Q1. Which of the following is a prime number?
(a) 177
(b) 169
(c) 173
(d) 187

Q2. If # means adding twice the second number to the first number then (4 # 2) # 3 equals.
(a) 9
(b) 14
(c) 24
(d) none of these

Q3. A number when divided by 195 leaves a remainder 48. If the same number is divided by 15, the remainder will be?
(a) 3
(b) 4
(c) 1
(d) Can't be determined

Q4. In limestone, 40% is calcium and the rest is carbon and oxygen. If in 20 kg of limestone, there is 9.4 kg of oxygen, then what is the percentage of carbon in it ?
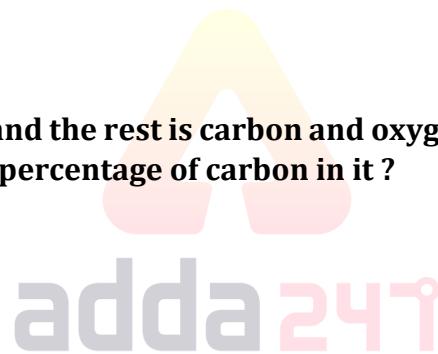(a) 17%
(b) 13%
(c) 25%
(d) 9%

Q5. A dealer professes to sell his goods at cost price but he uses a false weight of 950 grams for a kilogram. The gain percent of the dealer is.
(a) $3\frac{3}{19}$
(b) $4\frac{1}{7}$
(c) $5\frac{5}{19}$
(d) $4\frac{3}{21}$

Q6. The dimensions of a rectangular room when increased by 4 metres, are in the ratio of 4 : 3 and when decreased by 4 metres, are in the ratio of 2 : 1. Find the dimensions of the room.
(a) 6, 10
(b) 36, 32
(c) 24, 18
(d) 12, 8

Q7. Visitors to a drama were charged Rs 150 each on the first day, Rs 75 on the second day and Rs 25 on the third day. The attendance on the three days was in the ratio 2 : 5 : 9. The average charge per person for the whole drama was.
(a) 64.14
(b) 56.25
(c) 49.91
(d) 72.68

Q8. A garrison of 2000 men has provision of ration for 66 days. At the end of a fortnight, reinforcement arrives and it is found that ration will last only for 20 days more.
The strength of the reinforcement is.
(a) 4800
(b) 1600
(c) 3200
(d) 2800

Directions (9-11): These questions are based on following information.

P and Q are 120 km apart, A starts from P towards Q at 6 am. B starts from Q towards P at 11 am on the same day. A is 50% faster than B. They cross each other at 8 pm.

Q9. At what time will A reach his destination?
(a) Midnight
(b) 11 pm
(c) 4 pm
(d) 2 am

Q10. In reaching his destination, how many more hours than A, will B take?
(a) 10 hr
(b) 25 hr
(c) 20 hr
(d) 8 hr

Q11. A's speed (in kmph) is ?
(a) 4
(b) 6
(c) 8
(d) 10

Q12. A sum of money at simple interest amounts to Rs 815 in 3 yrs and to Rs 854 in 4 yrs. The sum is
(a) Rs 698
(b) Rs 650
(c) Rs 742
(d) Rs 750

Q13. The difference between simple interest and compound interest on Rs P at R% p.a. in 2 yrs is.

(a) $\dfrac{PR}{100}$

(b) $\dfrac{2PR}{100}$

(c) $\dfrac{PR^2}{100^2}$

(d) $\dfrac{2PR^2}{100^2}$

Q14. If the length of the diagonal of a square is 20 cm, then its perimeter must be
(a) $40\sqrt{2}$ cm
(b) 200 cm
(c) $20\sqrt{2}$ cm
(d) 40 cm

Q15. A train crosses a platform 100 m long in 60 seconds at a speed of 45 km/hr. Find the length of the train.
(a) 540 m
(b) 650 m
(c) 300 m
(d) 350 m

