options
Answer - 1. ©
Explanation:
L 4 B % R 3 A 6 # G N @ I 2 D 9 **©** K U $ W 1 M P 5 * Q 8 T

16. Which of the following is fourth to the right of twelfth from the left end of the above arrangement ?
1. 2
2. D
3. 9
4. M
5. Other than those given as options
Answer - 3. 9
Explanation:
L 4 B % R 3 A 6 # G N @ I 2 D **9** © K U $ W 1 M P 5 * Q 8 T

17. Four of the following five are alike in a certain way based on their positions in the given arrangement and hence form a group. Which is the one that does not belong to that group ?
1. G@#
2. D©2
3. UWK
4. %3B
5. 5QM
Answer -5. 5QM

18. Statements: Z>N=I≥W<O≤M; O>S; T<N
Conclusions: i. M>S, ii. Z<W
1.Only I is true
2.Only II is true
3.Either I or II true
4.Neither I nor II is true
5.Both I and II are true
Answer - 1.Only I is true

19. Statements: A≥D≥O>I≤R≤F
Conclusions: i. A>R, ii. D≤F
1.Only I is true
2.Only II is true
3.Either I or II true
4.Neither I nor II is true
5.Both I and II are true
Answer - 4.Neither I nor II is true

20. Statements: A<P≤K = R≥B; H≥R<I; L≥P
Conclusions: P≤B, A<H
1.Only I is true
2.Only II is true
3.Either I or II true
4.Neither I nor II is true
5.Both I and II are true
Answer - 2.Only II is true

21. Statements :
C ≥ D > E = M < J = L
Conclusions :
I. L > E
II. C ≥J
1. Either conclusion I or II is true
2. Both conclusions I and II are true
3. Only conclusion I is true
4. Only conclusion II is true
5. Neither conclusion I nor II is true
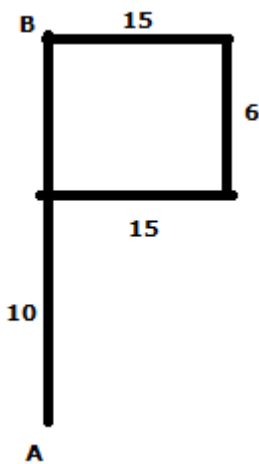**Answer - 3. Only conclusion I is true**

22. A car starts from point A and travel 10 km towards North. It takes a right turn and travels 15 km. Now it travels 6 km after taking a left turn. Finally, it takes a left turn, travels 15 km and stops at point B.
How far is point B with respect to point A?
1. 16 km
2. 25 km
3. 14 km
4. 10 km
5. None of these
Answer - 1. 16 km
Explanation:

23. In a certain code language "SERIES" is written as "QCGTGU". How is EXPERT written in that code language?
1. VTGRZG
2. RPCRZG
3. GZRCPR
4. RPCGZR
5. None of these
Answer - 2. RPCRZG

24. In a row of 34 students, W is fifth after X from the left and X is 20th from the right. What is the position of W form the left?
1. 20
2. 25
3. 30
4. 22
5. None of these
Answer - 1. 20
Explanation:
X 4 W
20   15 --- from right
14 X 4 W 14
W - 20th

25. What will come in place of question mark (?) in the following series.
TG HU VI JW ?
1. KY
2. KX
3. YK
4. XK
5. None of these
Answer - 4. XK

Directions.Q (26-30) Study the following information carefully to answer the given questions:

Eight people viz. A,B,C,D,E,F,G and H are sitting around a square table in such way that four of them sit at four corners of the table while four sits in the middle of each of the four sides, but not necessarily in the same order. Persons sitting in the middle of the sides are facing the centre and the persons sitting at the corners of the table are facing outside.
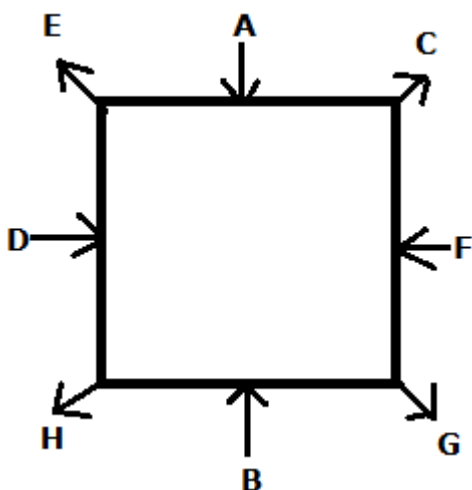A sits in the middle of one of the sides the square. D is not an immediate neighbor of C. B sits second to the right of D. F sits second to the right of B. C is an immediate neighbour of A. E sits second to the left of C. Only three people sit between E and G. Only two people sit between G and D (either from left or right).

