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TS ICET 30th September 2020 Shift-1

Analytical Ability

Instructions [1 - 20]

In the followings, a question is followed by data in the form of two statements labelled as I and II. You must decide whether the data given in the statements are sufficient to answer the questions.

1. Is the positive integer 'n' even ?

(I) 12 n is an even integer.

(II) 11 n is an odd integer.

- A if the statement I alone is sufficient to answer the question.
- B if the statement II alone is sufficient to answer the question.
- C if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient
- D if both the statements I and II together are not sufficient to answer the question and additional data is required.

Answer: B

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2. Among A, B, C, D and E, who is the heaviest?

(I) C is heavier than only A.

(II) D is lighter than B, but heavier than C and E.

- A if the statement I alone is sufficient to answer the question.
- B if the statement II alone is sufficient to answer the question.
- C if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient
- D if both the statements I and II together are not sufficient to answer the question and additional data is required.

Answer: C

3. What is the perimeter of the equilateral triangle?

(I) All the sides are equal.

(II) The area of the triangle is $\frac{\sqrt{3}}{4}$ Sq. units.

- A if the statement I alone is sufficient to answer the question.
- B if the statement II alone is sufficient to answer the question.
- C if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient
- D if both the statements I and II together are not sufficient to answer the question and additional data is required.

Answer: B

4. Find the value of x?

(I) x is divisible by 2

(II) x is divisible by 7

- A if the statement I alone is sufficient to answer the question.

- B** if the statement II alone is sufficient to answer the question.
- C** if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient
- D** if both the statements I and II together are not sufficient to answer the question and additional data is required.

Answer: D

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5. If a_1, a_2, \dots, a_{40} are in arithmetic progression, then the common difference is

- (I) $a_{36} - a_{10} = 52$
- (II) $a_{40} = 83$

- A** if the statement I alone is sufficient to answer the question.
- B** if the statement II alone is sufficient to answer the question.
- C** if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient
- D** if both the statements I and II together are not sufficient to answer the question and additional data is required.

Answer: A

6. Which train is moving with a greater speed?

- (I) A train P of length 300m crosses a man in 18 seconds,
- (II) Another train Q of length 250m crosses a bridge of length 350m in 20 seconds.

- A** if the statement I alone is sufficient to answer the question.
- B** if the statement II alone is sufficient to answer the question.
- C** if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient
- D** if both the statements I and II together are not sufficient to answer the question and additional data is required.

Answer: C

7. what is the value of $\frac{x^3 + 3x^2y + y^3}{4xy^2}$

- (I) $x = 43$
- (II) $x : y = 7 : 9$

- A** if the statement I alone is sufficient to answer the question.
- B** if the statement II alone is sufficient to answer the question.
- C** if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient
- D** if both the statements I and II together are not sufficient to answer the question and additional data is required.

Answer: B

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8. What is relative speed of the boat?

- (I) Speed of boat in still water is 2 kmph.
- (II) The boat is moving against the current.

- A** if the statement I alone is sufficient to answer the question.
- B** if the statement II alone is sufficient to answer the question.
- C** if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient
- D** if both the statements I and II together are not sufficient to answer the question and additional data is required.

Answer: D

9. Is n a prime number?

- (I) The sum of positive divisors of n is $n + 1$,
- (II) n is a positive integer.

- A** if the statement I alone is sufficient to answer the question.
- B** if the statement II alone is sufficient to answer the question.
- C** if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient
- D** if both the statements I and II together are not sufficient to answer the question and additional data is required.

Answer: C

10. If a, b are positive integers such that $ab = 84$, what is the value of a ?

- (I) $a > b$
- (II) $9 < \frac{a}{b} < 10$

- A** if the statement I alone is sufficient to answer the question.
- B** if the statement II alone is sufficient to answer the question.
- C** if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient
- D** if both the statements I and II together are not sufficient to answer the question and additional data is required.

Answer: B

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11. what is average of x, y, z and t ?

- (I) The average of x and t is and the average of y and z is also 5.
- (II) x, y, z and t are integers ≥ 1 .

- A** if the statement I alone is sufficient to answer the question.
- B** if the statement II alone is sufficient to answer the question.
- C** if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient
- D** if both the statements I and II together are not sufficient to answer the question and additional data is required.

Answer: A

12. What is the interest earned in one financial year on a term deposit in a bank?

- (I) The amount deposit is Rs.10000.
- (II) The rate of interest is 6.5% per annum.

- A** if the statement I alone is sufficient to answer the question.

- B** if the statement II alone is sufficient to answer the question.
- C** if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient
- D** if both the statements I and II together are not sufficient to answer the question and additional data is required.

Answer: D

13. Does the Set A contain primes?

(I) A has 99 elements in it.

(II) $A = \{100! + 2, 100! + 3, \dots, 100! + 100\}$

- A** if the statement I alone is sufficient to answer the question.
- B** if the statement II alone is sufficient to answer the question.
- C** if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient
- D** if both the statements I and II together are not sufficient to answer the question and additional data is required.

Answer: B

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14. Is n a perfect square of an integer?

(I) n leaves remainder 2 when n is divided by 4.

(II) n leaves remainder 1 when n is divided by 8.

- A** if the statement I alone is sufficient to answer the question.
- B** if the statement II alone is sufficient to answer the question.
- C** if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient
- D** if both the statements I and II together are not sufficient to answer the question and additional data is required.

Answer: A

15. What is the number of vertices of the regular polygon?

(I) The sum of the angles subtended by the sides at the centre of the polygon is 2π

(II) The number of diagonals of the polygon is 170.

- A** if the statement I alone is sufficient to answer the question.
- B** if the statement II alone is sufficient to answer the question.
- C** if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient
- D** if both the statements I and II together are not sufficient to answer the question and additional data is required.

Answer: B

16. Find the value of $\sin^2 \theta + \sin \theta \cos \theta + \cos^2 \theta$

(I) $\theta \in (0, \frac{\pi}{2})$

(II) $\sin \theta = \cos \theta$

- A** if the statement I alone is sufficient to answer the question.
- B** if the statement II alone is sufficient to answer the question.

- C** if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient
- D** if both the statements I and II together are not sufficient to answer the question and additional data is required.

Answer: C

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17. What is the least value of θ ?

(I) The matrix $= \begin{bmatrix} \tan \theta & 0 & 0 \\ 0 & 1 & 1 \\ 0 & 1 & 1 \end{bmatrix}$ is singular

(II) $0 < \theta < \frac{\pi}{4}$

- A** if the statement I alone is sufficient to answer the question.
- B** if the statement II alone is sufficient to answer the question.
- C** if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient
- D** if both the statements I and II together are not sufficient to answer the question and additional data is required.