Q16. 80% of a number is equal to the 4/5 th of the other number. What is the ratio between the first number and the second number respectively?
(a) 3 : 4
(b) 4 : 5
(c) 1 : 1
(d) 1 : 2

Q17. Divide the number 455 in the ratio 4 : 3. Find difference between parts.
(a) 123
(b) 55
(c) 143
(d) 65

Q18. Ram and Sheela are partners in a business. Ram invests Rs 35000 for 8 months and Sheela invests Rs 42000 for 10 months. Out of a profit of Rs 31570 Ram's share is.
(a) 14319
(b) 12628
(c) 16480
(d) 10304

Q19. 49 pumps can empty a reservoir in $6\frac{1}{2}$ days, working 8 hours a day. If 196 pumps are used for 5 hrs each day, then the same work will be completed in.

(a) $3\frac{2}{5}$ days

(b) $5\frac{2}{3}$ days

(c) $2\frac{3}{5}$ days

(d) $4\frac{1}{3}$ days

Q20. The diameter of the wheel of a vehicle is 70 cm. The wheel makes 10 revolutions in 5 seconds. The speed of the vehicle is ?

(a) 4.4 mps

(b) 4.9 mps

(c) 5.5 mps

(d) 5.8 mps

Q21. Kishan jogs 9 km at a speed of 6 km per hour. At what speed would he need to jog during the next 1.5 hours to have an average of 9 km per hour for the entire jogging session?

(a) 15 kmph

(b) 12 kmph

(c) 18 kmph

(d) 16 kmph

Q22. The speed of boat in still water is **10 km/hr.** If it can travel 26 km downstream and 14 km upstream in the same time, the speed of the stream is.
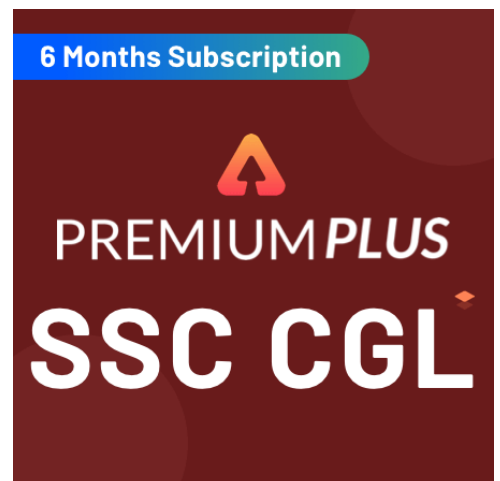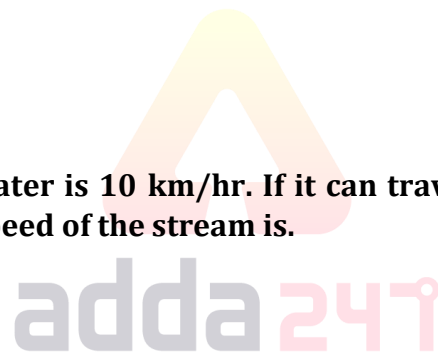
(a) 6 km/hr

(b) 4.5 km/hr

(c) 2 km/hr

(d) 3 km/hr

Q23. Amit covers 3/5 of the total journey by train, 7/20 by car and the remaining 13 km by cycle. His total journey is

(a) 260 km

(b) 240 km

(c) 300 km

(d) 280 km

Q24. If a commission of 10% is given on the written price of an article, the gain is 20%. If the commission is increased to 15%, the gain is

(a) $14\frac{1}{5}$%

(b) $12\frac{1}{2}$%

(c) $13\frac{1}{3}$%

(d) $15\frac{1}{5}$%

Q25. If 35% of a number is 280, then how many times of 280 is that number.
(a) 7/20
(b) 20/7
(c) 4/7
(d) 5/9