26. How many people sit between C and H when counted from the left of H?
1. None
2. Two
3. One
4. Three
5. More than three
Answer - 4. Three
Explanation:

27. Which of the given statements is not true as per the given arrangement?
1. G sits at one of the corners of the table
2. All the given statements are true
3. Only three people sit between F and D
4. B and F face the centre

5. E sits second to the right of F
Answer - 5. E sits second to the right of F

28. Which of the following pairs represents the people sitting between H and F , when counted from the left of F?
1. G,B
2. C,G
3. C,E
4. A,D
5. B,D
Answer - 1. G,B

29. As per the given arrangement, four of the following five are alike in a certain way and thus they form a group. Which one of the following does not belong to that group?
1. C
2. D
3. H
4. G
5. E
Answer - 2. D

30. Who sits third to the left of B ?
1. G
2. A
3. E
4. H
5. C
Answer - 3. E

Directions.Q (31-35) Study the following information carefully to answer the given questions:

A, B, C, D, E, F and G are seven people live on seven different floors of a building but not necessarily in the same order. The lowermost floor of the building is numbered 1, the one above that is numbered 2 and so on till the topmost floor is numbered 7. Each one of them earn different amount per month. i.e. 23000, 16000, 11000, 26000, 31000, 36000 and 41000. The one who earns Rs.16000 lives on one of the odd numbered floors above D. Only three people live between C and the one who earns 16000. The one who earns Rs.11000 lives immediately above C. F earns 11000. The one who earn Rs.23000 lives immediately above the one who earns Rs.41000. Only one person lives between B and E. B lives on one of the floors above E. Neither C nor A earns Rs.26000. E does not earn Rs. 11000. A lives on an odd numbered floor but not on the floor numbered three. The one who earns Rs.31000 lives immediately above A. Only two people live between A and the one who earns Rs.11000.

31. Which among the following is the salary of B?
1. Rs. 23000
2. Rs. 41000
3. Rs. 36000

4. Rs. 31000
5. None of these
Answer - 4. Rs. 31000
Explanation:

Floor	Persons	Salary
7	G	26000
6	B	31000
5	A	16000
4	E	23000
3	D	41000
2	F	11000
1	C	36000

32. Which of the following combination is true as per the given arrangement?
1. A – 16000
2. C – 31000
3. B – 36000
4. F – 23000
5. None of these.
Answer - 1. A – 16000

33. Who among the following lives in floor no 3 ?
1. A
2. C
3. D
4. F
5. None of these.
Answer - 3. D

34. Four among the following form a group in a certain way.Which of the following does not belong to Group?
1. G – 16000
2. A – 41000
3. B – 23000
4. F – 41000
5. E – 11000
Answer - 4. F – 41000

35. Who among the following earns Rs. 36000?
1. A
2. C
3. D
4. F

5. None of these.
Answer - 2. C

English

Directions Q.(36-40): In the questions given below, there is a sentence in which one part is given in bold. The part given in bold may or may not be grammatically correct. Choose the best alternative among the four given which can replace the part in bold to make the sentence grammatically correct. If the part given in bold is already correct and does not require any replacement, choose option (5), i.e. "No replacement required" as your answer.

36. Although it is easy to laugh off or flatly dismiss U.S. President Donald Trump's 'un-American' policies, a closer look at the larger context of his actions, articulations and their potential implications indicates the onset of a whole new world order, one that we may not necessarily like.
1. as it is easy
2. since it is easy
3. while it is easy
4. though it is easy
5. No replacement required
Answer- 3. while it is easy

37. To the framers of our Constitution, who fought for political independence **from colonial rule upon** the Enlightenment principle of "have courage to use your reason", and who trusted the Indian people to make that most important of all decisions — the decision to choose their own rulers — we can only say that the transformation of the Supreme Court into the Supreme Censor would have come as an unpleasant shock.
1. since the colonial rule in the
2. from colonial rule on the
3. for colonial rule on the
4. henceforth the colonial rule upon the
5. No replacement required
Answer - 2. from colonial rule on the

38. Parliamentary practice and procedure speak only of motions of confidence, or of no confidence. The House expresses its confidence in the council of ministers led by the Chief Minister or Prime Minister, **led to the continuance of** the ministry. Alternatively, it expresses no confidence in them, leading to the ministry's resignation.
1. has led to the continuance of the
2. is been leading to the continuance of the
3. has had been lead to the continuance of the
4. leading to the continuance of the
5. No replacement required
Answer- 4. leading to the continuance of the

39. While the world's "indispensable nation" may not go back to the days of interwar isolationism, there is a strong tendency in the U.S. today **to shift focus** inwards and be suspicious of free trade, military alliances and overseas commitments.
1. to make focus
2. in shifting focus
3. while shifting focus
4. by shifting the focus

5. No replacement required
Answer- 5. No replacement required

40. The skewed rules in the areas of agriculture and intellectual property rights have been flagged **from the developing countries** as their particular areas of concern.
1. by the developing countries
2. in the developing countries
3. as soon as the developing countries
4. since the developing countries
5. No replacement required
Answer - 1. by the developing countries

Directions Q.(41-45): Select the phrase/connector (it must be at the start) from the given three options which can be used to form a single sentence from the two sentences given below, implying the same meaning as expressed in the statement sentences.

41. Forests contribute substantially to the social and economic development of the country. They have major role to play in enhancing the quality of our environment.
(i) having a major role to............
(ii) contributing substantially to the social and economic development.....
(iii) enhancing the quality of environment............
1. Both (i) and (iii)
2. Only (iii)
3. Only (ii)
4. Only (i)
5. None of these
Answer - 4. Only (i)
Explanation :
Having a major role to play in enhancing the quality of our environment , forests contribute substantially to the social and economic development of the country.

