

Q1. Newton is related to Force in the same way as Pascal is related to?

- (a) Volume (b) Pressure
(c) Density (d) Purity

Q2. The positions of how many digits in the number 426193758 will remain same when the digits are arranged in ascending order?

- (a) Three (b) One
(c) Two (d) None

Q3. If AT = 20, BAT = 40, then CAT will be equal to

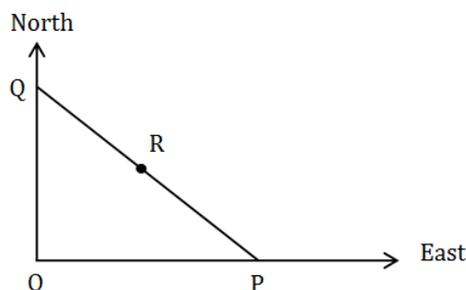
- (a) 30 (b) 50
(c) 60 (d) 70

Q4. In this question, a series is given with one term missing. Find out the missing term from the given alternatives.

4, 6, 12, 14, 28, 30, ?

- (a) 42 (b) 60
(c) 56 (d) 61

Q5. In the given figure, P is 300 km eastward of O and Q is 400 km north of O. R is exactly in the middle of Q and P. The distance between Q and R is

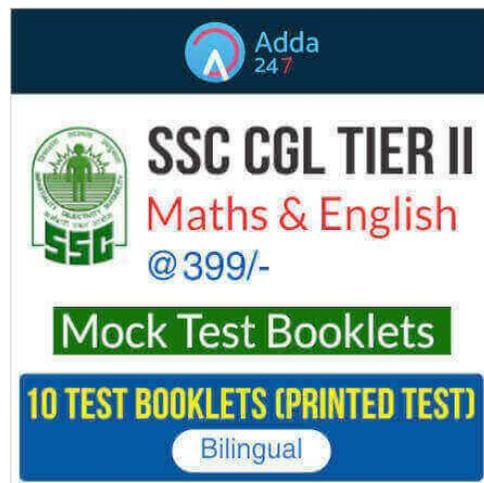


- (a) 250 km (b) $250\sqrt{2}$ km
(c) 300 km (d) 350 km

Q6. Find the missing term?

1	3	10
2	6	37
8	4	?

- (a) 30 (b) 16
(c) 17 (d) 24



Q7. If $A > B$, $B > C$ and $C > D$, then which of the following conclusions is definitely wrong?

- (a) $A > D$ (b) $A > C$
(c) $D > A$ (d) $B > D$

Q8. If \div implies $=$, \times implies $<$, $+$ implies $>$, $-$ implies \times , $>$ implies \div , $<$ implies $+$, $=$ implies $-$, identify the correct expression.

- (a) $1 - 3 > 2 + 1 - 5 = 3 - 1 < 2$ (b) $1 - 3 > 2 + 1 \times 5 = 3 \times 1 > 2$
(c) $1 \times 3 > 2 + 1 \times 5 \times 3 - 1 > 2$ (d) $1 - 3 > 2 + 1 \times 5 + 3 - 1 > 2$

Q9. How many such pairs of digits are there in the number 531268947 each of which has as many digits between them in the number as when they are arranged in descending order?

- (a) 2 (b) 3
(c) 4 (d) more than 4

Q10. Unscramble the letters in the given words and find the odd one out:

- (a) EIWNTR (b) UMRSME
(c) PIGRSN (d) LCUOD

Q11. In the given series of letters, how many P's are preceded and followed by t?

P t P t t P P t P t P P P q q P t P t t P P P t

- (a) 0 (b) 2
(c) 3 (d) 4

Q12. Number of letters skipped in between adjacent letters in the series is in the order of 2, 5, 7, 10. Find out which of the letter-series follows the given rule.

- (a) CFJLT (b) FIKOT
(c) QTZHS (d) SVBEP

Q13. If the letters in the word UNDERTAKING are rearranged in the alphabetical order, which one will be at the 8th place after the rearrangement?

- (a) G (b) I
(c) K (d) N

Directions (14): In this question, arrange the given words in the sequence in which they occur in the dictionary and then choose the correct sequence.