Q26. Find the square root of $(3 + \sqrt{5})$

(a) $\sqrt{\dfrac{3}{2}} + \sqrt{\dfrac{1}{3}}$

(b) $\sqrt{\dfrac{7}{2}} + \sqrt{\dfrac{3}{4}}$

(c) $\sqrt{\dfrac{5}{2}} + \sqrt{\dfrac{1}{2}}$

(d) $\sqrt{\dfrac{5}{3}} + \sqrt{\dfrac{3}{5}}$

Q27. If $2^x = \sqrt[8]{32}$, then x is equal to
(a) 3/5
(b) 5/3
(c) 3
(d) 5

Q28. If the sum of two numbers is 33 and their difference is 15, the smaller number is
(a) 9
(b) 24
(c) 12
(d) 6

Q29. The ratio of two numbers is 3 : 4 and their LCM is 120. The sum of numbers is
(a) 110
(b) 95
(c) 50
(d) 70

Q30. Find the value of $200 \div 25 \times 4 - 16 + 3 = ?$
(a) 32
(b) 19
(c) 16
(d) 9

Q31. Rearrange the jumbled up letters in their natural sequence and find the odd one out.
(a) AONMDY
(b) UETSAYD
(c) YDFIAR
(d) DLOHIAY

Q32. Identify the odd one from the list below.
(a) TIGER
(b) LION
(c) RABBIT
(d) LEOPARD

Q33. If A = 1, BA = 21 and FAI = 619, then what is the value of ICE ?
(a) 935
(b) 359
(c) 103
(d) 947

Q34. If BFSZ means AGRA, then the last letter the word got by decoding FSBG is
(a) F
(b) I
(c) H
(d) A

Q35. Select the pair in which the numbers are similarly related as in the given pair:
8 : 56 : : ----: ----
(a) 5 : 25
(b) 7 : 34
(c) 9 : 81
(d) 4 : 12

Q36. If @ means +, # means - , $ means x and * means ÷, then what is the value of
8 # 4 $ 3 * 6 @ 4 =
(a) 10
(b) -8
(c) 2
(d) 5

Q37. If in a certain code language, DESTRUCTION is written as 25679317804, how will the word NOTICE be written in that code language?
(a) 479701
(b) 407815
(c) 537924
(d) 480751

Q38. If '+' mean 'multiplication', '−' means 'division', 'x' means 'subtraction' and '÷' means 'addition', the 2 + 3 ÷ 2 × 15 − 3 is

(a) -8

(b) 11

(c) 24

(d) 3

Q39. Find the correct option which has a similar relationship.

Mobile : Charger : Sharpener : ?

(a) paper

(b) Pencil

(c) Pen

(d) Rubber

Q40. Identify the odd one from the list below:

(a) Shoes

(b) Trouser

(c) Cycle

(d) Gloves

Q41. Rearrange the jumbled up letters in their natural sequence and find the odd one out.
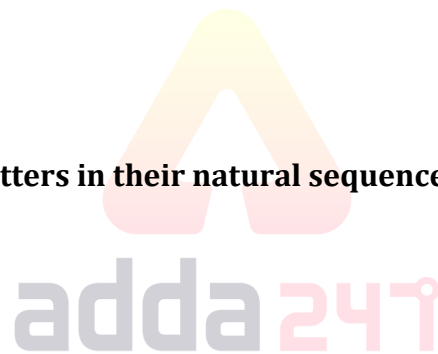
(a) EEENLV

(b) TEFEIFN

(c) TLVWEE

(d) NCPELI

Q42. Choose the pair which is related in the same way as the word in the first pair from the given choices

Occur : Happen : : Taxi : ?

(a) cab

(b) rental

(c) car

(d) uber

Q43. If A denotes + , B denotes '−', C denotes '÷', D denotes 'x' then the value of the expression 13 B 3 A 3 D 20 C 5 is

(a) 10

(b) -10

(c) 17

(d) 22

Q44. In a certain code, INTEL is written as RMGVO, then PRINT can be written as

(a) KISMH

(b) KIQMG

(c) KIRMG

(d) KIRMF

Q45. Find the missing value denoted by '?'