42. The education system in India continues to churn out lakhs of matriculates and graduates every year. These people have no vocational training.
(i) churning out lakhs of matriculates........
(ii) having no vocational training..........
(iii) matriculating and graduating..........
1. only (i)
2. only (ii)
3. Both (i) and (iii)
4. only (iii)
5. None of these
Answer - 2. only (ii)
Explanation :
Having no vocational training , the education system in India continues to churn out lakhs of matriculates and graduates every year.

43. These are a large number of people in our society who have formally studied science driven by job expectations. This has caused the retreat of traditional values and a degree of modernization and homogenization of society.
(i) formally studying science...........
(ii) degree of modernization and homogenization..........
(iii) causing the retreat of traditional values.......
1. only (iii)
2. only (ii)

3. both (ii) and (iii)
4. both (i) and (ii)
5. None of these
Answer - 1. only (iii)
Explanation :
causing the retreat of traditional values and a degree of modernization and homogenization of society , large number of people in our society have formally studied science driven by job expectations

44. A woman is solely responsible for the health and well being of the family. She knows the importance of cleanliness and well balanced nutritious diet.
(i) responsibility for the health and well being..........
(ii) knowing the importance of cleanliness........
(iii) as a well balanced diet..............
1. only (iii)
2. only (ii)
3. both (i) and (ii)
4. only (i)
5. None of these
Answer- 2. only (ii)
Explanation :
Knowing the importance of cleanliness and well balanced nutritious diet , a woman is solely responsible for the health and well being of the family.

45. A good sportsman is characterized by his courage, positive attitude and indomitable spirit. He doesn't lose heart when he is losing a game but tries his best to win till the very end.
(i) not losing heart when he is losing............
(ii) Characterized by.....
(iii) losing a game...........
1. only (ii)
2. only (iii)
3. only (i) and (ii)
4. Both (i) and (iii)
5. None of these
Answer - 3. only (i) and (ii)
Explanation :
Not losing heart when he is losing a game but tries his best to win till the very end , a good sportsman is characterized by his courage, positive attitude and indomitable spirit.
Characterized by his courage, positive attitude and indomitable spirit. A good sportsman doesn't lose heart when he is losing a game but tries his best to win till the very end.

Directions,Q(46-50) - Complete the sentences
46. Hindu society is _____ in massive crimes perpetrated against Dalits, Muslims, and women, because it is silent in the face of atrocities practised by _____ who single-handedly define what they consider 'morality', and who punish people merely on suspicion that they violate codes of Hinduism.
1. unassuming , forthright
2. canning , vale
3. strategic , guileful
4. complicit , vigilantes
5. duplicitous , naive
Answer- 4. complicit , vigilantes
Explanation :
Complicit – involved with others in an activity that is unlawful or morally wrong

Vigilantes- a member of a self-appointed group of citizens who undertake law enforcement in their community without legal authority

47. Nietzsche has influenced twentieth century thought more than almost any other thinker. He has been a/an _____ to almost every new movement in Continental philosophy in this century, and his critiques and _____ were far ahead of his time.
1. discreet , circumspect
2. inspiration , methodology
3. discerning , precautious
4. chary , adept
5. judicious , reasonable
Answer - 2. inspiration , methodology
Explanation :
Inspiration- the process of being mentally stimulated to do or feel something, especially to do something creative
Methodology- a system of methods used in a particular area of study or activity

48. Plato instead chose to focus his efforts in the realm of philosophy, assuming a lifelong _____ to formalize the verbal Socratic method and findings of philosophical inquiry as well as to further develop his own treatment of the investigations his mentor Socrates began. His writings, which often take the form of a hypothetical dialogue between Socrates and some of his _____, include studies of ethics, metaphysics, epistemology, justice, politics, and virtue.
1. quest , contemporaries
2. sagacious , tactful
3. prudent , wary
4. considerate , politic
5. cagy , strategic
Answer - 1. quest , contemporaries
Explanation :
Quest- a long or arduous search for something
Contemporaries- a person or thing living or existing at the same time as another.

49. Ecological ruin is on a _____ across South Asia, with life and livelihood of nearly a quarter of the world's population affected. Yet, our polities are able to neither fathom nor address the degradation. The distress is _____ in the northern half of the subcontinent, roping in the swathe from the Brahmaputra basin to the Indus-Ganga plain.
1. nimble-witted , sly
2. gingerly , conservative
3. crafty , adroit
4. shrewd , designing
5. gallop , paramount
Answer- 5. gallop , paramount
Explanation :
Gallop- proceed at great speed
Paramount- more important than anything else

50. One important aspect of recent urban history in Europe has been the emergence of _____, which saw thousands of empty buildings become citadels of youth subcultures. Young people with little capital took over unused spaces -sometimes with political support -and transformed them into vibrant _____ zones.
1. dexterous , tentative
2. manipulations , vulpine

3. squats , autonomous
4. glistening , astute
5. soapy , perilous
Answer - 3. squats , autonomous
Explanation :
Squats- a building occupied by people living in it without the legal right to do so
Autonomous- having the freedom to govern itself or control its own affairs

Directions.Q(51-55) – Pick the most suitable phrase.