Q14.

1. Paradise 2. Patience 3. Palindrome
4. Pasteurization 5. Pessimist

- (a) 3, 4, 5, 2, 1 (b) 3, 4, 1, 5, 2
(c) 3, 1, 4, 2, 5 (d) 3, 5, 1, 2, 4

Q23. If P denotes +, Q denotes -, R denotes '÷', and S denotes ×, then: 20S96R8Q16P10 = ?

- (a) 123 (b) 234
(c) 456 (d) 345

Q24. You have to consider the statement to be true, even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions I, II, III & IV, if any, follow from the given statements.

Statements:

1. All pooja are actors. 2. Some actors are smart.

Conclusion:

- I. All pooja are smart. II. Some smart are pooja.
III. Some smart are actors. IV. All actors are pooja.

- (a) Only Conclusion I follows (b) Only Conclusion II & IV follows
(c) Only Conclusion III follows (d) None of the conclusions follows.

Q25. Arrange the given words in alphabetical order and choose the one that comes first.

- (a) Anemometer (b) Angiography
(c) Antecedent (d) Anthology

Q26. If 'yellow' is called 'butter', 'butter' is called 'shampoo', 'shampoo' is called 'orange', 'orange' is called 'honey' and 'honey' is called 'tasty', which of the following is used for washing hairs?

- (a) Honey (b) Butter
(c) Orange (d) Ink

Q27. Choose the odd numeral pair/group in this question.

- (a) 35 : 106 (b) 46 : 138
(c) 41 : 124 (d) 31 : 94

Q28. If '÷' stands for subtraction, '-' stands for addition, '×' stands for division and '+' stands for multiplication, then which one of the following equation is correct?

- (a) $35 \div 4 - 25 \times 5 + 5 = 28$ (b) $35 \div 4 - 25 \times 5 + 5 = 61$
(c) $35 \div 4 - 25 \times 5 + 5 = 41$ (d) $35 \div 4 - 25 \times 5 + 5 = 56$

Q29. A gets more marks than B but less than C. D gets less marks than E but more than A. If C gets less than D then who amongst A, B, C, D, E gets the second highest marks?

- (a) C (b) D
(c) E (d) B

Q30. In each of the following letters series, some of the letters are missing which are given in that order as one of the alternatives below it. Choose the correct alternative.

AA _ _ ABA _ BCA _ AAB _ A _

- (a) BCACAB (b) BBABCB
(c) BCABCB (d) CBABAC

Q31. Choose that set of numbers from the four alternative sets, that is similar to the given set.

Given set: (16, 8, 2)

- (a) (3, 7, 1) (b) (11, 12, 10)
(c) (18, 9, 3) (d) (14, 20, 8)

Q32. Pointing to a photograph, a lady tells Anand, "I am the only daughter of this lady and her son is your maternal uncle." How is the speaker related to Anand's father?

- (a) Sister-in-law (b) Cousin
(c) Wife (d) Either (a) or (b)

Q33. In a certain code, STAR is written as #52, RIDE is written as 2%7*. How is DARE written in that code?

- (a) 7#2* (b) 7%*2
(c) 752* (d) 7\$2*

Q34. If $1 \times 5 \times 2 = 521$, $6 \times 7 \times 2 = 726$ and $5 \times 8 \times 7 = 875$ then $8 \times 4 \times 5 = ?$

- (a) 485 (b) 458
(c) 548 (d) 854

Q35. Find the missing number?

19	6	8
41	?	19
50	24	28

- (a) 11 (b) 13
(c) 15 (d) 18

Q36. Which among the following built the famous Khajuraho temple?

- (a) The Chandela kings (b) The Pala kings
(c) Vikramaditya (d) The Jaina monks of Central India

Q37. The Akaal Takht was built by

- (a) Guru Ramdas (b) Guru Teg Bahadur
(c) Guru Hargobind (d) Guru Nanak

Q38. Who said "The Simon Commission Report should be thrown on a heap of rubbish"?

- (a) Mahatma Gandhi (b) Shivaswami Ayyar
(c) Muhammed Ali Jinnah (d) Jawaharlal Nehru

Q39. What is the epicenter of an earthquake?