4 : 16 : : 49 : ?

(a) 147

(b) 2401

(c) 7

(d) 1744

Q46. Below are given statements followed by two conclusions I and II. You have to take the given statements to be true even if they seem to be at variance from commonly known facts.

Statements:

Some cars are trees

All trees are trucks

All trucks are tyres

Conclusions:

I. Some tyres are cars

II. All trees are tyres.

(a) Only Conclusion I follows

(b) Only Conclusion II follows

(c) Both I and II follow

(d) Neither I nor II follows

Q47. If '>' means 'minus, '<' means 'plus', * 'means 'multiplied by' and # means ''divided by', then what would be the value of

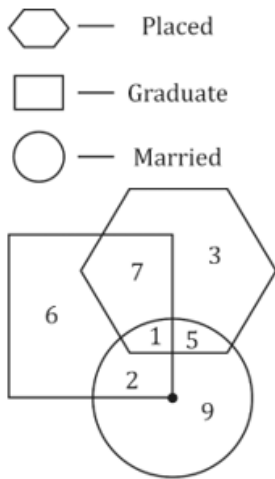**30 < 125 # 25 * 20 > 80 = ?**

(a) 50

(b) 85

(c) -132

(d) 225

Q48. Pointing to a man in a photograph. Ishita said, his brother's sister is my only sister. How many sister do this man has?

(a) 1

(b) 2

(c) 3

(d) 4

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Directions (49-51): Study the following figures and answer the questions given below.

Q49. By which number the unmarried placed graduates are represented?
(a) 1
(b) 7
(c) 1, 2
(d) 5

Q50. What is represented by the number '1'?
(a) Unmarried placed graduate
(b) Married unplaced graduate
(c) Placed married graduates
(d) Married placed undergraduates

Q51. By which number, the married placed person who are not graduates represented?
(a) 5
(b) 7
(c) 1
(d) 2

Directions (52-53): In each of the following questions, a statement is given followed by two conclusions numbered I and II

Q52. Statement:
This book 'Z' is the only book which focuses its attention to the problem of poverty in India between 1950 to 1980.
Conclusion:
I. There was no question of poverty before 1950.
II. No other book deals with poverty in India during 1950 to 1980.
(a) If only conclusion I follows;
(b) If only conclusion II follows;
(c) If neither I nor II follows; and
(d) If both I and II follow

Q53. Statement:
The percentage of national income shared by the top 10% of households in India is 35.
Conclusion:
I. when an economy grows fast, concentration of wealth in certain pockets of population takes place.
II. The National Income is unevenly distributed in India.
(a) If only conclusion I follows;
(b) If only conclusion II follows;
(c) If neither I nor II follows; and
(d) If both I and II follow

Directions (54-55): In each question below a statement is 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 then decide which of the assumptions is implicit in the statement. Give answer:-

Q54. Statement:-
An advertisement in a newspaper – "wanted unmarried, presentable matriculate girls between 18 and 21, able to speak fluently in English, to be hired as models".
Assumptions:-
I. Fluency in English is a prerequisite for good performance a model.
II. Height does not matter in performing as a model.
(a) if only assumption I is implicit.
(b) if only assumption II is implicit.
(c) if either assumption I or II is implicit.
(d) if neither assumption I nor II is implicit.

Q55. Statement:-
"We offer the best training in the field of computers" –an advertisement.
Assumptions:-
I. People are interested in getting training in computers.
II. People want the best training.
(a) if only assumption I is implicit.
(b) if only assumption II is implicit.
(c) if either assumption I or II is implicit.
(d) if both assumption I and II are implicit.

Directions (56-57): Study the following information carefully and answer the questions given below.

A is 1 m to the north of B, who is 2 m to the north of F. E is 5 m to the east of A and D is to the southeast of B and is in line with F at a distance of 5 m.

