SRCC GBO 2009

English Language Proficiency

Instructions [1 - 5]

In each of the following sentences four words or phrases have been underlined. Only one underlined part in each sentence is not acceptable in Standard English. Find out that part and darkens the circle having its number 1, 2, 3 or 4 in your Answer Sheet.

1. **If the government is bent on/(1) conciliatory measures their(2) intention has produced no effect(3) on the insurgents.(4)**

A (1)

B (2)

C (3)

D (4)

Answer: B

2. **Our strongest(1) reason for siding(2) with(3) the Communists is because(4) our father is a Communist.**

A (1)

B (2)

C (3)

D (4)

Answer: D

3. **He ordered(1) the servants to prepare(2) a feast, had the gates opened(3) and to fire(4) a salute.**

A (1)

B (2)

C (3)

D (4)

Answer: C

4. **The whole(1) block of flats including(2) two shops were(3) destroyed in(4) fire.**

A (1)

B (2)

C (3)

D (4)

Answer: A

5. **Those who(1) are desirous(2) of applying for the post they(3) should do on forms(4) supplied by the office.**

A (1)

B (2)

C (3)

D (4)

Answer: B

Instructions [6 - 10]

Each of the following words in capital letters is followed by four likely synonyms. One of them is NOT the correct synonym. Pick up that.

6. **A BRIDGE**

A Contract

B Venerate

C abstract

D abbreviate

Answer: B

7. **COGNIZANT**

A aware

B conscious

C vindict

D informed

Answer: C

8. **FISSURE**

A   Slit

B   Chasim

C   ravine

D   fusion

Answer: D

9. **INNOCUOUS**

A   immoral

B   harmless

C   unobjectionable

D   impeccable

Answer: A

10. **PERENNIAL**

A   Ceaseless

B   perishable

C   recurrent

D   continual

Answer: B

Instructions [11 - 15]

Each of ten following words in capital letters is followed by four likely antonyms. One of them is not the correct antonym. Pick that up.

11. **LATENT**

A apparent

B exposed

C manifest

D officious

Answer: D

12. **NAIVE**

A crafty

B diplomatic

C brave

D wily

Answer: D

13. **REGAL**

A legal

B beggarly

C slavish

D poor

Answer: A

14. **TRANQUILITY**

A calmness

B excitement

C agitation

D disturbance

Answer: A

15. **AMALGAMATE**

A dissociate

B unravel

C untangle

D seethe

Answer: D

Instructions [16 - 20]

Select the lettered pair of words which are related in the same way as the capitalized words are related to each other.

16. **TEPID : HOT::**

A winter : summer

B pat : slap

C pink : blue

D paper : page

Answer: B

17. **MODESTY : ARROGANCE::**

A obese : fat

B soldier : army

C debility : strength

D shout : speak

Answer: C

18. **GERM: DISEASE::**

A man : woman

B doctor : medicine

C shopkeeper : goods

D war : destruction

Answer: D

19. **BOUQUET : FLOWER::**

A skin : body

B chain : link

C product : factory

D page : book

   Answer: B

20. **ENCOURAGE : RESTRICT::**

A deprive : supply

B gain : succeed

C detain : deny

D laugh : smile

   Answer: A

Instructions [21 - 25]

Fill in the blanks by selecting appropriate alternative.

21. **It was time for us _____ preparation to leave.**

A start to make

B starting to make

C start to
   making

D to start
   making

   Answer: D

22. **We _____ start now to work for our project.**

A had better

B better

C have better

D are better

   Answer: B

23. **He took up the letter from the table and _____ it aloud to his father.**

A was reading

B had read

C read

D has been reading

   Answer: C

24. **When I met him he was walking _____ the crowded street.**

A upon

B into

C against

D down

   Answer: D

25. **He is the only boy in the class who _____ a book whenever he gets time.**

A reads

B has read

C is reading

D has been reading

   Answer: A

Instructions [26 - 30]

Each sentence below has one or two blanks. Choose the word or set of words that best completes the

sentence meaningfully.

26. **If you come to the conference table with such an _____ attitude, we can not expect to reach any harmonius agreement.**

A   exemplary

B   indolent

C   adamant

D   unwonted

   Answer: C

27. **This well-documented history is of importance because it carefully _____ the _____ accomplishments of Indian artists who are all too little known to the public at large.**

A   recognizes -- negligible

B   overlook -- purported

C   scruitinizes -- illusory

D   substantiates -- considerable

   Answer: D

28. **Because he is so _____ we can never predict what course he will take at any moment.**

A   incoherent

B   superficial

C   capricious

D   conventional

   Answer: B

29. **He was convinced that people were driven by _____ motives and there was no such thing as a purely unselfish act.**

A   sentimental

B   personal

C   ulterior

D intrinsic

Answer: B

30. **He found himself in the _____ position of appearing to support a point of view which he abhorred.**

A obvious

B anomalus

C enviable

D innocuous

Answer: C

Instructions [31 - 40]

For these questions a paragraph with many numbered blanks is given: Read the paragraph carefully and for each question choose the appropriate word from the given alternatives to fill up the blank. Mark you answer in the Answer-sheet as instructed.

Primitive man was perhaps more concerned with fire as a source of warmth and as a means of cooking food than as a source of light. .... **(1)** .... he discovered less labourious ways of making fire, he had to .... **(2)** .... it and whenever he .... **(3)** .... on a journey he carried .... **(4)** .... firebrand with him. His discovery .... **(5)** .... the firebrand, from which .... **(6)** .... torch may well have developed, ... **(7)** .... used for illumination was .... **(8)** .... accidental to the primary purpose .... **(9)** .... Preserving a flame. Lamps too probably developed by accident. Early man .... **(10)** .... his first conception of a lamp while watching a twig or fibre burning in the molten fat dropping from a roasting carcass.