- (a) The point at which earthquake originates
- (b) The point which is prone to volcanoes
- (c) The point from which the intensity of seismic waves declines
- (d) The point on the Earth's surface vertically above the seismic focus

Q40. The largest island in the world is Greenland. It is an integral part of

- (a) Norway
- (b) North America
- (c) Denmark
- (d) Canada

Q41. Which river flows between the Satpuras and the Vindhyas?

- (a) Godavari
- (b) Gandak
- (c) Tapti
- (d) Narmada

Q42. Which of the following words in the Preamble of the Constitution of India, was not inserted through the Constitution (42nd Amendment Act, 1976)?

- (a) Socialist
- (b) Secular
- (c) Dignity
- (d) Integrity

Q43. In our Constitution, Economic Planning is included in?

- (a) Union List
- (b) State List
- (c) Concurrent List
- (d) Not any Specified List

Q44. Term of office of the President of USA is?

- (a) 6 years
- (b) 5 years
- (c) 4 years
- (d) 7 years

Q45. The main feature of a capitalist economy is?

- (a) administered prices
- (b) public ownership
- (c) economic planning
- (d) private ownership

Q46. If the price of an Griffin goods increases its demand?

- (a) rises
- (b) falls
- (c) remains constant
- (d) can be any of the above

Q47. What are the main components of basic social infrastructure of an economy?

- (a) Education, Industry and Agriculture
- (b) Education, Health and Civil Amenities
- (c) Transport, Health and Banks
- (d) Industry, Trade and Transport

Q48. The atmospheric air is held to the earth by?

- (a) gravity
- (b) winds
- (c) clouds
- (d) rotation of the Earth

Q49. Which of the following waves cannot be transmitted through vacuum?

- (a) light (b) sound
(c) X-rays (d) electromagnetic

Q50. Who developed hydrogen bomb?

- (a) Wernher Von Braun (b) J Robert Oppenheimer
(c) Edward Teller (d) Samuel Cohen

Q51. Copper is refined by?

- (a) roasting (b) oxidation
(c) electrolysis (d) zone refining

Q52. Fluid part of blood devoid of corpuscles is called?

- (a) pertussis fluid (b) plasma
(c) serum (d) lymph

Q53. Two richest known sources of edible protein are?

- (a) meat and eggs (b) some algae and other microorganisms
(c) soyabean and groundnut (d) milk and leafy vegetables

Q54. The function of trypsin is to?

- (a) breakdown fats (b) Synthesis proteins
(c) breakdown proteins (d) breakdown carbohydrates

Q55. Which one of these is a communicable disease?

- (a) Diabetes (b) Diphtheria
(c) Arthritis (d) Cancer

Q56. Where is the permanent secretariat of the SAARC?

- (a) New Delhi (b) Islamabad
(c) Colombo (d) Kathmandu

Q57. Identify the European power from whom Shivaji obtained cannons and ammunition.

- (a) The French (b) The Portuguese
(c) The Dutch (d) The English

Q58. CR Das and Motilal Nehru formed the 'Swaraj Party' after.

- (a) Swadeshi Movement (b) Non-Cooperation Movement
(c) Civil Disobedience Movement (d) Quit India Movement

Q59. Provincial autonomy was introduced in India by the

- (a) Indian Councils Act, 1909 (b) Government of India Act, 1919
(c) Government of India act, 1935 (d) Indian Independence Act, 1947

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Q60. Equatorial regions experience

- (a) warm and dry climate (b) hot and wet climate
(c) wet and windy climate (d) moderately pleasant climate

Q61. The main reason for deforestation in Asia is

- (a) excessive fuel wood collection (b) excessive soil erosion
(c) floods (d) construction of roads

Q62. Kariba dam is located on the river

- (a) Zambezi (b) Niger
(c) Buene (d) Nile

Q63. Which is the most extensive soil found in India?

- (a) Desert soil (b) Laterite soil
(c) Alluvial soil (d) Black soil

Q64. When was the first National Forest Policy issued by the Government of India?

- (a) 1952 (b) 1940
(c) 1942 (d) 1999

Q65. Which of the following subjects does not figure in the Concurrent List of our Constitution?

