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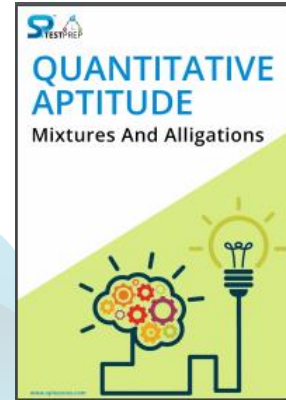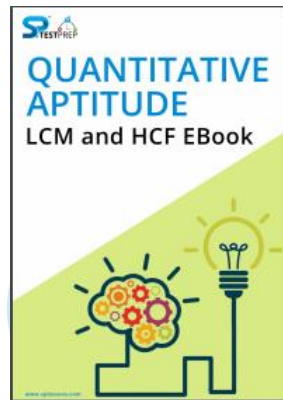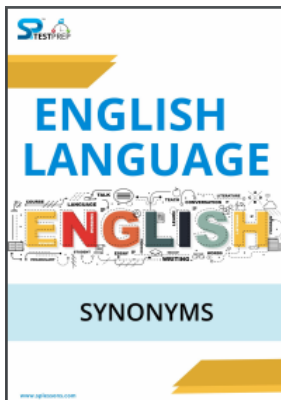
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SSC Selection Post Matriculation level Model Paper 1

1. House: Room: World:

- **A.** Land
- **B.** Sun
- **C.** Air
- **D.** Nation

Answer: D

Explanation: Room is a part of the house. Similarly, nation is a part of the world.

2. Good: Bad: Roof:

- **A.** Walls
- **B.** Pillars
- **C.** Floor
- **D.** Window

Answer: C

Explanation: The second term is antonym of the rst term. Hence, Roof: Floor.

3. Blind: Visual: Deaf:

- **A.** Hearing
- **B.** Listening
- **C.** Auditory
- **D.** Sound

Answer: C

Explanation: Blinds possess visual defects. Similarly, a person having auditory defect is called Deaf.

4. Which of the following is not a ground for claiming discrimination?
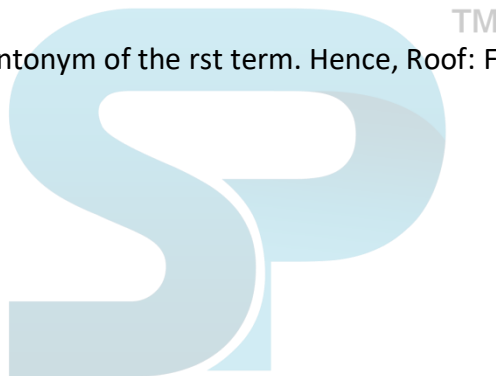
- **A.** Being overweight
- **B.** Marital status
- **C.** Part time workers
- **D.** Being Welsh

Answer: A

Explanation: Being overweight is not a ground for claiming discrimination.

5. Which of the following is generally unlawful in the UK?

- **A.** Discrimination claims on ground of hair colour.
- **B.** Positive action.

C. Discrimination against someone who is clinically depressed.
D. Discrimination on grounds of regional accent.

Answer: C

Explanation: Discrimination claims on grounds of clinical depression is usually unlawful because it is a long term condition which affects someone's capacity to undertake normal day to day activities.

6. Which of the following is not an argument commonly deployed by critics of discrimination laws?

A. Unfair discrimination is economically inefficient and thus does not require regulation.
B. Anti-discrimination law harms groups it is intended to protect.
C. Discrimination law interferes with principles of liberty.
D. Discrimination law fails to deter employers from discriminating unfairly.

Answer: D

Explanation: Discrimination law fails to deter employers from discriminating unfairly is not an argument commonly deployed by critics of discrimination laws

7. Dick and Jane each saved $3,000 in 1989. In 1990 Dick saved 8 percent more than in 1989, and together he and Jane saved a total of $5,000. Approximately what percent less did Jane save in 1990 than in 1989?

A. 8%
B. 25%
C. 41%
D. 59%

Answer: C

Explanation: In 1990 Dick saved 8 percent more than the $3,000 he saved in 1989, which amounted to (1.08) ($3,000), or $3,240. In 1990 he and Jane together saved $5,000. Thus, Jane must have saved only $5,000 - $3,240 = $1,760, which is $1,240 less than she saved in 1990. Therefore, in 1990 Jane saved approximately $1,240/$3,000 = 41% less than she saved in 1989. The best answer is C.

8. The regular price per can of a certain brand of soda is $0.40. If the regular price per can is discounted 15 percent when the soda is purchased in 24-can cases, what is the price of 72 cans of this brand of soda purchased in 24-can cases?

A. $16.32
B. $18.00
C. $21.60
D. $24.48

Answer: D

Explanation: The discounted price of one can of soda is (0.85) ($0.40), or $0.34. Therefore, the price of 72 cans of soda at the discounted price would be (72) ($0.34), or $24.48. The best answer is D.

9. Increasing the original price of an article by 15 percent and then increasing the new price by 15 percent is equivalent to increasing the original price by:

- **A.** 32.25%
- **B.** 31.00%
- **C.** 30.25%
- **D.** 30.00%

Answer: A

Explanation: If p is the original price, then the 15 percent increase in price results in a price of 1.15p. The next 15 percent increase in price results in a price of 1.15(1.15p), or 1.3225p. Thus, the price increased by 1.3225p – p = 0.3225p, or 32.25% of p. The best answer is A.