31. **(1)**

A As soon as

B No sooner

C As

D Before

Answer: D

32. **(2)**

A conserve

B keep

C preserve

D retain

 Answer: C

33. **(3)**

A did go

B went

C had gone

D was going

 Answer: B

34. **(4)**

A a

B some

C such

D any one

 Answer: A

35. **(5)**

A of

B that

C as

D once

 Answer: B

36. **(6)**

A a

B our

C a new

D the

Answer: D

37. **(7)**

A could

B can be

C is

D could be

Answer: D

38. **(8)**

A presumably

B probably

C perhaps

D supposedly

Answer: B

39. **(9)**

A of

B for

C to

D in

Answer: A

40. **(10)**

A have had

B had had

C may have had

D might have had

Answer: C

Quantitative Ability

41. **If x and y are natural numbers such that $\left(\frac{1}{x}\right)^{\frac{1}{y}} = 0.\overline{3}$, then the value of XY is**

A 24

B 81

C 192

D 375

Answer: D

42. **The sum of the squares of two consecutive natural numbers is 61. The numbers are**

A 4 and 5

B 5 and 6

C 6 and 7

D - 6 and - 5

Answer: B

Explanation:

We can do this question by looking at the options

Clearly the 2nd option is correct as $5^2 + 6^2 = 61$

Hence that is the correct answer

43. **Which of the following is equal to 1 ?**

A $\dfrac{(0.11)^2}{(1.1)^2 \times 0.1}$

B $\dfrac{(1.1)^2}{11^2 \times (0.01)^2}$

C $\dfrac{(0.011)^2}{1.1^2 \times (0.01)^2}$

D $\dfrac{(0.11)^2}{11^2 \times 0.01}$

Answer: C

Explanation:

Let's look at Option 3

$\dfrac{0.011 \times 0.011}{1.21 \times 0.01 \times 0.01} = \dfrac{11 \times 11 \times 100}{100 \times 121}$

We can clearly see that on simplification that this will give 1. Hence this is the answer

44. **The sum of digits of a natural number $(10^n - 1)$ is 4707, where n is a natural number. The value of n is**

A 477

B 523

C 532

D 704

Answer: B

Explanation:

When 1 is subtracted from 10^n, it always results in a series of 9s.

Let the number of 9's be n. 9(n)=4707 or n=523

Hence there are 523, 9's. Thus n=523

45. **The last digit in the decimal representation of $\left(\dfrac{1}{5}\right)^{2000}$ is**

A 2

B 4

C 5

D 6

Answer: D

Explanation:

Now we have $\left(\dfrac{1}{5}\right)^{2000} = \left(\dfrac{2}{10}\right)^{2000}$

As we can see the last digit of the decimal representation will be the unit digit of 2^2000. Now the cyclicity

of 2 is 4, i.e powers of 2 repeats its unit digit after every 4 units. Now divide 2000 by 4, we get remainder as 0 . So we can say that 2^2000 is equivalent to 2^4. Hence the unit digit of 2^2000 is the unit digit of 2^4. Hence the unit digit is 6

46. **If** $\log 2 = 0.3010$**, then the number of digits in** 4^{50} **is**

A 30

B 31

C 100

D 200

Answer: B

Explanation:
The number of digits in 4^{50} is $\log 4^{50} = 50 \log 4$

or 100 log 2 = 100(0.3010)=30.10

Number of digits 30+1=31

47. **If** $\log \dfrac{a^2}{b} + \log \dfrac{b}{a^2} = \log(a + b)$**, then**

A $a = b$

B $a - b = 1$

C $a + b = 1$

D $a^2 + b^2 = 1$

Answer: C

Explanation:
We can simplify the LHS to $\log \left(\dfrac{a^2}{b} \times \dfrac{b}{a^2} \right) = \log 1$

Now log 1 = log(a+b) Hence a+b=1 .

48. $\log_a^{\frac{1}{b}} \times \log_c^{\frac{1}{b}} \times \log_a^{\frac{1}{c}}$ **is equal to**

A a+b+c

B abc

C 0

D 1

Answer: D

Explanation:

$$\frac{1}{\log_a b} \times \frac{1}{\log_c b} \times \frac{1}{\log_a c} = \frac{1}{\log_a b} \times \frac{\log_c a}{\log_c b} = \frac{\log_a b}{\log_a b} = 1$$

49. **The ratio of the areas of a square and a square on its diagonal is**

A $1:1$

B $1:\sqrt{2}$

C $1:2$

D $1:4$

Answer: C

50. **The volume of the largest possible cube that can be inscribed in a hollow spherical ball of radius r cm is**

A $\frac{2}{\sqrt{3}}r^2$

B $\frac{4}{3}r^2$

C $\frac{8}{3\sqrt{3}}r^3$

D $\frac{1}{3\sqrt{3}}r^3$

Answer: D

51. **A square is inscribed in a circle and another in a semi-circle of same radius. The ratio of the area of the first square to the area of second square is**

A $5:2$

B $5:4$

C $4:5$

D $2:5$

Answer: A

52. **An open box is made by cutting the congruent squares from the corners of a rectangular sheet of cardboard of dimensions 20 cm × 15 cm. If the side of each square is 2 cm, the total outer surface area of the box is**

A $148cm^2$

B $284cm^2$

C $316cm^2$

D $460cm^2$

Answer: B

Explanation:

Total area of the cardboard is $20 \times 15 = 300m^2$ Area of the four squares is $2 \times 2 \times 4 = 16\ m^2$

Remaining area is 300-16=284

53. **A small ring of negligible thickness and radius 2cm moves on a bigger ring of ratios 10 cm. How many rotations will the small ring take on the bigger ring to make a complete round ?**

A 5

B 6

C 7

D 10

Answer: A

Explanation:

The perimeter of the smaller ring is 4π . The perimeter of the larger ring is 20π

As we can clearly see, it will take 5 rotations of smaller ring to completely cover the larger circle.

54. **The cost of fencing an equilateral triangular park and a square park is the same. If the area of the triangular park is $16\sqrt{3}m^2$, the length of the diagonal of the square park is**

A $8\sqrt{2}m$

B $7\sqrt{2}m$

C $6\sqrt{2}m$

D $4\sqrt{2}m$

Answer: C

Explanation:

Area of the equilateral triangle park is $16\sqrt{3} = \frac{\sqrt{3}}{4}a^2$ where "a" is the length of the side of the triangle $a^2 = 64$ or $a = 8$ cm Now cost of fencing triangular and square park is same, hence their perimeter will also be same. Perimeter of the square park is 24cm

Hence the length of each side of square park is 6 cm. $\sqrt{6^2 + 6^2} = \sqrt{72} = 6\sqrt{2}$

Length of each diagonal is $6\sqrt{2}cm$

55. **A closed aquarium of dimensions 30 cm × 25 cm × 20 cm is made up entirely of glass plates held together with tapes. The total length of tape required to hold the plates together (ignore the over lapping tapes) is**

A 75 cm

B 120 cm

C 150 cm

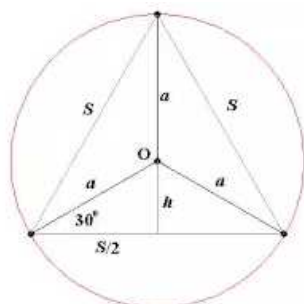**D** 300 cm

Answer: D

Explanation:

The length of glass tape required will be the sum of lengths of all the edges. Hence total length required will be 4(30+25+20)=300 cms of total tape will be required

56. **Three boys are standing on a circular boundary of a fountain. They are at a equal distance from each other. If the radius of the boundary is 5m, the shortest distance between any two boys is**

A $\frac{5\sqrt{3}}{2} m$

B $5\sqrt{3}m$

C $\frac{15\sqrt{3}}{2} m$

D $\frac{10\pi}{3} m$

Answer: B

Explanation:

Radius of circle at centre O = 5 m and the triangle formed is an equilateral triangle.