- (a) Forests (b) Trade unions
(c) Stock exchanges and futures markets (d) Protection of wild animals and birds

Q66. Directive Principles of State Policy in the Indian Constitution were taken from the Constitution of

- (a) Britain (b) Ireland
(c) USA (d) Canada

Q67. Parliament exercises control over public expenditure through

- (a) Advocate General (b) Comptroller Auditor General
(c) Commerce Minister (d) Finance Minister

Q68. Collective consumption means

- (a) household consumption (b) individual consumption
(c) self-consumption (d) consumption by the citizens of the country

Q69. The Law Demand expresses

- (a) effect of change in price of a commodity on its demand
(b) effect of change in demand of a commodity on its price
(c) effect of change in demand of a commodity over the supply of its substitute
(d) None of the above

Q70. Which of the following taxes is not shared between the union and the states?

- (a) Income tax (b) Excise duty
(c) Corporation tax (d) Cess

Q71. The following particles move with same kinetic energy. Which of them has maximum momentum?

- (a) Electron (b) Proton
(c) Deuterium (d) Alpha-Particle

Q72. Rain drops fall from great height. Which among the following statements is true regarding it?

- (a) They fall with that ultimate velocity, which are different for droplets
(b) They fall with same ultimate velocity
(c) Their velocity increases and they fall with different velocity on the earth
(d) Their velocity increases and they fall with same velocity on the earth

Q73. It is dangerous to observe solar eclips with naked eyes, because

- (a) infrared radiations from sun burn our retina
(b) ultraviolet radiations from sun burn our retina
(c) all radiations from sun initiate chemical reactions in eyes
(d) cosmic rays reach eyes more during the eclipse

Q74. The Refrigerant Freon is

- (a) calcium tetra fluoride (b) chlorodifluoro methane
(c) fluorspar and feldspar (d) hydrofluorosilicic acid

Q75. Which of the following processes is used for the production of biodiesel?

- (a) Transamination (b) Transcription
(c) Transesterification (d) Translation

Q76. Which bacterial strain developed from natural isolates by genetic manipulations can be used for treating oil spills?

- (a) Agrobacterium (b) Clostridium
(c) Nitrosomonas (d) Pseudomonas

Q77. Blood pressure is controlled by

- (a) adrenal gland (b) thyroid gland
(c) thymus (d) corpus luteum

Q78. Which one of the following elements is associated with teeth disorder?

- (a) Chlorine (b) Fluorine
(c) Bromine (d) Iodine



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Q79. Which space vehicle put man on the Moon first time?

- (a) Apollo
- (b) Challenger
- (c) Columbia
- (d) Explorer

Q80. Which country has become the second largest fish producing country in the world?

- (a) Peru
- (b) Russia
- (c) Germany
- (d) India

Q81. The United Nations Universal Children's Day is celebrated every year on _____.

- (a) November 22
- (b) November 23
- (c) November 20
- (d) November 21

Q82. A Guarantee Agreement for IBRD loan of USD 98 million and Grant Agreement for USD 2 million for the _____ was signed with the World Bank.

- (a) Renewable energy across the country
- (b) Shared Infrastructure for Solar Parks Project
- (c) development of banks of India
- (d) Rural Development

Q83. On the 2nd Anniversary of which scheme, the Government of India signed four MoUs under with the State of Nagaland and with four Union Territories (UTs) for operational improvements.

- (a) Antyodaya Anna Yojana
- (b) Pradhan Mantri Kaushal Vikas Yojana
- (c) Standup India
- (d) Ujwal DISCOM Assurance Yojana (UDAY)

Q84. Name the India's nominee to the International Court of Justice (ICJ) who was re-elected to the fifth and the last seat of the world court.

- (a) Dalveer Bhandari
- (b) Saurabh Taneja
- (c) Rajiv Kumar Gauba
- (d) Raj Leela Rawat

Q85. Name the Union Minister for Agriculture & Farmers Welfare who has recently inaugurated the World Fisheries Day Celebrations.