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Q56. E is in which direction with respect to D and what is the distance between them?
(a) 5 m, East
(b) 3m, North
(c) 2 m, South
(d) 2 m, West

Q57. A is in which direction with respect to D?
(a) East
(b) Northwest
(c) South
(d) West

Q58. Find out the next term in the following series
2, 3, 7, 16, 32, ?
(a) 57
(b) 64
(c) 48
(d) 43

Q59. Find out next letters in the following series.
AZ, WV, SR, ON, ?
(a) JI
(b) KJ
(c) ML
(d) JK

Q60. In the following question select the odd number pair from the given alternative
(a) 113, 96
(b) 84, 67
(c) 79, 63
(d) 167, 150

Q61. In which year modern Olympic Games take place?
(a) 1908
(b) 1910
(c) 1896
(d) 1895

Q62. The term 'Deuce' is common in which of the following games?
(a) Basketball and Badminton
(b) Badminton and Tennis
(c) Volleyball and Tennis
(d) None of these

Q63. The 22ⁿᵈ Commonwealth Game in 2022 will held in which country ?

(a) England

(b) India

(c) Australia

(d) Indonesia

Q64. What is the Capital city of Belarus?

(a) Kiev

(b) Minsk

(c) Warsaw

(d) Vilnius

Q65. Who is the Statistics & Programme Implementation minister of India?

(a) D.V. Sadananda Gowda

(b) Ashok Gajapathi Raju Pusapati

(c) Smt. Harsimrat Kaur Badal

(d) Narendra Singh Tomar

Q66. Kalidas Festival celebrated in which state of India?

(a) Andhra Pradesh.

(b) Maharashtra

(c) Jharkhand

(d) Karnataka

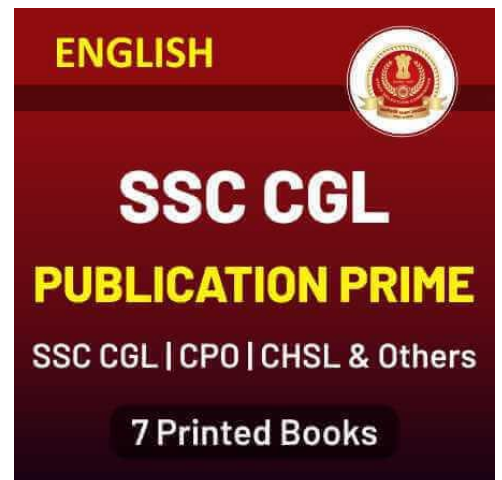**Q67. Which one of the following battles was fought between Babar and the Rajput in 1527?**

(a) The First Battle of Panipat

(b) The Battle of Khanwa

(c) The Battle of Ghagra

(d) None of these

Q68. Todar Mal was associated with

(a) Music

(b) Literature

(c) Finance

(d) Law

Q69. Which script was used in Ashoka's inscriptions?

(a) Brahmi

(b) Devanagiri

(c) Gurmukhi

(d) Sanskrit

Q70. Average blood pressure of a human is

(a) 60/120

(b) 100/200

(c) 20/80

(d) 120/80

Q71. Onion is a:

(a) Rhizome

(b) Bulb

(c) Tuber

(d) Corn

Q72. Digested foods are absorbed by:

(a) Stomach

(b) Small intestine

(c) Ileum

(d) Rectum

Q73. Which of the following non-member of Parliament has the right to address it?