Answer: A

18. What are the co-ordinates of the point P?

(I) P lies on the line of $y = x$

(II) P is at a distance of $\sqrt{18}$ units from the origin.

- A** if the statement I alone is sufficient to answer the question.
- B** if the statement II alone is sufficient to answer the question.
- C** if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient
- D** if both the statements I and II together are not sufficient to answer the question and additional data is required.

Answer: C

19. Is $g : \mathbb{R} \rightarrow \mathbb{R}$ an even function?

(I) $g(x) = ax^5 + bx^3 + cx^2 + x$

(II) a, b, c are integers

- A** if the statement I alone is sufficient to answer the question.
- B** if the statement II alone is sufficient to answer the question.
- C** if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient
- D** if both the statements I and II together are not sufficient to answer the question and additional data is required.

Answer: A

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20. What is the distance between the towns A and C?

(I) It takes 60 minutes to go from A to B

(II) It takes 90 minutes to go B to C

- A** if the statement I alone is sufficient to answer the question.
- B** if the statement II alone is sufficient to answer the question.
- C** if both the statements I and II are sufficient to answer the question but neither statement alone is sufficient
- D** if both the statements I and II together are not sufficient to answer the question and additional data is required.

Answer: D

21. **DOG : 071504 :: _____ : 200103**

- A** CAB
- B** CAT
- C** CAR
- D** CAN

Answer: B

22. **VERB : 22051802 :: NOUN: _____**

- A** 14152216
- B** 14221415
- C** 14221514
- D** 14152214

Answer: C

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23. **BEYOND : _____ :: WOULD : TLRIA**

- A** YCUKLA
- B** YBVLKA
- C** ZCVMLB
- D** ZDUNMC

Answer: B

24. **How many i's are preceded by vowels in this sequence?**
foileifioweihumpieaghia

- A** 6
- B** 5
- C** 4
- D** 7

Answer: C

25. 28, _____, 344, 120, _____

- A 24, 2198
- B 24, 2194
- C 26, 2198
- D 26, 2194

Answer: A

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26. BCR : L :: _____ : _____

- A CDN : O
- B DET : P
- C FPN : T
- D FGQ : H

Answer: B

27. QOMK : IGEC :: XVTR : _____

- A QMKS
- B PNLJ
- C PMOJ
- D OPSM

Answer: B

28. LAKE : PEOI :: MEAT : _____

- A SIIX
- B REOX
- C QIEX
- D QEIX

Answer: C

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29. Rsuv : Stvw :: Tuwx : _____

- A UvWX
- B uVYZ

C u V X Y

D U v x y

Answer: D

30. LAMP : ETFI :: BAND : _____

A VURX

B UTGW

C NBST

D UTHX

Answer: B

Instructions [31 - 35]

The number that does not fit in the following sequence is

31. 7, 13, 21, 31, 45, 57, 73

A 31

B 45

C 57

D 73

Answer: B

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32. 13, 21, 31, 43, 77

A 31

B 43

C 77

D 13

Answer: C

33. 24, 35, 48, 63, 80, 99, 122

A 63

B 80

C 99

D 122

Answer: D

34. 80, 150, 252, 392, 576, 812

- A 812
- B 392
- C 252
- D 80

Answer: A

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35. 120, 210, 336, 504, 720, 990, 1132

- A 120
- B 210
- C 336
- D 1332

Answer: D

Instructions [36 - 45]

Each of the questions from 36 to 45 follows a definite pattern, observe the same and fill in the blanks with suitable ones.

36. c a r o n _ a r _ n a c r o n a _ a o n _ c a r

- A a, o, n, a
- B a, o, c, a
- C a, c, o, a
- D a, n, o, a

Answer: B

37. 0.5, 4.5, 12.5, 24.5, 40.5, 60.5, ____

- A 67.5
- B 71.5
- C 79.5
- D 84.5

Answer: D

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38. 7, 14, ____, 36, ____, 66

- A 23, 49
- B 21, 49

C 21, 42

D 23, 42

Answer: A

39. 17, 37, 65, 82, _____

A 101

B 122

C 170

D 197

Answer: A

40. 307, ___, 313, ___, 331, ___, 347, 349, 353, 367

A 311, 319, 341

B 311, 317, 337

C 310, 318, 337

D 309, 319, 337

Answer: B

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41. GOD, ___, LTI, ___, UCR

A KQE, QXM

B IQF, PXM

C JQE, QYM

D KPF, PYN

Answer: B

42. MODI, ___, QKHE, SIJC, ____

A ONEH, UGLA

B OMFG, VHLL

C OMEI, UHLA

D OMFG, UGLA

Answer: D

43. BY, CX, EV, GT, ____

A IR

- B** JQ
C KP
D MN

Answer: C

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44. 10, 4.5, 3.5, 3.75, ____, 11.25

- A** 5.25
B 5.5
C 4.25
D 6.75

Answer: B

45. TRUMP, PTRUM, ____, UJMPTR, RUMPT

- A** RUMPTU
B MPTRU
C MPTUR
D MTRUP

Answer: B

Instructions [46 - 48]

Consider the following table that gives the production of different crops A, B, C, D, E by a state from 2010 to 2015 in million tonnes. Based on this information, answer questions 46 to 48 .

| Years | Crops | | | | |
|-------|-------|-----|-----|-----|-----|
| | A | B | C | D | E |
| 2010 | 412 | 371 | 510 | 621 | 435 |
| 2011 | 436 | 396 | 522 | 609 | 453 |
| 2012 | 472 | 404 | 512 | 637 | 471 |
| 2013 | 514 | 400 | 540 | 662 | 458 |
| 2014 | 504 | 422 | 561 | 694 | 482 |
| 2015 | 532 | 453 | 587 | 721 | 504 |

46. In which year, crop 'C' has registered highest percent of production over its previous year?

- A** 2011
B 2013

C 2014

D 2015

Answer: B

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47. In the year 2014, which crop has registered highest percent of production over that of the year 2012?