51. West Asia _____ at least since the turn of the century when the growth of jihadist extremism seared itself on the global consciousness with 9/11 though its shoots were visible in the region a decade earlier.
1. is in a state of frugality
2. going through turmoil
3. is walking on eggs
4. has been in turmoil
5. is on the lookout
Answer - 4. has been in turmoil
Explanation :
has been in turmoil - a state of great disturbance

52. Press which claims to be free; conveniently forgets the constraints _____ functions because of the control and ownership by large business houses.
1. due to which
2. under which it
3. because of which
4. through which
5. beforehand it
Answer - 2. under which it
Explanation :
under which it – below something

53. There is _____ ecological spectrum, but one need only study the rivers and the atmosphere to track the inaction of governments and our weakened activism.
1. playing safe on
2. thinking twice
3. one's eyes peeled
4. circumspection upon
5. distress across the
Answer - 5. distress across the
Explanation :
distress across the - throughout pain or agony

54. The grey Stalinist blocks, potholed roads and intimidating communist-era plazas _____ a hipster hotspot. But Narva, an Estonian town on Russia's border, is suddenly all the rage.
1. wide awakening in
2. not missing a trick on
3. hardly suggest
4. going through discern in
5. are perverting upon
Answer - 3. hardly suggest
Explanation :

hardly suggest - rarely recommending

55. Governors too have not come out with flying colours as they unabashedly protect the interests of the party that appointed them. That is why the recommendations of the Sarkaria Commission, and later the Punchhi Commission, had clear guidelines for Governors to act when inviting leaders to be sworn in _____ is out.
1. after the electoral verdict
2. as upon the intent of legislature
3. before the verdict
4. when the solidarity
5. when the meticulous verdict
Answer - 1. after the electoral verdict
Explanation :
after the electoral verdict - at the end of

Directions.Q(56-60): Given below the sentences each of which has been divided into five parts out of which the first part has been marked bold. Each of the questions is then followed by the five options which give the sequence of the rearranged parts. You must choose the option which gives the correct sequence of the parts. If the sentence is already arranged or the correct sequence doesn't match any of the given sequence, mark (5) .i.e. "None of these" as your answer.

56. For Barack Hussein Obama / was a phenomenon — a man who had to affirm (A) / his black roots without denying white America its own deep and broad embedding (B) /. He wanted to change things, (C) /but without disturbing too much (D)
1. ADCB
2. BADC
3. DACB
4. ACBD
5. None of these
Answer - 5. None of these

57. Although the new government/ and working classes rather than from the aristocracy— (A) / , the country's new rulers were drawn largely from the intellectual (B)/ would prove to be at least as repressive as the one it replaced (C) / which meant a considerable change in direction for Russia (D).
1. BDAC
2. ACDB
3. CBAD
4. DBCA
5. None of these
Answer - 3. CBAD
Explanation :
Although the new government would prove to be at least as repressive as the one it replaced, the country's new rulers were drawn largely from the intellectual and working classes rather than from the aristocracy—which meant a considerable change in direction for Russia.

58. Given a porous border / to any political reconciliation in Afghanistan (A) /with Afghanistan with tribal linkages cutting (B)/ can be understood as also the fact that it is critical (C)/ across the Durand Line, Pakistan's legitimate interests (D) /
1. BDCA
2. ADBC
3. DACB
4. CABD
5. None of these

Answer - 1. BDCA
Explanation :
Given a porous border with Afghanistan with tribal linkages cutting across the Durand Line, Pakistan's legitimate interests can be understood as also the fact that it is critical to any political reconciliation in Afghanistan.

59. Turkish President Recep Tayyip Erdogan / is on the horns of a dilemma: whether to go the whole hog and (A) / or still pretend to be moderate for the sake of conserving his fragile ties with the West (B)/ the jihadist cause in order to broaden his eroding support base in the country,(C) / align himself with the extremist elements propping up (D)
1. DBCA
2. CDAB
3. BDAC
4. ADCB
5. None of these
Answer - 4. ADCB
Explanation :
Turkish President Recep Tayyip Erdogan is on the horns of a dilemma: whether to go the whole hog and align himself with the extremist elements propping up the jihadist cause in order to broaden his eroding support base in the country, or still pretend to be moderate for the sake of conserving his fragile ties with the West.

60. Roughly spanning the / the Gilded Age saw rapid industrialization, urbanization, (A) / years between Reconstruction and the dawn of the new century (B),/ the construction of great transcontinental railroads, (C) / innovations in science and technology, and the rise of big business (D) /
1. BACD
2. ACBD
3. ACBD
4. DABC
5. None of these
Answer - 1. BACD
Explanation :
Roughly spanning the years between Reconstruction and the dawn of the new century, the Gilded Age saw rapid industrialization, urbanization, the construction of great transcontinental railroads, innovations in science and technology, and the rise of big business.

Directions.Q(61 - 65): In the following questions two columns are given containing three sentences/phrases each. In first column, sentences/phrases are A, B and C and in the second column the sentences/phrases are D, E and F. A sentence/phrase from the first column may or may not connect with another sentence/phrase from the second column to make a grammatically and contextually correct sentence. Each question has five options, four of which display the sequence(s) in which the sentences/phrases can be joined to form a grammatically and contextually correct sentence. If none of the options given forms a correct sentence after combination, mark (e), i.e. "None of these" as your answer.