Directions (10 – 12): Mr. and Mrs. Sharma have two children Asha and Shashi. Shashi married Radha who is the daughter of Mrs. Mahajan. Suresh who is the son of Mrs. Mahajan was married to Rita. Sonu and Rocky are children of Suresh and Rita. Uma and Sudha are daughters of Shashi and Radha.

10. How is Suresh related to Sudha?

- **A.** Brother
- **B.** Uncle
- **C.** Maternal Uncle
- **D.** Nephew

Answer: C

Explanation: Uma and Sudha are daughters of Shashi and Radha. Suresh is the brother of Radha. Therefore, Suresh is maternal uncle of Sudha.

11. The surname of Sonu is _____.

- **A.** Mahajan
- **B.** Sharma
- **C.** Shashi
- **D.** Suresh

Answer: A

Explanation: Sonu and Rocky are children of Suresh Mahajan.

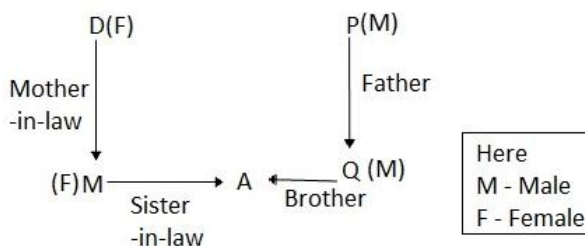Therefore, the surname of Sonu is Mahajan.

12. D' is mother-in-law of 'M' who is sister-in-law of 'A'. 'P' is father of 'Q' the only brother of 'A'. How is 'D' related to 'A'?

    A. Mother-in-law
    B. Aunt
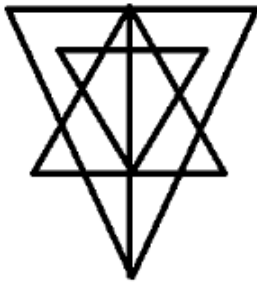   **C.** Mother
    D. Wife

Answer: C

Explanation: Here D is mother of A.

Here D is mother of A.

13. In the question find the number of triangles.

   **A.** 27
    B. 25
    C. 23
    D. 21

Answer: A

Explanation: In the figure the simplest Triangles are GLK, DLJ, DJM,HMN,QRE,IRA,IPA, and FPO is the 8 triangle and another is BDO,CDQ,DLM, PRA, KFI, NEI, HJI, GJI,DKI, and DNI is the 10 triangle

and another is DIE, DFI, DOA, DQA, and GHI is the 5 triangle

and DCA, DBA is the 2 triangle and DEF and ABC so that according to the figure the total no. of triangle is 8+10+5+2+1+1=27
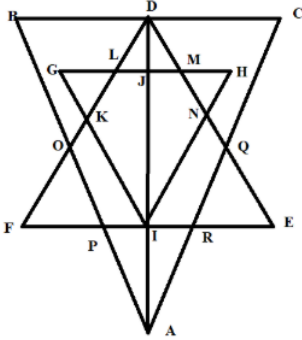
14. in question below shown, count the number of triangle and squares.
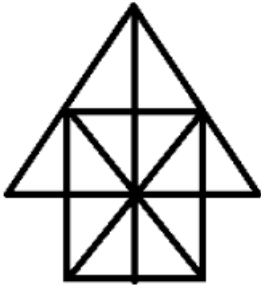
A. 26 triangles, 5 squares
B. 28 triangles, 5 squares
C. 26 triangles,6 squares
D. 28 triangles, 6 squares

Answer: A

Explanation: The simplest triangle is shown in figure is 12 and another is IBO, BDO, DGO, GIO, ABO,CBD, DEO, IBD,BDG, DGI, GIB, ACO and COE and ACE is the total no of traingle are 12+14=26

15. How many triangles in the figure?

A. 16

    B. 14

    C. 8

    D. 12

Answer: A

Explanation:

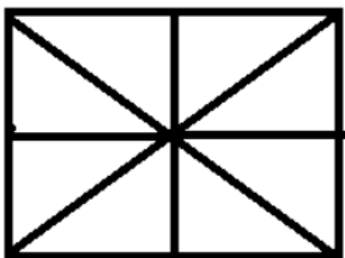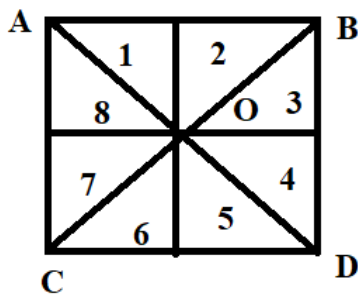in the figure the 8 triangle is shown easily and another is COD , DOB, BOA, AOC, ACD, BDC,ABC, ABD so that total no. of triangle is 8+8=16

16. Eileen is planning a special birthday dinner for her husband's 35th birthday. She wants the evening to be memorable, but her husband is a simple man who would rather be in jeans at a baseball game than in a suit at a fancy restaurant. Which restaurant below should Eileen choose?

    A. Alfredo's offers fine Italian cuisine and an elegant Tuscan decor. Patrons will feel as though they've spent the evening in a luxurious Italian villa.

    B. Pancho's Mexican Buffet is an all-you-can-eat family style smorgasbord with the best tacos in town.

    C. The Parisian Bistro is a four-star French restaurant where guests are treated like royalty. Chef Dilbert Olay is famous for his beef bourguignon.

    D. Marty's serves delicious, hearty meals in a charming setting reminiscent of a baseball clubhouse in honor of the owner, Marty Lester, a former major league baseball all-star.