A A

B B

C C

D D

Answer: C

48. The percentage increase in production of crop 'A' over the entire period 2010 to 2015 is

A $\frac{3000}{103}$

B $\frac{3000}{515}$

C $\frac{3000}{104}$

D $\frac{3000}{107}$

Answer: A

Instructions [49 - 53]

The expenditure under five heads of account, A, B, C, D, E of a company is shown in the following Pie chart. Based on this data, answer the questions from 49-53.



| | |
|---|-------------------|
| A | 10% |
| B | 20% |
| C | 40% |
| D | $13\frac{1}{3}\%$ |
| E | $16\frac{2}{3}\%$ |

49. The difference in the sectorial angles of expenditure between the heads of accounts under C and D is

A 48°

B 64°

C 96°

D 104°

Answer: C

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50. If Rs. 120 lakhs is the total expenditure in an year, then the ratio of the expenditures under the heads B and E to that of C as is

A 3 : 4

B 5 : 7

C 9 : 11

D 11 : 12

Answer: D

51. In a particular year, the company decided to cutdown the expenditure under the head C to the extent of 5% and wanted to increase 2% in A and 3% in D. If the annual expenditure during that year is 96 lakhs, then the total expenditure towards the heads A and D (in lakhs of rupees) is

A 27.2

B 72.2

C 22.7

D 23.7

Answer: A

52. The average expenditure under various heads of the company is equal to the expenditure under which of the following heads of account:

A C alone

B B alone

C D and E

D A and B

Answer: B

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53. In a particular year, if the expenditure under D is Rs.16 lakhs, then the expenditure under B is (in lakhs of rupees)

A 18

B 21

C 24

D 25

Answer: C

Instructions [54 - 55]

In a class of 30 students, 15 can speak Marathi, 17 can speak Hindi and 13 can speak English, 5 students can speak both English and Marathi and two out of these can also speak Hindi. 6 students speak only English and speak only Hindi. Based on this information answer the following questions.

54. Number of students who can speak English and Hindi only

- A 2
- B 3
- C 4
- D 5

Answer: A

55. How many students can speak only Marathi?

- A 7
- B 6
- C 5
- D 4

Answer: D

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Instructions [56 - 60]

Answer the questions 56 to 60 based on the following table, and the rules stated below:

| Letter | D | F | H | J | L | N | P | R | S | T | W | O | I | E |
|--------|---|---|---|---|---|---|---|---|---|---|---|----|---|---|
| Symbol | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | * | @ | % | \$ | £ | & |

- i) If the first and last letters of a word are consonants then codes are interchanged;
- ii) If the first and last letters of a word are vowels, and they are replaced by the symbol β ;
- iii) If two vowels come together in a word then they are replaced by the symbols that come next to the vowel in the chart

56. The code for JOINT is

- A @£&64
- B 4£6&@
- C £@4&6
- D 6%*@4

Answer: A

57. The code for FLOWS is

- A 25%\$*

- B** *5\$%2
C \$*52%
D 52*f@

Answer: B

58. The code for WOOD is

- A** *\$\$%2
B 1%&&*
C *ff1%
D f**45

Answer: C

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59. The code for ORTHO is

- A** $\beta 83a\beta$
B \$8a3\$
C $\beta 3a8\beta$
D $\beta 8a3\beta$

Answer: D

60. The code for SPORTS is

- A** *7\$8@*
B 7*8@\$7
C 8@\$f%8
D f@4*%f

Answer: A

61. If TRACE is coded as USBDF then the code word for ARSON is

- A** BSTPO
B BTUQP
C BUVRS
D BVWST

Answer: A

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62. If REPLEH is coded as HELPER the code for COMBINE is

- A EMBINPD
- B ENIBMOC
- C EOCDNQR
- D EPQRODC

Answer: B

63. If CUPBOARD is coded as DROABPCU then the word for PRACTICE is

- A ETCIPRA
- B ERPTIAC
- C ECTICAPR
- D EPRATIC

Answer: C

64. If ENGLAND is coded as 123456 and FRANCE is coded as 785291 then the code for 381191 is

- A CYPRUS
- B TURKEY
- C CANADA
- D GREECE

Answer: D

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65. In a certain code 16 means SWEET AND HOT 537 means COFFEE IS SWEET and 236 means TEA IS HOT. Then 536 means

- A COFFEE IS HOT
- B COFFEE IS SWEET
- C TEA IS SWEET
- D SWEET IS HOT

Answer: A

66. Today is Friday. The day after 302 days will be _____

- A Saturday
- B Friday

C Monday

D Sunday

Answer: A

67. How many times the hour and minute hands of a clock will be at right angle in a day of 24 hours?

A 44

B 40

C 22

D 20

Answer: A

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68. At what time between 5.30 and 6.00 will the hours hand and minutes hand of a clock will be at right angle?

A $5.43\frac{5}{11}$

B $5.43\frac{7}{11}$

C 5.40

D 5.45

Answer: B

69. If A's father is B, C is the father of B and D is A's mother, then how is C related to D?

A Father

B Nephew

C Father-in-law

D Uncle

Answer: C

70. Mr.P left home for the bus stop 30 minutes earlier than usual. It takes 18 minutes, for P to reach the bus stop. If P reaches bus stop at 9.00 am, then at what time does P usually leave house for the bus stop?

A 9.08 am

B 9.10 am

C 9.12 am

D 9.13 am

Answer: C

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71. An express train departs from station X at 5.00 am with maximum allocated speed 120 kmph. The train is scheduled to arrive station Z and return to station Y to halt at night. At what time the train will reach station Y, if the total waiting time between the stations of boarding is 45 minutes?

- A 2.45 pm
- B 3.50 pm
- C 4.15 pm
- D 5.20 pm

Answer: B

72. Eight persons A,B,C,D,E,F,G and H are sitting in a straight line facing North but not necessarily in the same order. F sits fifth to the right of A. D sits fifth to the right of E. E sits to the immediate right of A. H sits towards the left of D. B sits third to the right of G. G is an immediate neighbour of A. Which of the following is definitely true?