61. Column (1):
(A) Strike is the refusal by workers to work
(B) Strike can also be 'sympathy' strike to express
(C) In order to pressurize the management to accept their demands
Column (2):
(D) used only in the extreme circumstances when all other democratic means to negotiate have come to a end

(E) has become almost the sole means for the workers to force the management
(F) solidarity with their brethren elsewhere
1. A-D
2. B-F
3. C-D
4. B-E and C-D
5. None of these
Answer- 2. B-F
Explanation :
Strike can also be 'sympathy' strike to express solidarity with their brethren elsewhere.

62. Column (1):
(A) A small scale enterprise is the dream of an ambitious individual (B)
(B) Such a person wants to have guidance
(C) While in the process of identifying the project
Column (2):
(D) and if he loses he has lost everything
(E) who does not want to be employed by others but to stand on his own legs
(F) that may suit his background, within his capacity to invest, relevant to the location he prefers
1. C-F
2. B-E
3. A-E
4. B-D
5. None of these
Answer - 3. A-E
Explanation :
A small scale enterprise is the dream of an ambitious individual who does not want to be employed by others but to stand on his own legs.

63. Column (1):
(A) Regional aspirations can no longer
(B) The most vital change necessary at this point
(C) The disintegration of the Soviet Union
Column (2):
(D) are vital for changing the present centralized federation into a cooperative policy
(E) plea for a comprehensive review of the entire gamut of Centre-State relations
(F) has important implications for the Union of India
1. C-F
2. B-D
3. A-E
4. B-E and C-F
5. None of these
Answer - 1. C-F

64. Column (1):
(A) Human beings are a resource but it needs to be developed
(B) Development of human resource implies
(C) It is quite true that machines displace man from his job
Column (2):
(D) and harnessed else it is like an unpolished diamond which is just a piece of coal
(E) that serves the spiritual and aesthetic needs of man
(F) and leadership qualities that are important in life
1. B-D and C-E
2. C-F

3. B-E
4. A-D
5. None of these
Answer - 4. A-D
Explanation :
Human beings are a resource but it needs to be developed and harnessed else it is like an unpolished diamond which is just a piece of coal.

65. Column (1):
(A) The tribal ethics of forest conservation stems
(B) India is a land of diverse Natural resources
(C) The dependence of tribals on forests is maximum
Column (2):
(D) and maintained through a symbiotic relationship with forests
(E) and their long-term interest lies in protection and not in destroying forests
(F) and are indicative of what forest wealth the country once harbored
1. C-E
2. A-D and B-E
3. C-F and B-D
4. A-F
5. None of these
Answer - 1. C-E
Explanation :
The dependence of tribals on forests is maximum and their long-term interest lies in protection and not in destroying forests.

Quantitative Aptitude

66) A watercraft goes downstream from one point to another in 19 hours. It covers the same distance upstream in 23 hours. If the speed of the stream is 2 kmph, then find the distance between the two points?
1) 323 km
2) 437 km
3) 399 Km
4) 441 km
5) Cannot be determined
Answer - 2) 437 km
Explanation:
19(S+R) = 23(S-R)
S = 21 R =2
D = 19*23 = 437

67) A van starts with the speed of 60 kmph with its speed increasing every three hours by 10 kmph. In how many hours will it cover 470 km?
1) 3 hours
2) 4 hours
3) 5 hours
4) 6 hours
5) 7 hours
Answer - 5) 7 hours
Explanation:
470 = 60*3+70*3+80*t

t =1 hour
Total time = 7 hours

68) Ravi sells 3 different files, first at profit 20%, second at 25% loss and third at 10% loss. During the whole transaction he bears the loss of Rs.120, find the cost price of first file if their SP is same?
1) Rs. 260
2) Rs. 120
3) Rs. 360
4) Rs. 480
5) Cannot be determined
Answer - 3) Rs. 360
Explanation:
x = A*120/100 = 1.2A
x = B*75/100 = 0.75B
x = C*90/100 = 0.9C
Loss = (A+B+C) – (1.2A+0.75B+0.9C) = 120
0.4A+ 0.4A/3 -0.2A =120
A = 360

69) The CI on a certain sum for 2 years is Rs. 1512 and SI is Rs.1440. If the sum is invested such that the SI is Rs. 2592 and the number of years is equal to the rate of interest per annum, then find the rate?
1) 4%
2) 5%
3) 8%
4) 6%
5) Cannot be determined
Answer - 4) 6%
Explanation:
SI for first year = Rs.720
CI-SI = 72
Interest on Rs.720 for 1 year =Rs.72
then R =10%
1440 = (P*2*10)/100
P =7200
7200*R*R/100 =2592
R =6

70) 40 staffs can complete a job in 46 days. After 40 days, some more staffs joined and the job was completed 2 days earlier. How many new staffs joined?
1) 14
2) 15
3) 11
4) 18
5) 20
Answer – 5) 20
Explanation :
40 * (46-40) = (40+X) * (6-2)
X = 20

Directions.(Q.71-75) Study the information carefully to answer the questions that follow :

Data regarding the number of people (both graduate and non-graduate) who participated in a Marathon