Answer: D

Explanation: Since Eileen's husband does not enjoy fancy restaurants, choices a and c can be ruled out. Choice b, although casual, doesn't sound as though it would be the kind of special and memorable evening that Eileen is looking for. Choice d, which is owned by a former baseball star and is described as "charming" and "reminiscent of a baseball clubhouse", sounds perfect for Eileen's husband, who is described as a baseball fan and a man with simple tastes.

17. The school principal has received complaints from parents about bullying in the school yard during recess. He wants to investigate and end this situation as soon as possible, so he has asked the recess aides to watch closely. Which situation should the recess aides report to the principal?

A. A girl is sitting glumly on a bench reading a book and not interacting with her peers.
B. Four girls are surrounding another girl and seem to have possession of her backpack.
C. Two boys are playing a one-on-one game of basketball and are arguing over the last basket scored.
D. Three boys are huddled over a handheld video game, which isn't supposed to be on school grounds.

Answer: B

Explanation: Seeing four girls surrounding another girl, while in possession of her backpack, is the most suspicious of the incidents described.

18. 3, 7, 6, 5, 9, 3, 12, 1, 15, ?

A. 18
B. 13
C. -1
D. 3

Answer: C

Explanation: There are two series, beginning respectively with 3 and 7. In one 3 is added and in another 2 is subtracted.

The next number is 1 – 2 = -1.

19. 192, 021, 222, 324, 252, 627, 2_, 9_?

A. 280, 930
B. 282, 930
C. 248, 920
D. 250, 940

Answer: B

Explanation: If you look closely, you will find a sequence in every alternating number.

192, 222 and 252 form one series where 30 is added each time.

021, 324 and 627 form one series where 303 is added each time.

Thus the next two numbers will be 282 and 930.

20. 2, 4, 12, 48, 240,?

A. 960
B. 1440

C. 1080

D. 1920

Answer: B

Explanation: Go on multiplying the given numbers by 2, 3, 4, 5, 6.

So, the correct next number is 1440.

21. RC Bhargav is a son of an industrialist and from other state who has set his factory in 1990 and has a domicile certificate of the state. He is ready to pay the entire amount in 4 years if required. He does not own a house in Gurgaon city limits but his wife owns a flat in Gurgaon. His date of birth is 11th Nov 1960.

A. Do not allot flat.

B. Refer to the Chairman.

C. Refer to the President.

D. Allot flat.

Answer: A

22. What is the decision to be taken in his case?

Pandey is a player in Indian team and has no experience in coaching any of the team. But his name is included by all of the 3 cricket advisory committee members.

A. Reffered to the cricket Advisory Committee members/BCCI secretary

B. The candidate is not to be selected

C. Data inadequate

D. The candidate is to be selected

Answer: D

Explanation: Pandey is reffered by cricket Advisory committee members. Therefore he can be selected as Head coach.

23. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures

Problem Figures:

(A)   (B)   (C)   (D)   (E)

A. 1

B. 2
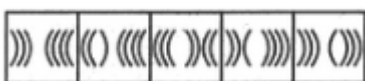
C. 3

D. 4

Answer: B

Explanation:

Answer Figures:

(1) (2) (3) (4) (5)

Two, three, four, two, three, Curves get inverted sequentially.

Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

24. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures:

(A) (B) (C) (D) (E)
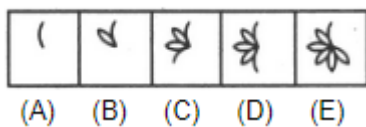
A. 1

B. 2

C. 3

D. 4

Answer: A

Explanation:

Answer Figures:

(1) (2) (3) (4) (5)

Two and three half-leaves are added to the figure alternately. The addition of half-leaves takes place in an ACW direction.

25. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.
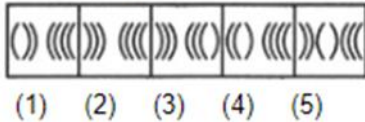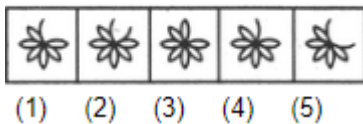
Problem Figures:

(A) (B) (C) (D) (E)

A. 1
B. 2
C. 3
D. 4

Answer: D

Explanation:

Answer Figures:

(1) (2) (3) (4) (5)

The bent pin gets laterally inverted and vertically inverted alternately and moves to the adjacent side (of the square boundary) in a CW direction in each step,. The curved arrow rotates 90oACW and moves to the adjacent side CW in each step. As for the third element - in one step the outer 'L' shaped symbol gets laterally inverted and in the next step the element gets vertically inverted. Or, similar figure reappears in every fourth step. So, after fig. (E), the fig. (B) should reappear.

Direction (26 – 30): Read the passage and answer the question based on it.

If a person suddenly encounters any terrible danger, the change of nature one undergoes is equally great. Sometimes fear numbs our senses. Like animals, one stands still, powerless to move a step in fright or to lift a hand in defense of our lives, and sometimes one is seized with panic, and again, act more like the inferior animals than rational beings. On the other hand, frequently in cases of sudden extreme peril, which cannot be escaped by flight, and must be instantly faced, even the most timid men at once as if by miracle, become possessed of the necessary courage, sharp quick apprehension and swift decision. This is a miracle very common in nature. Man and the inferior animals alike, when confronted with almost certain death 'gather resolution from despair' but there can really be no trace of so debilitating a feeling in the person fighting, or prepared to fight for dear life. At such times the mind is clearer than it has ever been; the nerves are steel, there is nothing felt but a wonderful strength and daring. Looking back at certain perilous moments in my own life, I remember them with a kind of joy, not that there was any joyful excitement then, but because they broadened my horizon, lifted me for a time above myself.