- A C is second to the left of D
- B A is second to the right of H
- C C is to the immediate right of B
- D E is to the immediate left of C

Answer: A

73. Let $x \& x = 5x - 7$ and $*y * z = \frac{3y}{z}$. If $P = *7 * 15*$, then $\&P\& =$

- A 0
- B 2
- C 15
- D 28

Answer: A

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74. If $a * b = (a + b) + (a - b)^2$ and $a \triangle b = (a + b)^2 - (a - b)$ then $(3 \triangle 5) : (3 * 5) =$

- A $11 : \sqrt{2}$
- B $11 : \sqrt{3}$
- C $11 : 2$
- D $11 : 3$

Answer: C

75. For real numbers x, y , define two binary operations \odot and \ominus by

$$x \odot y = x^2 + y^2 + 3xy - 5$$

$$x \ominus y = 3x + 4y + 5xy + 6 \text{ then}$$

$$(1 \odot 2) \ominus (2 \odot 3) =$$

- A 2238
- B 894
- C 908
- D 364

Answer: C

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Mathematical Ability

76. The value of $\frac{(37 \times 37 \times 37) + (8 \times 8 \times 8)}{37 \times 37 - 296 + 64}$

- A 29
- B 45
- C $\frac{13}{17}$
- D $\frac{11}{19}$

Answer: B

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77. $[3 \times 2^x + 2^{x+2} + 2^{x+3}]$ is always divisible by

- A 7
- B 18
- C 15
- D 16

Answer: C

78. If $x : y = 3 : 4$, then $(2x + 3y) : (3y - 2x) =$

- A 4 : 1
- B 3 : 1
- C 3 : 2
- D 2 : 1

Answer: B

79. Three persons A, B and C invested their annual savings in a bank at 20% rate of simple interest per annum. If each of them gets an equal amount after 10, 15 and 20 years, respectively. Then the ratio of their initial investments is

- A 20 : 15 : 12

- B** 16 : 12 : 7
C 25 : 23 : 19
D 12 : 15 : 19

Answer: A

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80. If $x = \sqrt[4]{21}$, $y = \sqrt[5]{23}$, then which of the following is correct?

- A** $y = x + 1$
B $x = y + 1$
C $x > y$
D $y > x$

Answer: C

81. The positive square root of $14 + 6\sqrt{15}$ is

- A** $3 + \sqrt{5}$
B $3 - \sqrt{5}$
C $3 + 2\sqrt{5}$
D $3 - 2\sqrt{5}$

Answer: E

82. The remainder when 3^{45} is divided by 6 is

- A** 4
B 3
C 5
D 2

Answer: B

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83. The number of positive divisors of $n = 311^2 \times 373^3 \times 307^4$ is

- A** 60
B 58
C 65
D 68

Answer: A

84. The GCD of 3240, 3600 and x is 36 and the LCM of these three number is

$$2^4 \times 3^5 \times 5^2 \times 7^2 \text{ then } \sqrt{6x} =$$

A 526

B 625

C 726

D 756

Answer: D

85. Three bicycles are fitted with wheels that can make 6, 5 and 10 revolutions per minute respectively. One spoke on each wheel is painted blue. All three bicycles start moving at the same time, and the spoke of the wheels painted blue is in the same position for all 3 bicycles. After how much time, will all the three wheels be aligned in the same manner as they were at the starting? (in seconds)

A 60

B 30

C 12

D 120

Answer: A

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86. The number of rational numbers in the expansion of $\left(\sqrt[3]{25} + \sqrt[4]{10}\right)^{20}$ is

A 2

B 3

C 4

D 6

Answer: A

87. The rational number that represents the recurring decimal number $0.\overline{234}$ is

A $\frac{232}{9990}$

B $\frac{232}{990}$

C $\frac{232}{900}$

D $\frac{232}{99}$

Answer: B

88. Six persons A, B, C, D, E and F are of different heights. No two among them, are of same height. It is also known that

- i) A is taller than B but shorter than C
- ii) D is taller than E who is in turn is taller than F
- iii) F is taller than A

Who is the shortest?

- A F
- B B
- C C
- D D

Answer: B

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89. If the following fractions are arranged in descending order (of their magnitudes), the middle one is

$$\frac{2}{3}, \frac{5}{7}, \frac{9}{13}, \frac{9}{14}, \frac{7}{9}$$

- A $\frac{7}{9}$
- B $\frac{5}{7}$
- C $\frac{9}{13}$
- D $\frac{2}{3}$

Answer: C

90. In a school 75% are girl, and the boys are 625 in number. The total student strength in the school is

- A 3500
- B 3000
- C 2750
- D 2500

Answer: D

91. In a ready made cloth stores a customer has got 10% discount on his dress, but has paid 2.5 % . CGST and 2.5% SGST on the discounted rate. Had he got Rs.200 as discount and then paid the said taxes, he would have paid Rs.42 more. The price (in Rupees of the dress before the discount is

- A 2400
- B 2800
- C 3200
- D 3600

Answer: A

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92. A dealer sell items at a 20% profit. If the cost of items doubles and the profit percent becomes half its present value, then the actual profit now is what percent of the previous profit?

- A 25
- B 50
- C 100
- D 200

Answer: C

93. An item is sold at a profit of 30% to its cost price. Had the profit been 30% of the present selling price, the vendor would have gained Rs. 540 more. What is the present selling price? (In rupees)

- A 5400
- B 6000
- C 7800
- D 9100

Answer: C

94. A and B started a business with B's investment 2.5 times that of A. Ratio of time period of the investment of A and B was 3 : 1 and the total investment made by both of them was Rs.28000. If the annual profit earned was Rs.2500 less than A's investments, the difference between their annual profit is (in rupees)

- A 400
- B 500
- C 650
- D 800

Answer: B

SSC CGL Previous Papers (DOWNLOAD PDF)

95. Three persons A, B, C start a business with capitals Rs.8 lakhs Rs.10 lakhs and Rs.12 lakhs. After 6 months C has taken back Rs.4 lakhs from the capital and after another 2 month B withdraws an amount of Rs.2 lakhs from the capital. Then A's share in a profit of R.574000, at the end of the year, in Rupees

- A 287000
- B 240000
- C 168000
- D 144000

Answer: C

96. An overhead tank is connected by 3 pumps A, B and C. The pumps A and B can fill the tank in 4 hours and 5 hours respectively, where a C can empty the Tank in 2 hours. If A, B and C are opened in order at 5.00 am; 6.00 am and 7.00 am when will the tank be empty?

- A 6 pm
- B 7 pm
- C 8 pm
- D 9 pm

Answer: D

97. Two pipes A and B can fill a cistern in 12 minutes and 18 minutes respectively. Both are kept open for 2 minutes and A is closed. In how many minute will the tank be full?

- A 20
- B 16
- C 15
- D 12

Answer: C

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98. A train travelling at 90 kmph takes 20 seconds to cross a platform of length 150m. The length of the train in meters is

- A 275
- B 300
- C 325
- D 350

Answer: D

99. A car covers a given distance moving at a speed of 35 kmph. However, if it were to halt for a fixed number of minutes every hour, its average speed would work out to 28 kmph. For how many minutes does the car stop per hour?

- A 12 minutes
- B 7 minutes
- C 14 minutes
- D Indeterminate

Answer: A

100. Three Engineers or four Technicians can complete a project in 43 days. How many days will it take for seven Engineers and five Technicians to complete the same project?