Month	No. of graduates (males +females)	Overall ratio (non-graduate : graduates) (out of those who participated)	Number of males (graduates + non-graduates) (out of those who participated)
July	420	5 : 6	250
August	350	3 : 5	240
September	320	5 : 4	320
October	300	6 : 5	300
November	420	2 : 3	320

Total number who participated Marathon = Number of graduates + Number of non-graduates

71) The total number of people(graduates + non-graduates) who participated the Marathon in July was what percent more than those who participated in November?
1) 17%
2) 15%
3) 10%
4) 15%
5) 20%
Answer - 3) 10%
Explanation:
Total number of people who participated the Marathon in July = 420 x (420/6) =770
Total number of people who participated the Marathon in November = 420 + 2X (420/3)=700
Required % more = [(770-700)*100]/700= 10%

72) In November, if 192 non-graduate males participated the Marathon, what was the number of graduate females who participated the Marathon in that Month?
1) 292
2) 314
3) 128
4) 248
5) 282
Answer - 1) 292
Explanation:
Number of graduate males in November = 320-192= 128
graduate females in November =420-128= 292

73) In December, if the number of non-graduates (males + females) increased by 40% and that of graduates (males + females) reduced by 20%, as compared to August, what was the difference between the number of graduates and non-graduates who participated the Marathon in December?
1) 18
2) 24
3) 22
4) 14
5) 28

Answer - 4) 14
Explanation:
Number of non-graduate (males + female) in August = 350 * (3/5) =210
Required difference =(21 * 140/100) − (350 * 80/100)=14

74) What is the average number of non-graduates (males + females) who participated the Marathon in July, September and October?
1) 370
2) 380
3) 360
4) 280
5) 310
Answer - 1) 370
Explanation:
Required average = [(420 * 5/6 + 320 *5/4 + 300 * 6/5)]/3=370

75) What is the ratio of the total number of males (graduates + non-graduates) who participated the Marathon in August and September together to that of females (graduates and non-graduates) who participated the Marathon in the same Months together?
1) 5 : 6
2) 7 : 9
3) 4 : 7
4) 9 : 7
5) 3 : 2
Answer - 2) 7 : 9
Explanation:
Number of non-graduates (males + females) in August = 350 * 3/5 = 210
Number of non-graduates (males + females) in November = 320 * (5/4)=400
Number of females (graduates + non-graduates) in August = (350 +210-240)=320
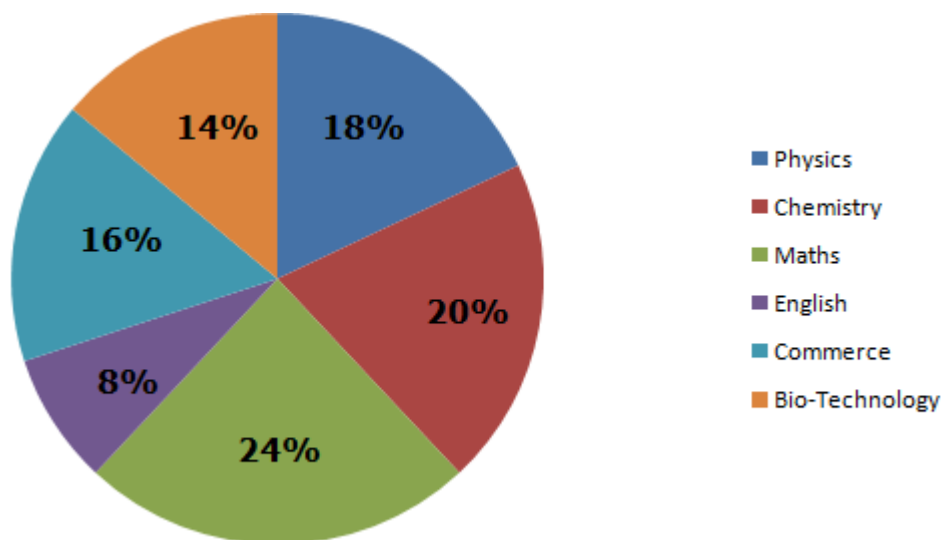Similarly in November = (320+400-320) = 400
Required ratio = (240+320) : (320+400)= 7 : 9

Directions.(Q76-80). Refer to the pie chart and answer the given questions

Percentage of Professors in different departments of colleges in New Delhi in the year 2017.

Total number of Professors = 550

76) In Maths department, the respective ratio between the number of female Professors and male Professors was 5:6. There were equal number of unmarried males and unmarried females in Maths department. If the respective ratio between married females and married males was 4:5, what is the number of unmarried females?
1) 16
2) 12
3) 10
4) 8
5) 20
Answer - 2) 12
Explanation:
Total number of Professors in Maths department
$550 \times 24/100 = 132$
Number of female Professors$= 132 \times 5/11 = 60$
Number of male Professors$= 132 \times 6/11 = 72$
Let the number of unmarried males and females$= x$

$60-x \div 72-x = \frac{4}{5}$

$x = 12$

77) The number of Professors in English department is what percent less than the total number of Professors in Physics and Biotechnology together?
1) 85%
2) 25%
3) 75%
4) 80%
5) 50%
Answer - 3) 75%
Explanation:
Number of Professors in English department $=550 \times 8/100 = 44$
Total number of Professors in Physics and Biotechnology together$=550 \times 32/100 = 176$
Required percentage $= 176-44/176 \times 100$
$=132/176 \times 100 = 75\%$

78) In 2017, there were 30% post graduate Professors in Chemistry. In 2018, 20 Professors of the same department were shifted to 'Chennai'. If in 2018, the percentage of post graduate Professors in Chemistry were the same, how many post graduate Professors were shifted to 'Chennai'?