26. The title that best suits the passage would be:-

    A. The Will to Fight

    B. The Miracle of Confronting Danger

    C. The Change of Nature

    D. Courage and Panic

Answer: B

Explanation: This best captures the essence of the passage. In case one is faced with sudden danger, even the man who is shy gets the courage to face the situation as it has further been discussed in the lines "Frequently in cases.......in nature."

27. A man may react to sudden danger in three different ways. What are they?

    A. He may flee in panic, or fight back or stand still.

    B. He may be paralyzed with fear, seized with panic or act like an inferior animal.

    C. He may be paralyzed with fear, or seized with panic, or as if by miracle, become possessed of the necessary courage, and face the danger.

    D. He may be paralyzed with fear, run away or fight.

Answer: C

Explanation: The paragraph clearly identifies 3 ways:

Sometimes fear numbs our senses. Like animals, one stands still, powerless to move a step in fright or to lift a hand in defense of our lives, and sometimes one is seized with panic, and again, act more like the inferior animals than rational beings.

On the other hand, frequently in cases of sudden extreme peril, which cannot be escaped by flight, and must be instantly faced, even the most timid men at once as if by miracle, become possessed of the necessary courage, sharp quick apprehension and swift decision.

28. What is the meaning of the word debilitating?

    A. enfeeble

    B. strengthen

    C. debase

    D. thriving

Answer: A

Explanation: The word "enfeeble" means to make weak or feeble.

29. Explain the phrase 'gather resolution from danger'.

    A. Find peace in times of difficulty.

    B. A state of utter hopelessness makes one determined to face the difficulty.

C. To remain calm and not to lose hope.

D. To be enthusiastic and brave the odds.

Answer: B

Explanation: It means that in times of difficulty one gathers courage to make decisions. The word 'resolution' means the act of resolving or determining upon an action or course of action.

30. The author feels happy in the recollection of dangers faced and overcome because

A. They brought him a new experience.

B. They added a new perspective and lifted him above himself for a time.

C. These experiences boosted his confidence.

D. He felt elated as he was alive.

Answer: Option B

Explanation: It is mentioned in the last few lines.

31. Melancholy

A. mirthless

B. joyful

C. harmless

D. creative

Answer: B

Explanation: The opposite meaning of the word Melancholy is 'joyful'. Melancholy means a gloomy state of mind, especially when habitual or prolonged or depression.

32. Harness

A. underuse

B. tackle

C. pleasure

D. utilize

Answer: A

Explanation: The opposite meaning of the word harness is 'underuse'. Harness means to bring under conditions for effective use or gain control over for a particular end.

33. Vicissitude

A. sorrows

B. misfortunes

  C. changes

  D. surprises

Answer: C

Explanation: The most similar meaning of Vicissitude is Changes. It means a change of circumstances, typically one that is unwelcome or unpleasant.

34. Ghastly

  A. delight

  B. terrible

  C. pleasing

  D. repeal

Answer: B

Explanation: The most similar meaning of ghastly is terrible. Ghastly means terrible, causing great horror or fear.

35. Woe

  A. Unrealistic

  B. Happiness

  C. Disappointment

  D. Inclination

Answer: B

Explanation: Woe (noun) meaning â€"Great sorrow or distress.

36. Euphemism

  A. Barrier

  B. Joy

  C. Companion

  D. Dysphemism

Answer: D

Explanation: Euphemism (noun) meaning â€" A mild or indirect word or expression substituted for one considered to be too harsh or blunt when referring to something unpleasant or embarrassing.

Synonyms: Delicacy, Verbosity, Grandiloquence, Politeness, Genteelism

Antonyms: Dysphemism, Calling a spade a spade

37. Dreadful

    A. Tiny
    B. Reputable
    C. Undecayed
    D. Atrocious

Answer: D

Explanation: Dreadful meaning - causing or involving great suffering, fear, or unhappiness; extremely bad or serious.

38. Predicament

    A. Advantage
    B. Deadlock
    C. Benefit
    D. Agreement

Answer: B

Explanation: Predicament (noun) meaning: A difficult, unpleasing or embarrassing situation.

Synonyms of Predicament are: Circumstances, crisis, deadlock, dilemma

39. Feisty

    A. sorrow
    B. distress
    C. adhesive
    D. coward

Answer: D

Explanation: The opposite for Feisty is coward. Feisty means lively, determined, and courageous.

40. Patronize

    A. contend
    B. humiliate
    C. invoke
    D. erupt

Answer: A

Explanation: The opposite for Patronize is visualize. Patronize means do something in such a way as to emphasize that one clearly regards it as below one's dignity or level of importance or show that one feels superior.

Direction (41 – 45.): Read each sentence to find out whether is there any grammatical error in it. The error if any part of the sentence, the option given in that part will be the answer.

41.

A. There is no argument against
B. the fact that
C. humans are the most intelligent
D. Of all other species.

Answer: D

42.

A. I have being working
B. in that organization for five years
C. but now I work
D. for a different company.

Answer: A

43.

A. The need for alternate
B. sources of energy are
C. essential to conserve
D. The environment.

Answer: B

44.

A. Only after a lot of persuasion,
B. the illiterate villager allowed
C. himselfï¿½s girl child
D. to study in the school.

Answer: C

45.