- A 10

B 12

C 13

D 15

Answer: B

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101. A and B can complete a piece of work independently in 12 and 16 days respectively. Both of them start the work and after 4 day B leaves. In how many days, will A complete the work.

A 9

B 7

C 5

D 4

Answer: C

102. A cuboid has dimensions l , b and h . If all its dimensions are increased by 10%, then the percentage increase in total surface area is

A 20%

B 15%

C 21%

D 10%

Answer: C

103. A rectangular field has its length and breadth in the ratio 5 : 4. A man riding on a bicycle complete one lap of the field along its perimeter at a speed of 10.8 kmph in 4 minute and 36 seconds. The area of that field (in sq. meters) is

A 40640

B 41820

C 42670

D 42320

Answer: D

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104. What is the radius of a spherical ball which is formed by melting a metallic cylinder of base diameter 8 inches and height 160 inches if conversion wastage result in 10% of weight loss? (in inches)

A 9

B 12

C 15

D 8

Answer: B

105. A pyramid 6 mts high has a square base. Length of diagonal of the base is $\sqrt{98}$ mts. Its volume is (in cu mts).

A 109

B 100

C 84

D 98

Answer: D

106. A rectangular park is of dimensions $80\text{m} \times 60\text{m}$. The two walking paths 10m wide are to be constructed in the middle of the park parallel to its length and breadth. If the cost of construction of the path is Rs.300 per sq.m. Then the total cost (in lakhs) is

A 4.5

B 4.1

C 4.0

D 3.9

Answer: D

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107. A vessel is in the form of a cylinder surmounted by a hemisphere. If the diameter of sphere is same as diameter 14 cm of the cylinder and if height of the cylinder 17 cm, then the volume of the vessel (in cm^3) is

A $1709\frac{\pi}{3}$

B $1710\frac{\pi}{3}$

C $1715\frac{\pi}{3}$

D $1718\frac{\pi}{3}$

Answer: C

108. From a rectangular sheet of paper of dimension $30\text{cm} \times 20\text{cm}$, squares of equal side 3 cm is cut out from each corner, and the remaining parts are folded on 4 side to form open rectangular box. Then the volume of the box (in cm^3) is

A 1008

B 1377

C 1134

D 564

Answer: A

109. If $3^{58} \equiv r \pmod{5}$ and $0 \leq r \leq 4$, then $r =$

- A 0
- B 1
- C 3
- D 4

Answer: D

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110. The solution set for the inequation $|x - 1| + |x + 2| < 2$ is

- A $(-\infty, -2) \cup (1, \infty)$
- B $[2, 1)$
- C $[-1, 2)$
- D An empty set

Answer: D

111. What is the contrapositive of the following statement?

'If two triangles are congruent, then they are similar'

- A If two triangles are not congruent then they are not similar.
- B If two triangles are not similar then they are not congruent.
- C If two triangles are similar then they are congruent.
- D If two triangles are not similar then they are congruent.

Answer: B

112. When is the statement $(\sim p) \wedge q$ is true?

- A p is false, q is true
- B p is false, q is false
- C p is true, q is false
- D p is true, q is true

Answer: A

SSC CHSL Previous Question papers (download pdf)

113. In a group of athletes in a school, 21 are on basketball team, 26 are on hockey team and 29 are on football team. If 14 play hockey and basketball, 12 play football and basketball, 15 play hockey and football and 8 play all the three how many play only football?

- A 10
- B 9
- C 8
- D 6

Answer: A

114. If the function given by $f(x) = x + 2$ with domain $\{x : 2 \leq x \leq 5\}$, then the intervals of domain and range of f^{-1} are respectively

- A $(4, 7), (2, 5)$
- B $\{4, 7\}, \{2, 5\}$
- C $[4, 7], [2, 5]$
- D $(4, 7], (2, 5]$

Answer: B

115. If $A = \{1, 2, 3\}$ and R is the relation given by $R = \{(1, 1), (2, 2), (3, 3), (1, 2), (2, 1)\}$, then

- A R is only reflexive
- B R is an equivalence relation
- C R is only symmetric
- D R is not transitive

Answer: B

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116. If $A = (2, 3)$ and $B = (4, 5)$ then slope of line AB is

- A $\frac{1}{2}$
- B 1
- C -1
- D 2

Answer: B

117. Equation of line which is parallel to $2x + 3y = 4$ is

- A $2x + 3y + c = 0$
- B $3x + 2y + c = 0$
- C $3x + 2y = -4$

D $\frac{x}{2} + \frac{y}{3} = \frac{1}{4}$

Answer: A

118. If $13 \sin \theta = 12$ and θ is acute then $\frac{\operatorname{cosec} \theta + \cot \theta}{\tan \theta + \sec \theta} =$

A $\frac{3}{8}$

B $\frac{3}{10}$

C $\frac{10}{3}$

D $\frac{8}{3}$

Answer: B

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119. $\sqrt{\frac{1+\cos \theta}{1-\cos \theta}} =$ _____

A $\operatorname{cosec} \theta - \cot \theta$

B $\operatorname{cosec} \theta + \cot \theta$

C $\operatorname{cosec} \theta$

D $\cot \theta$

Answer: B

120. $\sin A + \sin B =$

A $2 \sin \left(\frac{A-B}{2} \right) \cos \left(\frac{A+B}{2} \right)$

B $2 \sin \left(\frac{A+B}{2} \right) \cos \left(\frac{A-B}{2} \right)$

C $2 \sin \left(\frac{A+B}{2} \right) \sin \left(\frac{A+B}{2} \right)$

D $2 \cos \left(\frac{A+B}{2} \right) \cos \left(\frac{A-B}{2} \right)$

Answer: B

121. Two boys A and B are opposite side of a tower of height 150mts. They measure the angle of elevation of top of the tower as 30° and 60° . Then the distance between the boys (in mts)

A $\frac{600}{\sqrt{3}}$

B $\frac{550}{\sqrt{3}}$

C $\frac{650}{\sqrt{3}}$

D $\frac{450}{\sqrt{3}}$

Answer: A

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122. If $(x) = x^2 + 6x + K_1$ and $g(x) = x^2 + 5x + K_2$ have common factor $x - a =$ then $a =$

- A $K_2 - K_1$
- B $K_1 + K_2$
- C $\frac{K_1 + K_2}{2}$
- D $2(K_1 + K_2)$

Answer: A

123. The number of solutions of the equation

$$\sqrt{x^2 - x + 1} + \sqrt{\frac{1}{x^2 - x + 1}} = 2 - x^2$$

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

Answer: A

124. The remainder when 21^{875} is divided by 17 is

- A 14
- B 16
- C 13
- D 15

Answer: C

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125. If $x^2 + 6x - k = 0$ has distinct real roots, then k lies in the interval