1) 5
2) 6
3) 7
4) 10
5) 4

Answer - 2) 6

Explanation:

Total number of Professors in Chemistry = 550×20/100=110

In 2017, number of graduate Professors in Chemistry = 110×30/100=33

In 2018, number of remaining Professors =110-20=90

In 2018, the number of graduate Professors in Chemistry =90×30/100=27

∴ Number of shifted Professors = 33-27=6

79) In 2017, the number of female Professors in Commerce department has 5/11 of the total number of Professors in the same department. If the number of female Professors in English department was 16 less than that in Commerce department, what is the number of male Professors in English department?

1) 32
2) 31
3) 28
4) 20
5) 24

Answer - 4) 20

Explanation:

Number of female Professors in Commerce department = 5/11 * 88 = 40

Number of female Professors in English department = 40 - 16 = 24

Number of male Professors in English department = (8/100 * 550) - 24 = 20

80) What is the average number of Professors in Departments Commerce, Maths and Biotechnology?

1) 89
2) 87
3) 97
4) 109
5) 99

Answer - 5) 99

Explanation:

54% of 550 = 297

Average = 297/3 = 99

Directions:Q(81-85) Find out the Wrong number in the Series

81) 4, 9, 26, 63, 130, 229

1) 4
2) 9
3) 63
4) 130
5) 229
Answer – 4) 130
Explanation:
$4 + 2^2 + 1 = 9$
$9 + 4^2 + 1 = 26$
$26 + 6^2 + 1 = 63$
$63 + 8^2 + 1 = 128$
$128 + 10^2 + 1 = 229$

82) 1, 4, 10, 26, 73, 229
1) 73
2) 10
3) 26
4) 1
5) 229
Answer - 4) 1
Explanation :
$2 * 1 + 2 = 4$
$4 * 1.5 + 4 = 10$
$10 * 2 + 6 = 26$
$26 * 2.5 + 8 = 73$
$73 * 3 + 10 = 229$

83) 8, 10, 19, 44, 92, 174
1) 8
2) 10
3) 19
4) 178
5) 96
Answer - 3) 19
Explanation :
$8 + 1^2 + 1 = 10$
$10 + 3^2 - 1 = 18$
$18 + 5^2 + 1 = 44$
$44 + 7^2 - 1 = 92$
$92 + 9^2 + 1 = 174$

84) 20, 19, 37, 110, 439, 2192
1) 439
2) 2192
3) 110
4) 20
5) 37
Answer - 2) 2192
Explanation :
$20*1 - 1 = 19$
$19*2 - 1 = 37$
$37*3 - 1 = 110$
$110*4 - 1 = 439$
$439*5 - 1 = 2194$

85) 5, 6, 12, 29, 80, 247.5
1) 80
2) 247.5
3) 29
4) 12
5) 5
Answer - 1) 80
Explanation :
5 * 1 + 1 = 6
6 * 1.5 + 3 = 12
12 * 2 + 5 = 29
29 * 2.5 + 7 = 79.5
79.5 * 3 + 9 = 247.5

Directions.Q(86-90) Study the following information and answer the questions given below

In a school, there are 700 students. All of them are divided into five different Batches namely viz., Jasmine, Rose, Sunflower, Lotus and Lily. The number of girls is 12 less than the number of boys in school. One fourth of the total number of students in that school are in Sunflower. 16% of the total number of students in that school are in Jasmine. Lily have 28 more students than in Jasmine. The respective ratio between the number of girls and boys in Jasmine is 1:3. Number of students in Lotus is 11 more than the number of students in Jasmine. There are equal number of boys and girls in Lily. 44% of the number of students in Rose are boys. Two-third of the students in Lotus are girls.

86) What is the respective ratio between the number of students in Rose and the number of students in Lotus?
1) 41:50
2) 50:43
3) 43:50
4) 50:41
5) None of these
Answer - 4) 50:41
Explanation:
Required ratio =150:123 = 50:41

87) Total number of girls In Jasmine and Lotus together are how many more/less than the total number of boys in Rose and Sunflower together?
1) 50
2) 61
3) 48
4) 71
5) None of these
Answer - 5) None of these
Explanation:
Number of girls in Jasmine & Lotus together = 28+28=110

Number of boys in Rose & Sunflower together = 65 +95=161

88) What is the respective ratio between the number of girls in Rose and the number of boys in Lily?
1) 7:6
2) 6:5
3) 5:6
4) 6:7
5) None of these
Answer - 2) 6:5
Explanation:
Required ratio = 84:70 = 6:5

89) Number of boys in Sunflower is approximately what percentage of the total number of girls in the school?
1) 28%
2) 21%
3) 35%
4) 72%
5) None of these
Answer - 1) 28%
Explanation:
Required percentage = (95* 100)/344=27.6 = 28%