A. My elder sister and I am
B. interested in painting

C. and therefore have joined

D. the coaching classes

Answer: A

46. TACIT

A. Trival

B. Lengthy

C. Spoken

D. Neutral

Answer: C

Explanation: Spoken = Synonym

47. PROWESS

A. Bravery

B. Keenness

C. Eagerness

D. Understanding

Answer: A

Explanation: Bravery = Synonym

48. BENIGN

A. Gentle

B. Peaceful

C. Favourable

D. Wavering

Answer: C

Explanation: Favourable = Antonym

49. CAJOLE

A. Persuade

B. Threaten

C. Scold

D. Intimidate

Answer: A

Explanation: Persuade = Antonym

50. LIBERAL

- **A.** Unreliable
- **B.** Intolerant
- **C.** Strong
- **D.** Responsible

Answer: C

Explanation: Strong = Synonym

51. Find the greatest three number which is multiple of 7.

- **A.** 993
- **B.** 995
- **C.** 994
- **D.** None of these

Answer: C

Explanation: Greatest three digits number = 999. When 999 is divided by 7, the remainder will be 5. Required number= 999 – 5 = 994.

52. Find the greatest 6-digit number, which is a multiple of 12.

- **A.** 999980
- **B.** 999990
- **C.** 999984
- **D.** None of these

Answer: D

Explanation: Greatest six-digit number is 999999. Divide this number by 12 and get remainder as 3. Since the remainder is 3, if you subtract 3 from the number, the remaining number will be a multiple of 12. So the greatest such number will be 999999 – 3 =999996.

53. A sum of money at simple interest amounts to 815 in 3 years and to 854 in 4 years. The sum is:

- **A.** 650
- **B.** 690
- **C.** 698
- **D.** 700

Answer: C

Explanation: S.I. for 1 year = (854 - 815) = 39.

S.I. for 3 years = (39 x 3) = 117.

Principal = (815 - 117) = 698.

54. Mr. Thomas invested an amount of 13,900 divided in two different schemes A and B at the simple interest rate of 14% p.a. and 11% p.a. respectively. If the total amount of simple interest earned in 2 years be 3508, what was the amount invested in Scheme B?

    A. 6400
    B. 6500
    C. 7200
    D. 7500

Answer: A

Explanation: Let the sum invested in Scheme A be x and that in Scheme B be (13900 - x).

Then, (x x 14 x 2)/100 + ((13900 - x) x 11 x 2)/100 = 3508

28x - 22x = 350800 - (13900 x 22)

6x = 45000

x = 7500.

So, sum invested in Scheme B = (13900 - 7500) = 6400.

55. The difference of the squares of two consecutive even integers is divisible by which of the following integers?

    A. 3
    B. 4
    C. 6
    D. 7

Answer: B

Explanation:

Let the two consecutive even integers be 2n and (2n + 2). Then,

$(2n + 2)^2$ = (2n + 2 + 2n)(2n + 2 - 2n)

= 2(4n + 2)

= 4(2n + 1), which is divisible by 4.

56. Which one of the following is a prime number?

    A. 119
    B. 187
    C. 247
    D. None of these

Answer: D

Explanation:

$\sqrt{551} > 22$

All prime numbers less than 24 are: 2, 3, 5, 7, 11, 13, 17, 19, 23.

119 is divisible by 7; 187 is divisible by 11; 247 is divisible by 13 and 551 is divisible by 19.

So, none of the given numbers is prime.

Direction (58 - 61): Each of the questions given below consists of a statement and / or a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statement(s) is / are sufficient to answer the given question. Read the both statements and

Give answer (A) if the data in Statement I alone are sufficient to answer the question, while the data in Statement II alone are not sufficient to answer the question.

Give answer (B) if the data in Statement II alone are sufficient to answer the question, while the data in Statement I alone are not sufficient to answer the question.

Give answer (C) if the data either in Statement I or in Statement II alone are sufficient to answer the question.

Give answer (D) if the data even in both Statements I and II together are not sufficient to answer the question.

Give answer(E) if the data in both Statements I and II together are necessary to answer the question.

58. A man mixes two types of rice (X and Y) and sells the mixture at the rate of Rs. 17 per kg. Find his profit percentage.

    I.   The rate of X is Rs. 20 per kg
    II.   The rate of Y is Rs. 13 per kg.
    A. I alone sufficient while II alone not sufficient to answer
    B. II alone sufficient while I alone not sufficient to answer
    C. Either I or II alone sufficient to answer
    D. Both I and II are not sufficient to answer

Answer: D

Explanation: The ratio, in which X and Y are mixed, is not given.

So, both I and II together cannot give the answer.

59. By selling a product with 20% profit, how much profit was earned?

I.   The difference between cost and selling price is Rs. 40.
II.   The selling price is 120 percent of the cost price.
   A.   I alone sufficient while II alone not sufficient to answer
   B.   II alone sufficient while I alone not sufficient to answer
   C.   Either I or II alone sufficient to answer
   D.   Both I and II are not sufficient to answer

Answer: A

Explanation:

Gain = 20%

I. Profit = (S.P.) - (C.P.) = Rs. 40.

Thus, I give the answer. But, II does not give the answer.

60. A shopkeeper sells some articles at the profit of 25% on the original price. What is the exact amount of profit? To find the answer, which of the following information given in Statements I and II is/are necessary?

I.   Sale price of the article
II.   Number of articles sold
   A.   Only I is necessary
   B.   Only II is necessary
   C.   Either I or II is necessary
   D.   Both I and II are necessary

Answer: D

Explanation:

Gain = 25% of C.P.