(a) Attorney General of India

(b) Solicitor General of India

(c) Chief Justice of India

(d) Chief Election Commissioner

Q74. The mirror used in motor vehicles to see the rear view is

(a) Biconcave

(b) Convex

(c) Plane

(d) Concave

Q75. The center of a body where its whole mass is concentrated is called

(a) Centre of oscillation

(b) Centre of suspension

(c) Centre of body

(d) Centre of gravity

Q76. The President can dissolve the Lok Sabha-

(a) On the advice of Prime Minister

(b) On the advice of vice-President

(c) On the advice of Speaker of the Lok Sabha

(d) On the advice of Chief Justice of the Supreme Court

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Q77. Which of the following writs may be issued to enforce a Fundamental Right?
(a) Habeas Corpus
(b) Mandamus
(c) Prohibition
(d) All of the above

Q78. Anamalai Wildlife Sanctuary is one of the most beautiful wildlife sanctuary located in which state?
(a) Kerala
(b) Tamil Nadu
(c) Andhra Pradesh
(d) Telangana

Q79. Korba Super Thermal Power Plant located in which state?
(a) Uttarakhand
(b) Chhattisgarh
(c) Himachal Pradesh
(d) Arunachal Pradesh

Q80. The Ramon Magsaysay Award is an annual award is given on name which country president?
(a) Philippine
(b) Canada
(c) USA
(d) Germany

Q81. PH value of alkaline solution is
(a) < 7
(b) 7
(c) > 7
(d) None

Q82. In Neutralization reaction product is
(a) Acid
(b) Base
(c) Salt & Water
(d) None

Q83. The charge on positron is equal to the charge on–
(a) Proton
(b) Electron
(c) α –particle
(d) Neutron

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Q84. Elements of d-block are called–

(a) Transition element

(b) Transuranic elements

(c) Metals

(d) Metalloids

Q85. Which planet looks reddish in the night sky?

(a) Jupiter

(b) Saturn

(c) Mars

(d) Mercury

Q86. What does RLV-TD stand for in the context of ISRO?

(a) Reusable Satellite Long Vehicle-Technology Demonstrator

(b) Reusable Satellite Launch Vehicle Technology Demonstrator

(c) Relaunchable Satellite Long Vehicle Technology Demonstrator

(d) None of the above

Q87. An error in a Programme which causes wrong result is called a _____?

(a) Bug

(b) Byte

(c) Attributes

(d) Init Problem

Q88. The internet is a system of _____

(a) Software Bundles

(b) Web pages

(c) Website

(d) Interconnected network

Q89. Oxygen was independently discovered by

(a) Rutherford

(b) William Ramsay

(c) Joseph Priestley

(d) Neils Bohr

Q90. Michael Faraday is related with the discoveries of

(a) Electromagnetism

(b) Benzene, liquid gases and optical glass

(c) The induction of electric current

(d) All of the above

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Q91. Which of the following is a female sex harmone

(a) Estrogen

(b) Androgen

(c) Auxin

(d) Insulin

Q92. Plant which does not bear flower but have seed–

(a) Orchides

(b) Gymnoperm

(c) Angiosperm

(d) Crytogamus

Q93. Renewable source of energy is

(a) Coal

(b) Petroleum

(c) Light

(d) Uranium

Q94. Which among the following has the highest source of Ascorbic acid?

(a) Apple

(b) Bean

(c) Carrot

(d) Guava

Q95. "Darwaza band" campaign is related with

(a) Child birth in hospitals

(b) Shut down the Child marriage

(c) Use of toilets to reduce open defecation

(d) None of the above

Q96. How much amount will be sent to farmer under P.M kissan Nidhi scheme annually?

(a) 6000

(b) 3000

(c) 2000

(d) 4000

Q97. Who among the followings was presented with the 'Carnot Prize'2018?

(a) Nitin Gadkari

(b) Arun Jaitley

(c) Piyush Goyal

(d) J.P. Nadda

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Q98. What is the rank of India in the Corruption perception Index 2018
(a) 67th
(b) 73th
(c) 78th
(d) 98th

Q99. In which states the second Tulip garden is inaugurated?
(a) Uttarakhand
(b) Uttar Pradesh
(c) Arunachal Pradesh
(d) Manipur

Q100. National Voter's day is celebrated on _____
(a) 24th august
(b) 25th January
(c) 28th September
(d) 26th July

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