90) What is the total number of students in Jasmine, Sunflower and Lotus together?
1) 409
2) 420
3) 410
4) 459
5) None of these
Answer - 3) 410
Explanation:
Required number of students =112+175+123= 410

91. The perimeter of a square is equal to twice the perimeter of a rectangle of length 11m and breadth is 10m
Quantity I: The circumference of a semicircle whose diameter is equal to the side of the square.
Quantity II: The circumference of a semicircle whose radius is 14m
1. Quantity I > Quantity II
2. Quantity I < Quantity II
3. Quantity I ≥ Quantity II
4. Quantity I ≤ Quantity II
5. Quantity I = Quantity II or No relation can be established
Answer - 2. Quantity I < Quantity II
Explanation:
I. Perimeter of rectangle = 2(10+11)=42 so perimeter of a square is 84
Hence side of square = 21

Circumference of semicircle = 22/7 * 21/2 + 2 * 21/2= 54 cm

II. 22/7 *14 +2*14= 72 cm

92. Five years ago, A's age was three times that of B. Ten years ago, A's age was half that of C. C's present age is 36 years.

Quantity I: Difference between C's age and A's age

Quantity II: B's present age

1. Quantity I > Quantity II

2. Quantity I < Quantity II

3. Quantity I ≥ Quantity II

4. Quantity I ≤ Quantity II

5. Quantity I = Quantity II or No relation can be established

Answer - 1. Quantity I > Quantity II

Explanation:

I. A's present age = (36-10)/2 + 10 = 23

Difference between C's age & A's age =36-23=13

II. B's present age = (23-5)/3 + 5 = 11

Hence Quantity I > Quantity II

93) Vivek, Daniel, Samuel are three partners. They all together invested Rs 140000 in a business for a year. At the end of year Vivek, Daniel and Samuel got Rs 3375, Rs 1125 and Rs 6750 Profit respectively.

Quantity I: The sum of the investments of Vivek & Daniel

Quantity II: The difference between the investments of Vivek & Samuel

1) Quantity I > Quantity II

2) Quantity I < Quantity II

3) Quantity I = Quantity II

4) Quantity I = Quantity II

5) Quantity I = Quantity II or No relation can be established

Answer - 1) Quantity I > Quantity II

Explanation:

3375:1125:6750

Ratio : 3:1:6

Vivek's Investment = 42000

Daniel's Investment = 16000

Samuel's Investment = 84000

From I

Investment of Vivek & Daniel =42000 + 16000 = 58000

From II

Difference of Investment of Vivek & Samuel =84000-42000=42000

Hence Quantity I > Quantity II

94) There are 5 Pink bowls, 4 Purple bowls and 3 Brown bowls in a basket. Four bowls are chosen at random.

Quantity I: The probability of being 2 Pink and 2 Purple bowl

Quantity II: The probability of being 2 Pink, 1 Purple & 1 Brown.

1) Quantity I > Quantity II

2) Quantity I < Quantity II

3) Quantity I ≥ Quantity II
4) Quantity I ≤ Quantity II
5) Quantity I = Quantity II or No relation can be established
Answer - 2) Quantity I < Quantity II
Explanation:
I) (5c2 * 4c2)/12c4 = 60/495=4/33
II) (5c2 * 4c1 *3c1)/12c4 =120/95=8/33
Hence Quantity I < Quantity II

95) Five years ago, Mano's age was three times that of Bharat. Ten years ago, Mano's age was half that of Richard. Richard's present age is 36 years.
Quantity I: Bharat's current age
Quantity II: Difference between Richard's age and Mano's age
1) Quantity I > Quantity II
2) Quantity I < Quantity II
3) Quantity I = Quantity II
4) Quantity I = Quantity II
5) Quantity I = Quantity II or No relation can be established
Answer - 2) Quantity I < Quantity II
Explanation:
Mano's present age = (36-10)/2 + 10 = 23
Bharat's present age = (23-5)/3 + 5 = 11
Difference between Richard's age & Mano's age =36-23=13
Hence Quantity I < Quantity II

96. 44.99 + 23.05 + 43.979 – 17.08 * 5.98 = ?
1. 14
2. 13
3. 10
4. 16
5. None of these
Answer – 3. 10
Explanation :
17 * 6 = 102
45 + 23 + 44 - 102

97. 4899.9 ÷ 27.8 * 443.9 ÷ 11.99 = ?
1. 6312
2. 6223
3. 6475
4. 6217
5. 6421
Answer – 3. 6475
Explanation :
4900 ÷ 28 = 175
444 ÷ 12 = 37
175 * 37 = 6475

98) 5/9 of 503.9 + 3/8 of 639.89 = ?
1) 620
2) 550
3) 520
4) 480
5) 460
Answer – 3) 520
Explanation :
5/9 of 504 = 280 ; 3/8 of 640 = 240 => 280 + 240 = 520

99. 139.8% of 500.02 + 24.08% of 749.80 = ?
1) 550
2) 660
3) 770
4) 880
5) None of these
Answer – 4) 880
Explanation :
700 + 180 = 880

100. 2522.03 ÷ 97.02 + 33.98 * 42.88 – 95.987 + 69.01 = ?
1. 1676
2. 1461
3. 1361
4. 1576
5. None of these
Answer – 2. 1461
Explanation :
26 + (34 * 43) – 96 + 69 = 1461

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