- A $(-\infty, 9)$
- B $(-\infty, 9]$
- C $[10, \infty)$
- D $(10, \infty)$

Answer: E

126. If $\frac{xy}{x+y} = \frac{35}{12}$ and $\frac{xy}{y-x} = \frac{35}{2}$, then $(x, y) =$

- A (-5, -7)
- B (-7, -5)
- C (5, 7)
- D (7, 5)

Answer: C

127. The sum of a two digit number n and the number formed by reversing its digits is 99. When 5 is added to n then it becomes 5 less than 6 times the sum of digits of n . Then the number n is

- A 63
- B 54
- C 45
- D 36

Answer: E

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128. A machine cost Rs.875000. If the value of the machine depreciates 15% of its cost in the first year, $13\frac{1}{2}\%$ of its cost in the second year, 12% of its cost in the third year and so on, then its value at the end of 10 years is (in rupees)

- A 224650
- B 182420
- C 153125
- D 135225

Answer: C

129. If AM and GM of the two numbers are 34 and 16 respectively, the numbers are

- A 1.67
- B 2.66
- C 3.65
- D 4.64

Answer: D

130. If the 21^{st} and 22^{nd} terms in the expansion of $(1+x)^{44}$ are equal, then $x =$

- A $\frac{7}{8}$
- B 7
- C 8

D 1

Answer: A

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131. If $(1 + x + x^2)^n = \sum_{r=0}^{2n} a_r x^r$, then $a_0 + a_2 + a_4 + \dots =$

A $3^n + 1$

B $3^n - 1$

C $\frac{3^{n+1}}{2}$

D $\frac{3^n - 1}{2}$

Answer: C

132. If $\begin{vmatrix} x & 5x \\ 1 & x \end{vmatrix} = -6$, then the value of x are

A 3, 2

B -3, -2

C 3, -2

D -3, 2

Answer: A

133. If ω is cube root of unity, then $\begin{vmatrix} 1 + \omega & \omega^2 & -\omega \\ 1 + \omega^2 & \omega & -\omega^2 \\ \omega^2 + \omega & \omega & -\omega^2 \end{vmatrix} =$

A -3ω

B 3ω

C $3\omega^2$

D $-3\omega^2$

Answer: D

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134. $\lim_{x \rightarrow 0} \frac{x}{\sqrt{1+x} - \sqrt{1-x}} =$

A 0

B $\frac{1}{2}$

C 1

D 2

Answer: C

135. $\lim_{x \rightarrow 0} \frac{\tan 2x - x}{3x - \sin x} =$

A 0

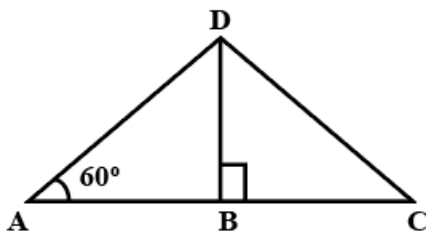
B 1

C $\frac{1}{2}$

D $\frac{1}{3}$

Answer: C

136. In the figure $\angle A = 60^\circ$, $DB \perp AC$ and the area of $\triangle ADC = \frac{3\sqrt{3}}{2}$. Then BC



A $\sqrt{2}$

B $\sqrt{3}$

C 2

D 6

Answer: C

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137. In a parallelogram ABCD, the length of the adjacent sides AB and BC are 14 cm and 12 cm. If the diagonal AC = 22 cm, then its area (in sq.cm.) is

A $24\sqrt{10}$

B $32\sqrt{10}$

C $48\sqrt{5}$

D $48\sqrt{10}$

Answer: D

138. One of the angle of a triangle $\frac{2}{5}$ of the sum of the adjacent angle of a parallelogram. The remaining angles of the triangle are in the ratio of 5 : 7. The value of the second largest angle of the triangle is

A 45°

B 63°

C 67°

D 85°

Answer: B

139. If (3, -6), (5, 7) and (13, 4) are the mid point of the sides BC, CA and AB of triangle ABC and if the centroid of the triangle is (a, b), then $a + b =$

A $\frac{39}{3}$

B $\frac{26}{3}$

C $\frac{20}{3}$

D $\frac{8}{3}$

Answer: B

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140. If (17, 16), (14, 16) and (17, 20) are the vertices of a triangle, then the, its circum centre is

A $\left(\frac{31}{2}, 16\right)$

B (17, 18)

C $\left(\frac{31}{2}, 18\right)$

D (17, 16)

Answer: C

141. If the arithmetic mean of the first 'n' natural numbers is 8, then n =

A 9

B 15

C 13

D 11

Answer: B

142. The average of cubes of first ten natural numbers is

A 301

B 302.5

C 300

D 300.5

Answer: B

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143. If the median of the following distribution is 9.89, then the mode of the distribution is

| Class Interval | 0-10 | 10-20 | 20-30 | 30-40 | 40-50 |
|----------------|------|-------|-------|-------|-------|
| Frequency | 45 | 20 | 14 | 7 | 3 |

A 1.47

B 1.68

C 1.84

D 1.92

Answer: A

144. The variance of the weights of the ten person whose weights (in kgs) are 45, 49, 55, 50, 41, 44, 60, 58, 53, 55 is

A 34.3

B 35.6

C 36.4

D 36.7

Answer: B

145. A data consists of 100 observations x_1, x_2, \dots, x_{100} . If $\sum_{i=1}^{100} (3x_i + 17)^2 = 22500$ and $\sum_{i=1}^{100} (3x_i + 17) = 900$, then the standard deviation of x, x_2, \dots, x_{100} is

A 10

B 8

C 4

D 5

Answer: C

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146. Which of the following two variables likely to have maximum positive correlation coefficient ?