Let side of triangle be $s = ?$

O is the centroid of the triangle dividing $a : h = 2 : 1$

=> $h = 2.5$ m

=> $tan(30°) = \dfrac{h}{\frac{s}{2}}$

=> $\dfrac{1}{\sqrt{3}} = \dfrac{5}{s}$

=> $s = 5\sqrt{3}$ m

=> Ans - (B)

57. **Rita and Meeta both are having lunch boxes of a cuboidal shape. Length and breadth of Rita's lunch box are 10% more than that of Meeta's lunch box, but the depth of Rita's lunch box is 20% less than that of Meeta's lunch box. The ratio of the capacity of Rita's lunch box to that of Meeta's lunch bix is**

A 11 : 15

B 15 : 11

C 125 : 121

D 121 : 125

   Answer: D

Explanation:
Let length, breadth and height of Meeta's lunch box be 10 cm each

=> Length and Breadth of Rita's lunch box = 11 cm and height = 8 cm

Volume of a cuboid = lbh

=> Required ratio = $\dfrac{11 \times 11 \times 8}{10 \times 10 \times 10}$

= 121 : 125

=> Ans - (D)

58. **On a particular day of a trade fair, 35000 visitors had visited the fair. The amount collected at the entrance counter was Rs. 9,50,000. The entrance fee was at the rate of Rs. 40 for an adult and Rs.20 for a child. If 10% of the visitors had used free passes, the number of children who visited the fair is**

A 12,500

B 15,500

C 16,000

D   31,500

  Answer: B

Explanation:

Number of visitors who paid for the ticket = $\frac{90}{100} \times 35000 = 31500$

Let number of children be x and number of adults = $(31500 - x)$

According to ques,

=> $40(31500 - x) + 20x = 9,50,000$

=> $12,60,000 - 20x = 9,50,000$

=> $20x = 3,10,000$

=> $x = \frac{310000}{20} = 15,500$

=> Ans - (B)

59. **Three spheres of radii 3cm, 4cm and 5cm are melted to form a new sphere. The radius of the new sphere is**

A   6 cm

B   7.5 cm

C   10 cm

D   12 cm

  Answer: A

Explanation:

Let radius of new sphere = r cm

Volume of a sphere = $\frac{4}{3}\pi r^3$

=> $\frac{4}{3}\pi r^3 = \left(\frac{4}{3}\pi \times 3^3\right) + \left(\frac{4}{3}\pi \times 4^3\right) + \left(\frac{4}{3}\pi \times 5^3\right)$

=> $r^3 = 27 + 64 + 125 = 216$

=> $r = \sqrt[3]{216} = 6$ cm

=> Ans - (A)

60. **The mean of 30 observations was calculated as 150. Later, it was pointed out that value of one of the observations was wrongly taken as 135 instead of 165. The correct mean is**

A   180

B   151

C 149

D 120

Answer: B

Explanation:

Mean of 30 observations = 150

For correcting the error, we need to subtract 135 and add 165,

=> New average = $\frac{(150 \times 30) + 165 - 135}{30}$

= $\frac{150 \times 30 + 30}{30}$

= $150 + 1 = 151$

=> Ans - (B)

61. **In a class of 45 students, 30 are boys and remaining are girls. If the mean weight of girls is 45 kg and that of boys is 52 kg, then the mean weight of entire class (in kg) is nearest to**

A 48

B 49

C 50

D 51

Answer: C

Explanation:

Total students = 45, Number of boys = 30 and number of girls = 15

=> Ratio of boys : girls = 2:1

Average weight of girls is 45 kg and that of boys is 52 kg

∴ Average weight of class = $\frac{52(2) + 45(1)}{2 + 1}$

= $\frac{149}{3} = 49.67 \approx 50$ kg

=> Ans - (C)

62. **The mean of the first 10 even natural numbers is**

A 9

B 10

C 11

D 12

Answer: C

Explanation:

Average of first n even numbers = $(n + 1)$ and average of first n odd numbers = n

=> Average of first 10 even numbers = $(10 + 1) = 11$

=> Ans - (C)

63. **The median of $6, 7, x - 2, x, 17$ and 20, (written in ascending order) is 16. Then the value of x is**

A   12

B   15

C   16

D   17

  Answer: D

Explanation:

Terms : $6, 7, x - 2, x, 17$ and 20

Since, there are 6 terms, median is the average of 3rd and 4th term

=> Median = $\frac{x - 2 + x}{2} = 16$

=> $x - 1 = 16$

=> $x = 17$

=> Ans - (D)

64. **A number lying between 10 and 100 is seven times the sum of digits. If 9 is subtracted from it, the digits of the number are reversed. The number is**

A   21

B   42

C   54

D   63

  Answer: A

Explanation:

Let the unit's digit is y and ten's digit is x, => Number = $10x + y$

=> $10x + y = 7(x + y)$

=> $10x + y = 7x + 7y$

=> $3x = 6y$

=> $x = 2y$ --------------(i)

Also, $10x + y - 9 = 10y + x$

=> $9(x - y) = 9$

=> $x - y = 1$

Substituting value from equation (i), => $2y - y = y = 1$

=> $x = 2$

$\therefore$ Original number = **21**

=> Ans - (A)

65. **One-third of a certain sum is invested at 3% per annum; one-sixth of the sum is invested at 6% per annum and remaining sum at 8% per annum. If the annual simple interest from all these investments is Rs. 600, the original sum is**

A Rs. 6000

B Rs. 6666

C Rs. 7500

D Rs. 10,000

Answer: D

Explanation:

Let original sum = Rs. $6x$

Sum invested at 3% = Rs. $2x$ and sum invested at 6% = Rs. x and sum invested at 8% = Rs. $3x$

Simple interest = $\frac{P \times r \times t}{100}$

According to ques,

=> $\frac{2x \times 3 \times 1}{100} + \frac{x \times 6 \times 1}{100} + \frac{3x \times 8 \times 1}{100} = 600$

=> $6x + 6x + 24x = 60,000$

=> $x = \frac{60000}{36} = \frac{10,000}{6}$

$\therefore$ Original sum = $6 \times \frac{10000}{6} = Rs. 10,000$

=> Ans - (D)