61. In order to find gain, we must know the sale price of each article and the number of articles sold.

The expression (11.98 x 11.98 + 11.98 x x + 0.02 x 0.02) will be a perfect square for x equal to:

   A.   0.02

B. 0.2

C. 0.04

D. 0.4

Answer: C

Explanation:

Given expression = $(11.98)^2 + (0.02)^2 + 11.98$ x x.

For the given expression to be a perfect square, we must have

11.98 x x = 2 x 11.98 x 0.02 or x = 0.04

Direction (62 - 61): Study the following table and answer the questions.

Classification of 100 Students based on the Marks Obtained by them in Physics and Chemistry in an Examination.

Subject	Marks out of 50				
	40 and above	30 and above	20 and above	10 and above	0 and above
Physics	9	32	80	92	100
Chemistry	4	21	66	81	100
Average (Aggregate)	7	27	73	87	100

62. What is the different between the number of students passed with 30 as cut-off marks in Chemistry and those passed with 30 as cut-off marks in aggregate?

A. 3

B. 4

C. 5

D. 6

Answer: D

Explanation:

Required difference

= (No. of students scoring 30 and above marks in Chemistry)

- (Number of students scoring 30 and above marks in aggregate)

= 27 – 21 = 6.

63. If at least 60% marks in Physics are required for pursuing higher studies in Physics, how many students will be eligible to pursue higher studies in Physics?

    A. 27
    B. 32
    C. 34
    D. 41

Answer: B

Explanation:

We have 60% of 50 = ($\frac{60}{100}$ x 50) = 30.

Therefore Required number

  = No. of students scoring 30 and above marks in Physics

  = 32

64. If Q means 'add to', J means 'multiply by', T means 'substract from' and K means 'divide by' then 30 K 2 Q 3 J 6 T 5 = ?

    A. 18
    B. 28
    C. 31
    D. 103

Answer: B

Explanation: Using Correct Symbols, We have:

Given expression = $\frac{30}{2}$ + 3 x 6 - 5 = 15 + 18 - 5 = 28

65. In a cricket match, five batsmen P, Q, R, S and T scored an average of 36 runs. S Scored 5 more than T; T scored 8 fewer than P; Q scored as many as S and T combined; and Q and R scored 107 between them. How many runs did T score?

    A. 20
    B. 29
    C. 28
    D. 24

Answer: A

Explanation: Let the runs scored by P, Q, R, S and T be a, b, c, d and e

From given data,

a + b + c + d + e = 36 x 5 = 180

b + c = 107

Let a = x

e = x-8

d = x-3

Now 3x - 11 + 107 = 180

3x = 84

x = 28

E score = 28-8 = 20

66. A sum of Rs.1890 has to be used to give 9 prizes to the customers of a super market for their overall academic purchases. If each prize is Rs.30 less than its preceding price, what is the least value of the price?

    A. 90
    B. 95
    C. 85
    D. 80

 Answer: A

Explanation: Let the least value of the prize = Rs. x

Then the next value of the prize is x+30, x+60, x+90, x+240.

Given total amount of cash prizes = Rs.1890

--> x + (x+30) + (x+60) + (x+90) + ...+ (x+240) = 1890

--> 9x + (30 + 60 + 90 + 120 + 150 + 180 + 210 + 240) = 1890

--> 9x + 30(1 + 2 + 3 + 4....+ 8) = 1890

--> 9x + 30(36) = 1890

--> 9x = 810 --> x=90

Hence the least value of the prize x=90

67. The cross section of a canal is in the shape of an isosceles trapezium which is 4 m wide at the bottom and 5 m wide at the top. If the depth of the canal is 2 m and it is 120 m long, what is the maximum capacity of this canal?

- A. 2160 cubic mts
- B. 3240 cubic mts
- C. 4320 cubic mts
- D. 1080 cubic mts

Answer: D

Explanation: The canal is 4 m wide at the bottom and 5 m at the top, thus the canal is in the shape of a trapezium whose volume will be equal to the product of area of trapezium and the width.

Length of canal = 120 m

Depth of canal = 2 m

Crosse sectional area of canal = $\frac{1}{2}$ ×120× (4 + 5) = 540 sq.m.

Maximum capacity of canal = cross sectional area * height

= 540 × 2

= 1080 cubic mts

68. The perimeter of a rectangular plot is 48 m and area is 108 .The dimensions of the plot are

- A. 12 m and 9 m
- B. 27 m and 4 m
- C. 17 m and 10 m
- D. 18 m and 6 m

Answer: D

Explanation: The perimeter of a rectangular plot is 48 m and area is 108 .The dimensions of the plot are

Reference:

Let find the length and breadth:

------->P = 2(l+b)

------->2(l+b) = 48

------->l+b = 24---- (i)

------->A = l × b

------->l × b = 108---- (ii)

------->By solving (i) and (ii), we get:

------->l = 18 m and b = 6 m.