A $\begin{cases} x = \text{the annual salary} \\ y = \text{the annual savings} \end{cases}$

B $\begin{cases} x = \text{Air fares} \\ y = \text{Air passengers} \end{cases}$

C $\begin{cases} x = \text{The cost of health care} \\ y = \text{the number patients} \end{cases}$

D $\begin{cases} x = \text{Cost of railway platform tickets} \\ y = \text{Passengers on the railway platform} \end{cases}$

Answer: A

147. Three unbiased coins are tossed. The probability of getting exactly one Head is

A $\frac{1}{8}$

B $\frac{1}{3}$

C $\frac{1}{2}$

D $\frac{3}{8}$

Answer: D

148. If a fair die is thrown 3 times, the probability that the sum of the number turned up 14 is

A $\frac{5}{216}$

B $\frac{5}{108}$

C $\frac{5}{162}$

D $\frac{5}{72}$

Answer: D

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149. If A, B and C are any three events in a sample space S then $P(A \cup B \cup C) =$

A $P(A) + P(B) - P(A \cap B) + P(A \cap B \cap C)$

B $P(A) + P(B) + P(C) - P(A \cap B) - P(B \cap C) - P(A \cap C) + P(A \cap B \cap C)$

C $P(A) + P(B) + P(C) + P(A \cap B \cup C)$

D $P(A) + P(B) + P(C) - P(A \cap B) - P(B \cap C) - P(A \cap C)$

Answer: B

150. If A and B are two mutually exclusive event of a sample space S such that $A \cup B = S$ and $P(B) = 2P(A)$ then $P(A) =$

A $\frac{2}{3}$

B $\frac{1}{3}$

C $\frac{1}{2}$

D $\frac{1}{6}$

Answer: B

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Communication Ability

Instructions [151 - 185]

Choose the correct word/Correct Meaning of the Word/Fill in the Blanks with correct word /Phrase / Verb / Preposition

151. **Opportune**

A Musical

B Timely

C Fortune

D Ability

Answer: B

SSC CGL Free Mock Test

152. **Laconic**

A Verbose

B Loquacious

C Talkative

D Concise

Answer: D

153. **Impeccable**

A Faulty

B Irritating

C Improved

D Faultless

Answer: D

154. **Nonpareil**

- A** Unrivalled
- B** Mediocre
- C** Ordinary
- D** Amateurish

Answer: A

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155. **Ebullient**

- A** Enthusiastic
- B** Dull
- C** Melancholic
- D** Indolent

Answer: A

156. **Inveigh**

- A** Weigh
- B** Carry
- C** Denounce
- D** Break

Answer: C

157. **The. _____** chosen for construction of the office is in the heart of the city

- A** Site
- B** Sight
- C** Cite
- D** Slight

Answer: A

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158. **A student who absents himself without permission is a _____**

- A** Sceptic
- B** Tyrant
- C** Indiscipline

D Truant

Answer: D

159. The _____ crowds greeted the winning team outside the stadium.

A Hesitant

B Despairing

C Jubilant

D Desperate

Answer: C

160. The _____ rule of good writing is clarity.

A Brazen

B Cardinal

C Permeable

D Perfunctory

Answer: B

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161. The following authority that decides policy bank interest rates on periodical basis is _____.

A RBI

B Monetary Policy Committee

C Finance Ministry

D Chief Economic Advisor

Answer: B

162. More money circulation with less quantum of goods produced is one of the reasons for _____.

A Inflation

B Contraction

C Stagnation

D Depression

Answer: A

163. An illegally altered file that is made in order to steal a software program is known as _____.

A Cookie

B Copy

C Crack

D Crash

Answer: C

SSC CGL Previous Papers (DOWNLOAD PDF)

164. The time taken to initiate a transfer is called _____.

A Seek time

B Disk latency

C Rotational delay

D Data transfer cable

Answer: B

165. USP is expanded as _____

A Universal Selling Proposal

B Unique Selling Proposal

C Unique Selling Proposition

D Universal Selling Proposition

Answer: C

166. The promoter of the idea of management by objectives is _____.

A Henri Fayol

B Rensis Likert

C Elton Mayo

D Peter Drucker

Answer: D

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167. Establishment of Goals, policies and procedures for an economic unit is known as _____.

A Execution

B Implementation

C Reviewing

D Planning

Answer: D

168. A business's short-term assets minus accounts receivable and inventory, divided by short-term liabilities is known as _____.

- A** Acid test
- B** Acquisition costs
- C** Adventure capital
- D** Accumulated depreciation

Answer: A

169. **Value added services means _____.**

- A** Paying more for product
- B** Getting a good discount
- C** Getting more services at little or no cost
- D** Paying less for services than the declared cost

Answer: C

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170. **A: Why did Ranjit leave suddenly for Dubai?**

B: Well, I smell a rat!

In this conversation B is

- A** Evasive in replying
- B** Suspicious of Ranjit's motive for travel
- C** Alarmed by sudden appearance of a rat
- D** Expressing his disapproval. of A's question

Answer: B

171. **The files were destroyed. (Change the voice)**

- A** Someone destroyed the files.
- B** The files got destroyed.
- C** His a mystery that files were destroyed.
- D** The files destroyed someone.

Answer: A

172. **A: Why don't we have a short walk.**

B: Sorry, I am totally done up.

In this conversation 'B' implies

- A** He had a walk already.
- B** He had dressed up for work

- C** He exhausted.
D He is sick.

Answer: C

AP SI Free Solved Previous Papers PDF

173. Money distributed to the owners of a business as profits known as _____.

- A** Equity
B Interest
C Shares
D Dividend

Answer: D

174. Why do you always have to pick holes in whatever I say.
The underlined idiom means

- A** Praise
B Ignore
C Find fault with
D Understand

Answer: C

175. **A:** "I'm a pprehensive of the future"

B: "You seem to have everything one could possibly want. So why are you so apprehensive?"
'B' implies that 'A' is

- A** Optimistic
B Pessimistic
C Narcissistic
D Opportunistic

Answer: B

Free Banking Study Material (15,000 Solved Questions)

176. Unexpectedly, the officer who is the winner of many awards proved to be a man of straw.

The underlined expression means

- A** Stubborn
B Easily overcome
C Self-loving

D Disgusting

Answer: B

177. **A:** It is strange . I thought the audience were educated, but they could not follow what I said. I was thoroughly disappointed.

B: Don't cast your pearls before the swine.

'B' is

A Measuring: the value

B Wasting time

C Appreciating the value

D Getting unnecessarily involved

Answer: B

178. _____ of people with rich experience of life will provide you much motivation and guidance.

A Take the help

B Takes the help

C Taking the help

D Take help

Answer: C

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179. My friend is angry _____ me.