66. **If the compound interest on a certain sum of money for 2 years at 4% per annum compounded annually is Rs. 102, then the simple interest on the same sum of money at the same interest rate and for the same period is**

A Rs. 99

B Rs. 100

C Rs. 101

D Rs. 102

Answer: B

Explanation:

Let principal sum = Rs. x

Rate of interest = 4% for 2 years

Compound interest = $P[(1 + \frac{r}{100})^t - 1]$

=> $P[(1 + \frac{4}{100})^2 - 1] = 102$

=> $P[(\frac{26}{25})^2 - 1] = 102$

=> $P(\frac{676-625}{625}) = 102$

=> $P = 625 \times 2 = Rs.\,1250$

∴ Simple interest = $\frac{P \times r \times t}{100}$

= $\frac{1250 \times 4 \times 2}{100} = Rs.\,100$

=> Ans - (B)

67. **One of the factor of the expression** $X^2 - Y^2 - Z^2 + 2YZ + X + Y - Z$ **is**

A $X - Y + Z + 1$

B $-X + Y + Z$

C $X + Y - Z + 1$

D $X - Y - Z + 1$

Answer: A

Explanation:

Expression : $X^2 - Y^2 - Z^2 + 2YZ + X + Y - Z$

= $x^2 - (y^2 + z^2 - 2yz) + (x + y - z)$

= $x^2 - (y - z)^2 + (x + y - z)$

= $[x^2 - (y - z)^2] + (x + y - z)$

Using, $a^2 - b^2 = (a - b)(a + b)$

= $(x - y + z)(x + y - z) + (x + y - z)$

= $(x + y - z)(x - y + z + 1)$

=> Ans - (A)

68. **If $a + b + c = 0$, then a factor of the expression $(a + b)^3 + (b + c)^3 + (c + a)^3$ is**

A abc

B a + b + c

C ab + bc + ca

D (a + b)

Answer: A

Explanation:
Given : $a + b + c = 0$

=> $(a + b) = -c$

Cubing both sides, => $(a + b)^3 = (-c)^3$

=> $a^3 + b^3 + 3ab(a + b) = -c^3$

=> $a^3 + b^3 + 3ab(-c) = -c^3$

=> $a^3 + b^3 + c^3 = 3abc$ -------------(i)

Expression : $(a + b)^3 + (b + c)^3 + (c + a)^3$

= $[a^3 + b^3 + 3ab(a + b)] + [b^3 + c^3 + 3bc(b + c)] + [c^3 + a^3 + 3ca(c + a)]$

= $[a^3 + b^3 + 3ab(-c)] + [b^3 + c^3 + 3bc(-a)] + [c^3 + a^3 + 3ca(-b)]$

= $2(a^3 + b^3 + c^3) - 9abc$

Substituting value from equation (i), we get :

= $2(3abc) - 9abc = -3abc$

$\therefore abc$ is a factor of the given expression.

=> Ans - (A)

69. **If the length of a rectangule is reduced by 10% and its breadth is increased by 10%, then the area**

A remains unchanged

B is decreased by 1%

C is decreased by 0.1%

D is increased by 0.1%

Answer: B

Explanation:
Let length and breadth of rectangle initially be 10 cm each

Area = $A = lb = 10 \times 10 = 100 \, cm^2$

New length after 10% decrease = 9 cm and similarly new breadth = 11 cm

=> New area = $A' = 9 \times 11 = 99 \, cm^2$

$\therefore$ Decrease in area = $\frac{100-99}{100} \times 100 = 1\%$

=> Ans - (B)

70. **The sum of the present ages of a father and his son is 99 years. When the father was as old as his son is now, his age was four times the age of the son at that time. The ratio of the present ages of the son and the father is**

A   3 : 7

B   3 : 8

C   4 : 9

D   4 : 7

Answer: D

Explanation:
Let son's present age = x years and father's present age = y years

=> $x + y = 99$

Let n years ago, father was same as his son's age, where $n = y - x$

=> $4(x - n) = (y - n)$

=> $4x - 4(y - x) = y - y + x$

=> $8x - 4y = x$

=> $7x = 4y$

=> $\frac{x}{y} = \frac{4}{7}$

=> Ans - (D)

71. **If an article is sold for Rs. x, there is a loss of 15%. If the same article is sold for Rs. y, there is a profit of 15%. The ratio of (y - x) to (y + x) is**

A   20 : 23

B   20 : 3

C   3 : 20

D   17 : 23

Answer: C

Explanation:

Initial selling price = Rs. x

Cost price after 15% loss = $\dfrac{x}{100-15} \times 100$ -------------(i)

New selling price = Rs. y

Cost price after 15% gain = $\dfrac{y}{100+15} \times 100$ ------------(ii)

Comparing equations (i) and (ii),

=> $\dfrac{x}{85} = \dfrac{y}{115}$

=> $\dfrac{x}{y} = \dfrac{115}{85} = \dfrac{23}{17}$

Using componendo and dividendo

=> $\dfrac{y-x}{y+x} = \dfrac{17-23}{17+23} = \dfrac{6}{40}$

=> $\dfrac{y-x}{y+x} = 3 : 20$

=> Ans - (C)

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72. **If** $\sqrt{x + \frac{x}{y}} = x\sqrt{\frac{x}{y}}$ **, where x and y are positive real numbers, then y is equal to**

A $x+1$

B $X^2 - 1$

C $X - 1$

D $X^2 + 1$

Answer: B

Explanation:

Expression : $\sqrt{x + \frac{x}{y}} = x\sqrt{\frac{x}{y}}$

=> $x + \dfrac{x}{y} = x^2 \times \dfrac{x}{y}$

=> $1 + \dfrac{1}{y} = \dfrac{x^2}{y}$

=> $\dfrac{1}{y}(x^2 - 1) = 1$

=> $y = x^2 - 1$

=> Ans - (B)

73. **A number when divided by 195 leaves a remainder 47. If the same number is divided by 15, the remainder will be**

A   4

B   3

C   2

D   1

   Answer: C

Explanation:

A number when divided by 195 leaves a remainder 47

Let the number be $N = 195q + 47$

Now, if N is divided by 15, the remainder is = $(195q + 47)\%15$

Since, 195 is completely divided by 15, thus remainder depends on 47, => $47 = 3 \times 15 + 2$

=> Remainder = **2**

=> Ans - (C)

74. **If a : b = 3 : 4; b : c = 4 : 7, then $\frac{a+b+c}{c}$ is equal to**

A   1

B   2

C   3

D   7

   Answer: B

Explanation:

Given = a : b = 3 : 4; b : c = 4 : 7

=> $a : b : c = 3 : 4 : 7$

Let $a = 3, b = 4, c = 7$

$\therefore \frac{a+b+c}{c}$

= $\frac{3+4+7}{7} = \frac{14}{7} = 2$

=> Ans - (B)

75. **Two trains of lengths 120m and 90m are running with a speed of 8 km/h respectively towards each other on parallel lines. If they are 90 km apart, after how many seconds they will cross each other?**

A 5.6

B 7.2

C 8

D 9

Answer: C

77. **A person goes from town A to town B with a speed of 60 km/h and return to A with a speed of 40 km/h. His average speed for the whole journey is**

A 50 km/h

B 48 km/h

C 45 km/h

D 55 km/h

Answer: B

Explanation:

Average speed is the harmonic mean of both speeds = $2 \div \left(\frac{1}{60} + \frac{1}{40} \right)$

= $2 \div \left(\frac{2+3}{120} \right)$

= $2 \times \frac{120}{5} = 48$ km/hr

=> Ans - (B)

77. **Twelve men can complete a work in 8 days. Three days after they started the work, it was decided to complete the remaining work in 4 days. How many more men should be employed so that the remaining work can be completed in 4 days?**

A 3

B 4

C 5

D 6

Answer: A

Explanation:

Let total work to be done = 96 units

Thus, 12 men complete 12 units of work each day, thus 1 man's efficiency = 1 unit/day

Work done in first 3 days = 36 units

Now, remaining work, i.e. 60 units must be completed in 4 days

=> Number of men required = $\frac{60}{4} = 15$

Thus, **3 more men** are required.

=> Ans - (A)

78. **Efficiency of A is twice as that of B. If they work together, they can complete a job in 18 days. If A alone does the job, in how many days he will complete the job?**

A 27 days

B 36 days

C 40 days

D 54 days

  Answer: D

Explanation:

Let total work = 18 units

Let B's efficiency = x units/day and A's efficiency = $2x$ units/day

According to ques, working together, they finish work in = $(x + 2x) \times 18 = 18$

=> $3x = 1$

=> $x = \frac{1}{3}$

$\therefore$ Time taken by A alone to finish the work = $\frac{18}{\frac{1}{3}} = 54$ days

=> Ans - (D)

79. **Two pipes A and B can fill a tank in 24 hours and 30 hours respectively. If both pipes are opend together, the time taken to fill the tank is**

A 27 h.

B $\frac{40}{3}$ h.

C $\frac{41}{3}$ h.

D $\frac{44}{3}$ h.

  Answer: B

Explanation:

Two pipes A and B can fill a tank in 24 hours and 30 hours respectively.

Time taken by both pipes together = $1 \div \left(\frac{1}{24} + \frac{1}{30} \right)$

$\qquad \frac{5+4}{}$

$$= 1 \div \left(\frac{5+4}{120} \right)$$

$$= \frac{120}{9} = \frac{40}{3} \text{ hours}$$

=> Ans - (B)

80. **If $\frac{4}{9}th$ of a bucket is filled in one minute, the rest of it will be filled in**

A 1 min

B $\frac{9}{4}$ min

C $\frac{5}{4}$ min

D $\frac{4}{5}$ min

Answer: C

Explanation:

Let quantity of bucket = 9 units

Here, 4 units is filled in 1 minute

=> Remaining, 5 units will be filled in = $\frac{5}{4}$ min

=> Ans - (C)

Logical Ability

Instructions [81 - 85]

In each question given below, there is a statement followed by two assumptions numbered I and II. An assumption is something supposed or taken for granted. You have to consider the statement and the following assumptions and decide which of the assumptions is implicit in the statement.

81. **Statement: The cotton crop continues to be poor even after the introduction of improved variety of cotton seeds.**
    Assumptions:
    I. The yield of cotton was expected to increase after introduction of improved variety of seeds.
    II. The yield of cotton was adequate before the introduction of new variety of seeds.

A if only assumption I is implicit;

B if only assumption II is implicit;

C if neither I nor II is implicit;

D if both I and II are implicit.

Answer: A

82. **Statement: No budgetary provision for the purpose of appointing additional faculty would be made in the context of institute's changed financial priorities.**
   Assumptions:
   I. Appointment of faculty requires funds.
   II. There are areas other than appointment of faculty which require more financial attention.

   A   if only assumption I is implicit;

   B   if only assumption II is implicit;

   C   if neither I nor II is implicit;

   D   if both I and II are implicit.

   Answer: D

83. **Statement: The office building needs repairing just as urgently as it needs internal as well as external painting.**
   Assumptions:
   I. Efficiency of people working in the office cannot be improved unless office building is repaired.
   II. Repairing and painting of office building require funds.

   A   if only assumption I is implicit;

   B   if only assumption II is implicit;

   C   if neither I nor II is implicit;

   D   if both I and II are implicit.

   Answer: C

84. **Statement: An opportunity to carry out reforms in elections to the Parliament and State Legislatures has been lost when we rejected most of the recommendations of Goswami Committee for partisan reasons.**
   Assumptions:
   I. Goswami Committee made certain good recommendations to improve the existing election system.
   II. Most of the decisions in our country are taken with partisan considerations.

   A   if only assumption I is implicit;

   B   if only assumption II is implicit;

   C   if neither I nor II is implicit;

D if both I and II are implicit.

Answer: B

85. **Statement: Shri Roy, retired IAS official has taken over as the new Director of the All India Nuclear Research Institute. It is now expected that the administration of the institute will improve.**
Assumptions:
I. The Institute had no Director before Shri Roy.
II. Director is supposed to look after the administration of the Institute.

A if only assumption I is implicit;

B if only assumption II is implicit;

C if neither I nor II is implicit;

D if both I and II are implicit.

Answer: B

Instructions [86 - 90]

At an Electronic Data Processing Unit, five out of the eight program sets P, Q, R, S, T, U, V and W are to be operated daily. On any one day, except for the first day of a month, only three of the program sets must be the ones that were operated on the previous day. The
program operating must also satisfy the following conditions:
(i) If program 'P' is to be operated on a day, 'V' cannot be operated on that day.
(ii) If 'Q' is to be operated on a day, 'T' must be one of the programs to be operated after 'Q'.
(iii) If 'R' is to be operated on day, 'V' must be one of the programs to be operated after 'R'.
(iv) The last program to be operated on any day must be either 'S' or 'U'.