------->18 m and 6 m

Hence the answer is: 18 m and 6 m

69. In an election only two candidates contested 20% of the voters did not vote and 120 votes were declared as invalid. The winner got 200 votes more than his opponent thus he secured 41% votes of the total voters on the voter list. Percentage votes of the defeated candidate out of the total votes casted is:

   A. 47.5%
   B. 41%
   C. 38%
   D. 45%

 Answer: D

Explanation: Let there be x voters and k votes goes to loser then

   0.8x - 120 = k + (k + 200)

   k+200 = 0.41x

 => k = 1440

And (k + 200) =1640
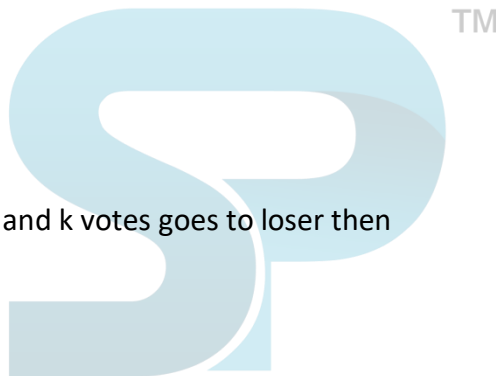
Therefore $\frac{1440}{3200}$x 100 = 45%

70. A's salary is 40% of B's salary which is 25% of C's salary. What percentage of C's salary is A's salary ?

   A. 10
   B. 20
   C. 30
   D. 40

Answer: A

Explanation:

A's Salary = 40% of B = 40% of (25% of C)

$= \frac{40}{100}[(\frac{52}{100})\times100]$ %   of C = 10% of C.

71. A truck covers a distance of 376 km at a certain speed in 8 hours. How much time would a car take at an average speed which is 18 kmph more than that of the speed of the truck to cover a distance which is 14 km more than that travelled by the truck?

- **A.** 6 hours
- **B.** 8 hours
- **C.** 4 hours
- **D.** 5 hours

Answer: A

Explanation:

Speed of the truck = $\frac{Distance}{time}$

$= \frac{376}{8}$ = 47 kmph

Now, speed of car = (speed of truck + 18) kmph

= (47 + 18) = 65 kmph

Distance travelled by car = 376 + 14 = 390 km

Time taken by car = $\frac{Distance}{Speed}$

$= \frac{390}{65}$ = 6 hours.

72. A bag contains 50 P, 25 P and 10 P coins in the ratio 5: 9: 4, amounting to Rs. 206. Find the number of coins of each type respectively.

- **A.** 360, 160, 200
- **B.** 160, 360, 200
- **C.** 200, 360,160
- **D.** 200,160,300

Answer: C

Explanation:

Let ratio be x.

Hence no. of coins be 5x, 9x, 4x respectively

Now given total amount = Rs.206

=> (.50) (5x) + (.25) (9x) + (.10) (4x) = 206

We get x = 40

=> No. of 50p coins = 200

=> No. of 25p coins = 360

=> No. of 10p coins = 160

73. A grocer has a sale of Rs 6435, Rs. 6927, Rs. 6855, Rs. 7230 and Rs. 6562 for 5 consecutive months. How much sale must he have in the sixth month so that he gets an average sale of Rs, 6500?

   A. 4991
   B. 5467
   C. 5987
   D. 6453

Answer: A

Explanation:

 Total sale for 5 months = Rs. (6435 + 6927 + 6855 + 7230 + 6562) = Rs. 34009.

 Required sale = Rs. [(6500 x 6) - 34009]
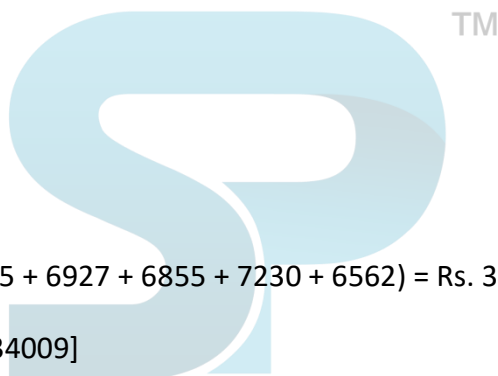
= Rs. (39000 - 34009)

= Rs. 4991.

74. The average of runs of a cricket player of 10 innings was 32. How many runs must he make in his next innings so as to increase his average of runs by 4?

   A. 76
   B. 79
   C. 85
   D. 87

Answer: A

Explanation:

Average = $\frac{\text{total runs}}{\text{no.of innings}}$ = 32

So, total = Average x no.of innings = 32 x 10 = 320.

Now increase in avg = 4runs. So, new avg = 32+4 = 36runs

Total runs = new avg x new no. of innings = 36 x 11 = 396

Runs made in the 11th inning = 396 - 320 = 76

75. It takes 6 workers a total of 10 hours to assemble a computer, with each working at the same rate. If six workers start at 9.00 am, and one worker per hour is added beginning at 3.00 pm, at what time will the computer assembled?

    A. 5.00 PM
    B. 4.00 PM
    C. 6.00 PM
    D. 7.00 PM

Answer: C

Explanation:

--> 6 workers complete some work in 10 hours.

--> 1 worker completes the same work in 60 hours.

--> Let the total work be equivalent to 60 man-hours.

--> From 9.00 am to 3.00 pm, all 6 workers work together for 6 hours.

--> Amount of work done by 6 workers in 6 hours is $6 \times 6 = 36$ man-hours

--> From 3.00 pm to 4.00 pm, 7 man-hours of work will be done.

--> From 4.00 pm to 5.00 pm, 8 man-hours of work will be done.

--> From 5.00 pm to 6.00 pm, 9 man-hours of work will be done.

--> Thus, total amount of work done up to 6.00 pm is 36 + 7 + 8 + 9 = 60 man-hours

--> Thus, the computer will be assembled at 6.00 pm.