A Over

B ON

C Upon

D With

Answer: D

180. Everyone hates being made to _____

A Look up

B Look small

C Look over

D Look through

Answer: B

181. Lawyers are often _____ as greedy and dishonest

- A** Adored
- B** Maligned
- C** Jibed
- D** Gambolled

Answer: B

SSC CHSL Previous Question papers (download pdf)

182. The government _____ private land to build low-cost housing

- A** Appropriated
- B** Ordained
- C** Apprised
- D** Alleviated

Answer: A

183. He _____ me from getting my rightful inheritance.

- A** Prevented
- B** Helped
- C** Encouraged
- D** Tried

Answer: A

184. Rohan _____ from the competition as he felt he needed more preparation.

- A** Backed up
- B** Backed out
- C** Pulled up
- D** Jumped out

Answer: B

SSC CHSL Free Mock Test

185. A mere 43% of Indian _____ mobile phones as opposed to almost 80% of men

- A** Woman are owning
- B** Women owning
- C** Womens own

D Woman own

Answer: D

Instructions [186 - 190]

Read the following passage and answer questions

The difference between a physician and a quack is this - a physician knows and admits that his powers are limited. He can aid nature. He can help her remove obstruction and clear away abnormal growth; but he cannot recreate a broken constitution, or make a perforated a lung do the work of a sound one. But a quack with his pills, and his plasters, and his potions, will undertake to cure all the ills that flesh is heir to. In like manner the genuine reformer knows that the living law is the thought of the people, and that all Parliament can do is to fit thought to the life of the nation. It is not so much speed in legislation that is wanted, as still. It is not quantity, but quality, that is required. The highest interests of the State would often be better served by the wise and liberal administration of old laws than by high pressure production of new and imperfect one. Obstruction or no obstruction, necessary legislation will come in due time if people want it. Free speech is more precious than all the measures in the ministerial portfolio. Error of opinion may be tolerated as long as there is the right to combat it. Discussion is a bulwark against oppression, and the sheet-anchor of liberty.

186. **Unlike a quack a physician**

- A** Does not help nature.
- B** Claims that his ability is limited.
- C** Denies that he cannot cure every disease and any disease.
- D** Hesitates to recreate a broken constitution.

Answer: B

187. **Perception of people is**

- A** In no way related to law
- B** Detrimental to law
- C** Always contrary to law
- D** Directly affiliated to law

Answer: D

SSC CGL Free Mock Test

188. **Legislation thrives on**

- A** Speed and not skill
- B** Skill and not speed
- C** Partisan attitude
- D** Undigested information

Answer: B

189. **Old laws well observed are**

- A** As imperfect as new laws
- B** Better than new laws

- C Free from the liberty of the new laws
- D Ugly compared to the new ones

Answer: B

190. By 'bulwark' and 'sheet-anchor' the author means

- A Measures that hinder progress
- B Impediment and antagonism
- C Fortification and support
- D Conditional support

Answer: C

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Instructions [191 - 195]

Read the following passage and answer questions

Each of us has locked within us all that is necessary to achieve wealth and greatness. It's merely a matter of learning to use these hidden assets, of investing them so to speak, so we can cash in on them. The tragic thing is that so many go through life without ever putting them to use. Sometimes, trouble and adversity is necessary to make people use their resourcefulness and brain power to achieve success. A book keeper lost his job as Christmas was approaching. He had no money to buy his 10 year old son a gift. Instead of merely despairing, he went to work making the boy a gift. Using two wheels from a discarded baby carriage a few pieces of lumbar from the basement, and some bright red paint he constructed a toy that captured the attention of the entire neighbourhood. Other children wanted similar toys. The demand grew so fast that the unemployed book keeper turned his basement into a factory, then moved his production to a real industrial plant. The toy the book keeper designed was called the 'Scooter'. Have you searched carefully for any 'hidden' resources you've overlooked simply because they weren't in some form you could bank immediately? Have you some plan or idea which might prove of great value if you brought it into the open and put it to use? Somewhere you have unused assets. Put them to work for you and make yourself financially independent.

191. What are 'hidden assets'?

- A Hidden money
- B Accumulated wealth
- C Secret qualities
- D Potential for achieving greatness

Answer: D

192. What general forces a person to exploit these 'assets'?

- A Adversity
- B Resourcefulness
- C Brain power
- D Money

Answer: A

193. How did the book keeper manage to give his son a gift?

- A** He used two wheels
- B** He bought a carriage
- C** He bought red paint
- D** He created a 'scooter' from junk

Answer: D

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194. How did the book keeper become rich?

- A** He opened a shop in his basement
- B** He started a shop in the neighbourhood
- C** He opened a real industrial plant
- D** He started a factory

Answer: C

195. How can one become financially independent.

- A** By using one's unused' assets
- B** By becoming rich
- C** By taking up a job
- D** By setting up factories

Answer: A

Instructions [196 - 200]

Read the following passage and answer questions

Leading investors have joined the growing chorus about governments and companies rushing into producing biofuels as a solution for global warming saying that many involved in the sector could be jeopardising future profits if they do not consider the long-term impact of what they are doing carefully.

It is essential to build sustainability criteria into the supply chain of the green fuel project in order to ensure that there is no adverse effect on the surrounding environment and social structures. The report produced by the investors expresses concern that many companies may not be fully aware of the potential pitfalls in the biofuel sector.

Production of corn and soya beans has increased dramatically in the last years as an eco-friendly alternative to fossil fuels but environmental and human rights campaigners are worried that this will lead to destruction of rain forests. Food prices could also go up as there is increased competition for crops as both food stuff and sources of fuel. Last week the UN warned that biofuels could have dangerous side effects and said that steps need to be taken to make sure that land converted to grow biofuels does not damage environment or cause civil unrest. There is already great concern about palm oil, which is used in many foods in addition to being an important biofuel, as rain forests are being cleared in some countries and people driven from their homes to create palm oil plantations.

An analyst and author of investors' report says that biofuels are not a cure for climate change but they can play their part as long as governments and companies manage the social and environmental impacts thoroughly. There should also be greater measure taken to increase efficiency and to reduce demand.

196. Who are not happy about rushing into producing biofuels?

- A** Governments

- B** Investors
- C** Companies
- D** General public

Answer: B

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197. Who are jeopardizing future profit ?

- A** Those who don't think of profits.
- B** Those who don't think of short-term impact
- C** Those who don't think of long-term impact
- D** Those who think of long-term impact

Answer: C

198. "Potential pitfalls" means

- A** Possible unsuspected dangers in future
- B** Dangers that are sure to come in future
- C** Dangers that have already been faced
- D** Dangers that would never come

Answer: A

199. Increase in production of corn and soya bean will not lead to

- A** Destruction of fossil fuels
- B** Destruction of rainforests
- C** Increased competition for crops as food as well as fuel
- D** Increase in food prices

Answer: A

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200. Sustainability of supply chain in green fuel project is necessary for

- A** Safeguarding profits
- B** Reducing risks
- C** Protecting environment and society
- D** Increasing production

Answer: C

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