86. **Which of the following is true of any day's valid program set operation?**

A 'P' cannot be operated at third place

B 'Q' cannot be operated at third place

C 'R' cannot be operated at fourth place

D 'U' cannot be operated at fourth place

Answer: C

87. **If the program sets 'R' and 'W' are to be operated on the first day, which of the following could be the other programs on that day?**

A Q, T, V

B T, S, V

C Q, S, V

D T, S, U

Answer: B

88. **If the program sets operated on a day is P, Q, W, T, U each of the following could be the next day's program set except**

A Q, R, V, T, U

B Q, T, V, W, S

C W, R, V, T, U

D W, T, S, P, U

Answer: D

89. **Which of the following could be the set of programs to be operated on the first day of a month?**

A P, R, V, S, U

B Q, S, R, V, U

C T, U, R, V, S

D U, Q, S, T, W

Answer: C

90. **If 'R' is operated at third place in a sequence, which of the following cannot be the second program in that sequence?**

A Q

B S

C T

D U

Answer: A

In each question below are given three statements followed by four conclusions numbered I, II, III and IV. You have to take the three given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusions logically follows from the three given statements, disregarding commonly known facts.

91. **Statements: Some apples are watermelons. All watermelons are fresh. Some potatoes are fresh.**
    Conclusions:
    I. Some apples are fresh.
    II. Some potatoes are apples.
    III. Some watermelons are potatoes.
    IV. Some watermelons are apples.

A   Only I

B   Only I and II

C   Only I and IV

D   Either II or III and I

 Answer: C

92. **Statements: All pens are pencils. Some pens are erasers. Some erasers are clips.**
    Conclusions:
    I. Some clips are pens.
    II. No clip is a pen.
    III. Some erasers are pencils.
    IV. No eraser is a pencil.

A   Only I and II

B   III and either I or II

C   IV and either I or II

D   Only III

 Answer: B

93. **Statements: Some books are papers. Some papers are plastic. No plastic is black.**
    Conclusions:
    I. Some papers are not black.
    II. All papers are not black.
    III. Some papers are black.
    IV. Some books are black.

A Only I

B Only I and IV

C I, III and IV

D Either II or III

Answer: D

94. **Statements: Some doors are windows. All windows are black. Some black are brown.**
    Conclusions:
    I. Some windows are brown.
    II. All doors are black.
    III. Some doors are black.
    IV. No window is brown.

A Only III

B Either I or IV, and III

C Only II

D Only IV

Answer: B

95. **Statements: All teachers are doctors. All doctors are engineers. All engineers are typists.**
    Conclusions:
    I. Some typists are teachers.
    II. All doctors are typists.
    III. Some engineers are teachers.
    IV. All doctors are teachers.

A Only I and II

B Only I and III

C Either II or IV

D Only I, II and III

Answer: D

Instructions [96 - 100]

In each question below is given a statement followed by two courses of action numbered I and II. A course of action is a step or administrative decision to be taken for improvement, follow-up or further action in

regard to the problems, policy, etc. on the basis of the information given in the statement. You have to assume everything in the statement to be true, then decide which of the given suggested courses of action logically follows for pursuing.

96. **Statement: Air export volumes have increased substantially over the past decade causing backlogs and difficulties for air cargo agents because of increased demand for space and service.**
    Courses of Action:
    I. Airlines and air cargo agents should jointly work out a solution to combat the problem.
    II. The reasons for the increase in the volume of air export should be found out.

A if only I follows;

B if only II follows;

C if neither I nor II follows

D if both I and II follow.

   Answer: B

97. **Statement: The world conference on "Education of All" took place in Thailand in 1990. Widely attend conference endorsed the Framework for Action for Meeting the Basic Learning Needs of all Children.**
    Course of Action:
    I. India should suitably implement the Action points of this conference.
    II. India should also immediately organize this type of conference.

A if only I follows;

B if only II follows;

C if neither I nor II follows

D if both I and II follow.
   Answer: A

98. **Statement: About 30 to 40% of children who are enrolled, do not attend school on any given day.**
    Course of Action:
    I. More schools should be started
    II. Reasons for their absenteeism should be found out.

A if only I follows;

B if only II follows;

C if neither I nor II follows

D if both I and II follow.

   Answer: B

99. **Statement: Although the Indian economy is still heavily dependent on agriculture, its share in global agricultural trade is less than the share of agricultural exports to total exports.**
    Course of Action:
    I. Efforts should be made to increase our agricultural production.
    II. The exports of non-agricultural commodities should be reduced.

A if only I follows;

B if only II follows;

C if neither I nor II follows

D if both I and II follow.

   Answer: C

00. **Statement: Huge amount of resources are required to develop tourist places in a country like India which is endowed with vast coastal lines, rivers, forests, temples, etc.**
    Courses of Action:
    I. More tourist-resorts along the coastal line only should be started.
    II. The tourist-potential of India should be exploited.

A if only I follows; Give answer

B if only II follows; Give answer

C if neither I nor II follows and give answer

D if both I and II follow.

   Answer: D

Instructions [101 - 105]

Each of the questions below consists of a question and two statements marked P and Q given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and: Give answer:

01. **How many daughters does 'L' have?**
    P. R's father has three daughters.
    Q. 'T' is R's sister and daughter of L.

A if the data in statement P alone are sufficient to answer the question, while the data in statement Q alone are not sufficient to answer the question.

B if the data in statement Q alone are sufficient to answer the question, while the data in statement P alone are not sufficient to answer the question.

C if the data even in both the statement P and Q together are not sufficient to answer the question.

D if the data in both statements P and Q together are needed to answer the question.

Answer: D

02. **Who is the brother of C?**
P. D is the daughter of M.
Q. M is the father of C.

A if the data in statement P alone are sufficient to answer the question, while the data in statement Q alone are not sufficient to answer the question.

B if the data in statement Q alone are sufficient to answer the question, while the data in statement P alone are not sufficient to answer the question.

C if the data even in both the statement P and Q together are not sufficient to answer the question.

D if the data in both statements P and Q together are needed to answer the question.

Answer: C

03. **A library contains only English, Hindi and Telugu novels. How many Telugu novels are there in the library?**
P. Of the one thousand novels is the library, fifty per cent novels are in English and Hindi.
Q. The number of Hindi novels is double the number of English novels.

A if the data in statement P alone are sufficient to answer the question, while the data in statement Q alone are not sufficient to answer the question.

B if the data in statement Q alone are sufficient to answer the question, while the data in statement P alone are not sufficient to answer the question.

C if the data even in both the statement P and Q together are not sufficient to answer the question.

D if the data in both statements P and Q together are needed to answer the question.

Answer: A

04. **"You must renew your driving licence within ten days from the date of expiry".**
   What is the exact date before which the licence must be renewd?
   P. The statement was uttered on 17th February.
   Q. It was a leap year.