76. What is the other name of Salt Lake Stadium?

    A. Yuba Bharti Stadium
    B. Bharat Bharti Stadium
    C. Eden Gardens
    D. Kolkata Stadium

Answer: A

77. Who among the following served as India's first Test Captain?

- **A.** Nawab of Pataudi Senior,
- **B.** Nawab Mansoo Ali Khan
- **C.** C. K. Nayudu
- **D.** Lala Amarnath

Answer: C

78. Which among the following is not a trophy or cup related to Hockey?

- **A.** Bombay Gold Cup
- **B.** Gurmeet Trophy
- **C.** Indira Gold Cup
- **D.** Narang Cup

Answer: D

79. Which among the following is not given as "Life Time Achievement" Award in India?

- **A.** Dada Saheb Phalke Award
- **B.** Dhyanchand Award
- **C.** Tenzing Norgay National Adventure Awards
- **D.** Dronacharya Award

Answer: D

80. What is the other name of Sir Garfield Sobers Trophy?

- **A.** ICC Cricketer of the Year Awards
- **B.** ICC Test Captain of the Year
- **C.** Spirit of the Cricket
- **D.** Test Player of the Year Award

Answer: A

81. Who of these were famous in the name of ' Sher — a — Punjab '?

- **A.** Rajguru
- **B.** Bhagat Singh
- **C.** Udham Singh
- **D.** Lala Lajpat Rai

Answer: D

82. The first Indian Governor of independent India—general —

- **A.** Rajgopalachari
- **B.** Surindnath
- **C.** Rajendra Prasad
- **D.** B.R. Ambedkar

Answer: A

83. After the 1935 elections, the only two provinces out of eleven which had non-Congress ministers were

- **A.** Bengal and Punjab
- **B.** Assam and Kerala
- **C.** Bengal and Assam
- **D.** Punjab and Kerala

Answer: A

84. The first secret ruler who issued coins —

- **A.** Shrigupta
- **B.** Chandragupta First
- **C.** Samundragupta
- **D.** Chandragupta Second

Answer: B

85. In which of the following phase flint tools were used?

- **A.** Early Paleolithic Age
- **B.** Middle Paleolithic Age
- **C.** Upper Paleolithic Age
- **D.** Mesolithic age

Answer: C

86. Kathak is a classical dance of

- **A.** North India
- **B.** Tamilnadu
- **C.** Manipur
- **D.** Kerala

Answer: A

87. The headquarters of Sahitya Akademi is at

A. Mumbai
B. Chennai
C. New Delhi
D. Kolkata

Answer: C

88. The dance encouraged and performance from the temple of Thanjavur was

A. Kathakali
B. Odissi
C. Kathak
D. Bharatanatyam

Answer: D

89. The last Mahakumbh of the 20th century was held at

A. Nasik
B. Ujjain
C. Allahabad
D. Haridwar

Answer: D

90. The National Song of India was composed by

A. Rabindranath Tagore
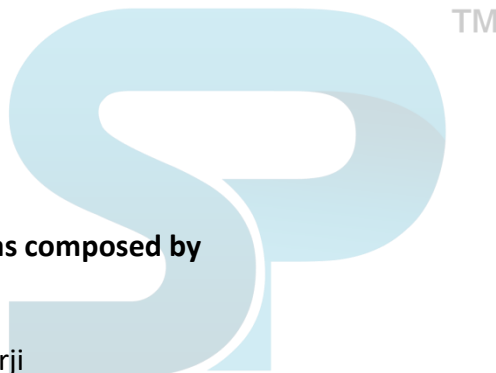B. Bankim Chandra Chatterji
C. Iqbal
D. Jai Shankar Prasad

Answer: B

91. In the Uttar Pradesh and Madhya Pradesh states, the joint "Rajghat River Valley Project" is launched on

A. Ken River
B. Son River
C. Chambal River
D. Betwa River

Answer: D

92. Which of the following rivers have almost the same point of emerging?

A. Brahmaputra and Ganga

B. Tapi and Beas

C. Brahmaputra and Indus

D. Indus and Ganga

Answer: C

93. In which state of India is the maximum area irrigated by tube wells?

A. Madhya Pradesh

B. Bihar

C. Rajasthan

D. Uttar Pradesh

Answer: D

94. The currency convertibility concept in its original form originated in

A. Wells Agreement

B. Bretton Woods Agreement

C. Taylors Agreement

D. None of the above

Answer: B

95. In the state of India, the State Financial Corporation have given assistance mainly to develop

A. agricultural farms

B. cottage industry

C. large-scale industries

D. medium and small-scale industries

Answer: D

96. The central co-operative banks are in direct touch with

A. farmers

B. state co-operative banks

C. land development banks

D. central government

Answer: B

97. The law created by a legislature is called?

A. Money Bill

B. Legislation or statutory law

C. Budget

D. None of the above

Answer: B

98. By which among the following Dyarchy was introduced in India?

A. Act of 1892
B. Act of 1909
C. Act of 1919
D. Act of 1935

Answer: C

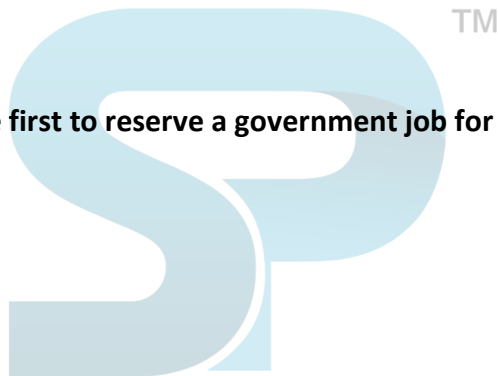**99. Which of the following anti-satellite missile is tested by India on 27 March, 2019?**

A. Mission Antriksh
B. Mission Gagan
C. Mission Shakti
D. Mission Destruction

Answer: C

100. Which state of India became first to reserve a government job for HIV positive candidates?

A. Uttar Pradesh
B. Mizoram
C. Kerala
D. Maharashtra

Answer: C

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