- (a) Hardeep Singh Puri
- (b) Thaawar Chand Gehlot
- (c) Radha Mohan Singh
- (d) Jual Oram

Q86. While climbing a slippery pole which is 15 metre high, a monkey climbs 5 metre and slips down 3 metre respectively in alternate minute. To reach the top of the pole the monkey would take-

- (a) 15 minutes
- (b) 14 minutes
- (c) 12 minutes
- (d) 11 minutes

Q87. In a class of 50 students, 23 speak English, 15 speak Hindi and 18 speak Punjabi. 3 speak only English and Hindi, 6 speak only Hindi and Punjabi and 6 speak only English and Punjabi. If 9 can speak only English, then how many students speak all the three languages?

- (a) 1
- (b) 2
- (c) 3
- (d) 5

Q88. When the price of sugar was increased by 32%, a family reduced its consumption in such a way that the expenditure on sugar was only 10% more than before. If 30 kg per month were consumed before, find the new monthly consumption.

- (a) 42 kg (b) 35 kg
(c) 25 kg
(d) 16 kg

Q89. Out of a total of 120 musicians in a club, 6 can play all the three instruments guitar, violin and flute. It so happens that the number of musicians who can play any two and only two of the above instruments is 30. The number of musicians who can play the guitar alone is 40. What is the total number of those who can play violin alone of flute alone?

- (a) 30 (b) 44
(c) 38 (d) 45

Q90. At the start of a seminar, the ratio of the number of male participants to the number of female participants was 3 : 1. During the tea break, 16 male participants left and 6 more female participants registered. The ratio of the male to the female participants became 2 : 1. The total number of participants at the start of the seminar was -

- (a) 112 (b) 48
(c) 54 (d) 72

Q91. In a race of 600 m, A can beat B by 60 m and in a race of 500 m, B can beat C by 25 m. By how many meters will A beat C in a 400 m race?

- (a) 56 m (b) 60 m
(c) 58 m (d) 54 m

Q92. The average speed of a train is 20% less on the return journey than on the onward journey. The train halts for half an hour at the destination station before starting on the return journey. If the total time taken for the journey is 23 hr, covering a distance of 1000 km, the speed of the train on the return journey is

- (a) 60 km/hr (b) 40 km/hr
(c) 50 km/hr (d) 55 km/hr

Q93. A train travelling at 48 km/h completely crosses another train having half its length and travelling in opposite direction at 42 km/h in 12 s. It also passes a railway platform in 45 s. the length of the platform is?

- (a) 400 m (b) 450 m
(c) 560 m (d) 600 m

Q94. A man arranges to pay off a debt of Rs 3600 by 40 annual installments which are in AP. When 30 of the installments are paid he dies leaving one-third of the debt unpaid. The value of the 8th installment is?

- (a) Rs 35 (b) Rs 50
(c) Rs 65 (d) None of these

Q95. A person bought two tables for Rs 2200. He sells one at 5% loss and the other at 6% profit and thus on the whole he neither gains nor loses. Find the cost price of each table?

- (a) Rs 1500, Rs 700 (b) Rs 2000, Rs 200
(c) Rs 1200, Rs 1000 (d) Rs 1100, Rs 1100

Q96. Pintu gave some cards to Mintu and himself from a full pack of playing cards and laid the rest aside. Pintu then said to Mintu, "If you give me a certain number of your cards, I will have 4 times as many cards as you have. If I gave you the same number of cards, I will have thrice as many cards as you have." How many cards did Pintu have?

- (a) 31 (b) 32
(c) 29 (d) 30

Q97. Find the remainder of $\frac{1! + 2! + 3! + 4! + 5! + \dots + 1000!}{6}$?

- (a) 3 (b) 4
(c) 5 (d) 6

Q98. Find the remainder of $\frac{1! + 2! + 3! + 4! + 5! + \dots + 1000!}{12}$?

- (a) 10 (b) 9
(c) 8 (d) 11

Q99. Find the remainder of $\frac{(53)^{112}}{9}$?

- (a) 5 (b) 4
(c) 1 (d) 0

Q100. Find the remainder of $\frac{(53)^{145}}{9}$?

- (a) 10 (b) 11
(c) 12 (d) 8



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