A if the data in statement P alone are sufficient to answer the question, while the data in statement Q alone are not sufficient to answer the question.

B if the data in statement Q alone are sufficient to answer the question, while the data in statement P alone are not sufficient to answer the question.

C if the data even in both the statement P and Q together are not sufficient to answer the question.

D if the data in both statements P and Q together are needed to answer the question.

   Answer: C

05. **The area of a playground is 484 sq. metres. What is its perimeter?**
   P. It cots Rs. 912 to put a fence around the playground.
   Q. The playground is a perfect square.

A if the data in statement P alone are sufficient to answer the question, while the data in statement Q alone are not sufficient to answer the question.

B if the data in statement Q alone are sufficient to answer the question, while the data in statement P alone are not sufficient to answer the question.

C if the data even in both the statement P and Q together are not sufficient to answer the question.

D if the data in both statements P and Q together are needed to answer the question.

   Answer: B

06. **Four of the following five are alike in a certain way and so form a group. Which**
   one of the following does not belong to the group?

A Ear

B Lung

C Heart

D Kidney

   Answer: A

07. **Raman starts walking towards West. After walking 10 metres he turns towards North. After walking 20 metres he turns towards East and walk 10 meters. How far is he from him original position and in which direction?**

A 20 metres, North

B 10 metres, North

C 10 metres, South

D 20 metres, South

Answer: A

08. **Anxiety causes ulcer. However, some who are happy-go-lucky type also suffer from ulcer. Which of the following would strengthen the association of anxiety and ulcer?**

A Peptic ulcer is caused by either excessive anxiety or spicy food.

B Anxiety is more harmful than ulcer.

C About 90% of the women suffer from ulcer.

D About 65% of the ulcer patients were found to be high on anxiety.

Answer: D

09. **Role conflict and ambiguity are the most widely examined source variables in managerial stress research. Research in this area is extremely homogeneous, as anywhere from 50% to 85% of this literature employs scales developed by APA. Based on the above information, which of the following can be concluded?**

A 50% to 85% of the studies on stress are related to role conflict and ambiguity.

B In this area only one scale developed by APA is available.

C Role conflict is the only cause of stress.

D There is dearth of research in the field of managerial stress.

Answer: A

10. **'A' is taller than 'B'. 'C' is taller than 'D', 'D' is taller than 'E'. To determine who among them is the tallest, which of the following further information, if any, is required?**

A 'A' is taller than 'E' and 'D'

B 'C' is taller than 'B'

C 'A' is taller than 'D'

D 'E' is taller than 'A'.

   Answer: C

Instructions [111 - 115]

In each of these questions, a situation has been explained through statements 1 and 2 followed by probable reasons RI and RII. Your task is to find out which is the reason for the situation.

11. **Statements:**
    1. According to an authentic report, several militants were hiding in area X.
    2. In spite of a thorough search they could not be found.
    RI. The locals were providing them with a cover.
    RII. When they came to know about the search, they moved on to another area.

A Only RI is right

B Only RII is right

C Either RI could be right or RII

D Neither RI nor RII is right.

   Answer: C

12. **Statements:**
    1. Many officers were transferred at a very short notice by the Chief Secretary.
    2. Only those officers, who kept the Chief Secretary in good humour were not transferred.
    RI. The Chief Secretary is a jolly person.
    RII. The transfers were based on personal feelings of the Chief Secretary.

A Only RI is right

B Only RII is right

C Either RI could be right or RII

D Neither RI nor RII is right.

   Answer: B

13. **Statements:**
    1. Party 'X' lost elections in a certain area.
    2. Lack of enthusiasm in the party workers was very noticeable.
    RI. The party workers play a major role during election campaign.
    RII. Had the workers been the devoted type, the party was sure to win the elections.

A Only RI is right

B Only RII is right

C Either RI could be right or RII

D Neither RI nor RII is right.

   Answer: D

14. **Statements:**
    1. Only those buildings fell down during heavy rains which had faulty designs or inferior material.
    2. The heavy rains wiped a whole colony.
    RI. The houses in the colony had faulty designs.
    RII. An inferior kind of building material was used during construction.

A Only RI is right

B Only RII is right

C Either RI could be right or RII

D Neither RI nor RII is right.

   Answer: C

15. **Statements:**
    1. If a person dies while he is in police custody, the policeman are summoned by the Court.
    2. If atrocities are proved, they are punished by law.
    RI. Law is very considerate for the criminals.
    RII. No person can die a natural death while he is in police custody.

A Only RI is right

B Only RII is right

C Either RI could be right or RII

D Neither RI nor RII is right.

   Answer: A

Each question contains six statements followed by four sets of combinations of three. Choose the set in which the statements are logically related.

16. **(A) No wealthy persons are vagrants.**
    (B) All lawyers are wealthy persons.
    (C) Some lawyers are vagrants.
    (D) Some wealthy persons are not vagrants.
    (E) No lawyers are vagrants.
    (F) All lawyers are vagrants.

A ABC

B BED

C ABF

D ABE

  Answer: D

17. **(A) All voters are residents.**
    (B) Some voters are citizens.
    (C) All citizens are residents.
    (D) No citizen is a resident.
    (E) All voters are citizens.
    (F) Some residents are voters.

A CEA

B ACB

C CEF

D AED

  Answer: C

18. **(A) Some preachers are persons of unfailing vigor.**
    (B) Some intellectuals are persons of unfailing vigor.
    (C) No preacher is an intellectual.
    (D) Some persons of unfailing vigor are not preachers.
    (E) All preachers are persons of unfailing vigor.
    (F) Some intellectuals are not preachers.

A CBA

B CBD

C ABD

D CBE

   Answer: B

19. **(A) All students are the people who saw the game.**
    (B) All persons who saw the game are persons who were at dance.
    (C) Some students were persons who were at the dance.
    (D) Some persons who saw the game are students.
    (E) Some students are not the persons who saw the game.
    (F) No one who was at the dance saw the game.

A BDC

B ABC

C ACF

D CDA

   Answer: A

20. **(A) Some intellectuals are shy and retiring people.**
    (B) Some shy and retiring people are successful politicians.
    (C) No intellectuals are successful politicians.
    (D) All shy and retiring people are intellectuals.
    (E) Some successful politicians are intellectuals.
    (F) No shy and retiring people are successful politicians.

A CFA

B CDF

C FAE

D CBD

   Answer: B

General knowledge

21. **The royal court of Alauddin was graced by the great poet**

A Firdausi

B Omar Khaiyyam

C Amir Khusru

D Ibn Batuta

Answer: C

22. **Match the facts of List-1 with List-2 and then answer which choice is correct?**

List-1	List-2
A. Sri Chaitanya	(a) Malabar
B. Nanak	(b) Maharashtra
C. Tukaram	(c) Punjab
D. Shankaracharya	(d) Bengal

A A-(a), B-(c), C-(b), D-(d)

B A-(c), B-(d), C-(b), D-(a)

C A-(d), B-(c), C-(b), D-(a)

D A-(b), B-(d), C-(c), d-(a)

Answer: C

23. **The name of India's first aircraft carrier is**

A INS Vikrant

B INS Nilgiri

C INS Kukri

D INS Himgiri

Answer: A

24. **Which of the following is associated with the manufacture of guided missiles?**

A Bharat Earth Movers Limited

B Bharrat Dynamics Limited

C Hindustan Aeronautics Limited

D Bharat Electronics Limited

Answer: B

25. **National Highway No. 3 runs from**

A Delhi to Chennai

B Amritsar to
Kolkatta

C Delhi to Ahmedabad

D Attari to ladakh

Answer: D

26. **The first nuclear test was conducted in India in the year**

A 1973

B 1974

C 1975

D 1976

Answer: B

27. **Which State grows nearly 30 per cent of world opium?**

A M.P

B West Bengal

C Gujarat

D Bihar

Answer: A

28. **A list of national languages can be traced in the .... Of the Indian Constitution.**

A Fifth Schedule

B   Sixth Schedule

C   Seventh Schedule

D   Eighth Schedule

   Answer: D

29. **Which one of the following provides constitutional guarantee of personal freedom?**

A   Mandamus

B   Certiorari

C   Hebeas Corpus

D   Quo Warranto

   Answer: C

30. **Which one of these countries is not in Scandinavia?**

A   Denmark

B   Luxembourg

C   Norway

D   Sweden

   Answer: B

31. **What is the official language of the Argentina?**

A   Portuguese

B   Spanish

C   Italian

D   German

   Answer: B

32. **Falkland Islands are in**

A   Antarctica

B   North Atlantic

C   South Atlantic

D   Pacific

   Answer: C

33.   **The French Revolution gave its modern meaning to the term**

A   Nation

B   Sovereignty

C   Republic

D   Capitalism

   Answer: A

34.   **The Iran-Iraq war started for exclusive possession of**

A   Iranian oil refineries

B   the whole of Western Iran

C   the territory already captured by Iran from Jordan and Iraq both

D   Shatt-al-Arab region

   Answer: C

35.   **'Dirham' is the currency of**

A   Malta

B   Iran

C   Morocco

D   Libya

   Answer: C

36.   **OPEC stands for**

A   Oil Producing European Countries

B Organization of Petroleum Exporting Countries

C Oil and Petroleum Exploring Countries

D Organization of Pacific Exploring Countries.

   Answer: B

37. **A light-year is a unit of**

A time

B distance

C velocity

D energy

   Answer: B

38. **The main masses of land above sea level are called**

A Continent

B Islands

C Nations

D Countries

   Answer: A

39. **The Mineral resource which has made Middle East of vital importance to the world to-day is**

A Coal

B Tin

C Oil

D Silver

   Answer: C

40. **Which one of the following match with 'Khetri, Jharia, Kudermukh, Kolar respectively?**

A copper, coal, iron, gold

B coal, bauxite, iron, gold

C iron, copper, coal, gold

D bauxite, coal, iron, gold

Answer: A

41. **The Alpine races mostly live in the Indian States of**

A Rajasthan and Punjab

B Tamil Nadu and Kerala

C Karnataka and Maharashtra

D Gujrat and West Bengal

Answer: D

42. **Which of the following factors influence the climate of India?**

A Long Coastal Area

B Nearness to Equator

C The Himalayas

D The Relief of Our Land.

Answer: C

43. **What is the distance of running in a marathon race?**

A 26 miles 385 yards

B 26 miles 405 yards

C 26 miles 180 yards

D 26 miles

Answer: A

44. **'Prince of Wales Cup' is associated with the game of**

A Hockey

B Basket ball

C Golf

D Volleyball

Answer: A

45. **'Quessberry Rules' is the name given to the rules in**

A Hockey

B Cricket

C Tennis

D Boxing

Answer: D

46. **Who was the first recipient of Nehru Award for International Understanding?**

A Martin Luther King

B Mother Teresa

C U. Thant

D Dr. Jonas Salk

Answer: C

47. **Which of the following Indians was awarded 'Legion D Award', the highest civilian award of France?**

A Pandit Ravi Shankar

B Satyajit Ray

C   Pt. Jawaharlal Nehru

D   Indira Gandhi

   Answer: B

48. **C.Funk's name has been associated with the research of which of the following?**

A   Vitamins

B   Proteins

C   Minerals

D   Carbohydrates

   Answer: A

49. **Who defined democracy as a "Government of the people, by the people and for the people"?**

A   Mahatma Gandhi

B   Ruskin

C   Aristotle

D   Abraham Lincoln

   Answer: D

50. **Who said, "give me somewhere to stand, and I will move the world"?**

A   Archimedes

B   Galileo

C   Edison

D   Newton

   Answer: A

51. **Ben Hur, the world famous epic, is written by**

A   John Milton

B   George Orwell

C Lewis Wallace

D Leo Tolstoy

   Answer: C

52. **Poliomyelitis is caused by**

A Mosquito

B Virus

C Water

D Adulterated Food

   Answer: B

53. **A person in normal health requires per day**

A 1000 - 1800 calories

B 2000 - 3000 calories

C 3000 - 4000 calories

D 4000 - 5000 calories

   Answer: B

54. **The fourth estate is**

A Press

B Property

C Metals

D Tax

   Answer: A

55. **'Hertz' is a unit of**

A Velocity

B Wavelength

C Frequency of Sound Waves

D Magnetic field

   Answer: C

56. **A 'bear' on the Stock Exchange is a speculator**

A who sells shares which he does not possess.

B who applies for new issues of shares in the hope that the price will go up.

C whose holdings of the shares in a company is so large that selling them could affect the market price.

D who buys shares in the hope that price will go up.

   Answer: A

57. **The function of DNA in the body is**

A to help in the synthesis of proteins

B to control the heredity

C to assist in the release of energy

D none of the above

   Answer: D

58. **Which of the following is called a 'red planet'?**

A Pluto

B Venus

C Jupiter

D Mars

   Answer: D

59. **In a human body, the basic building block are**

A   Muscles

B   Cells

C   Bones

D   Nerves

Answer: B

60. **Which feature film was screened in the UN in Nov. 2006?**

A   Lage Raho Munna
bhai

B   Rang De Basanti

C   Black

D   The Kabul Express

Answer: A