

Section- A Mathematics

1. What will be value of the square root of 15625?

- A.115 B.135 C.125 D.145

2.What will be the value of $\sqrt{676} + \sqrt{784} - \sqrt{289}$?

- A. 38 B. 42 C.37 D. 36

3. If $\sqrt{18225} = 135$, what will be the value of $\sqrt{18225} + \sqrt{182.25} + \sqrt{1.8225}$?

- A. 129.75 B. 149.75 C.157.85 D.149.65

4. The value of $\sqrt{0.0025} \times \sqrt{2.25} \times \sqrt{0.0001}$ is :

- A. 0.075 B.0.0075 C.0.00075 D. 0.000075

5. $\sqrt{\frac{0.081 \times 0.484}{0.0064 \times .25}}$ simplifies to :

- A.9 B. 99 C. 0.99 D. 0.9

6. Find the volume of a cube whose surface area is 150 m².

- A. 125 B. 216 C. 64 D. 27

7. Given that $0.13 \div p^2 = 13$. then p equals:

- A. 100 B. 10 C. 0.1 D. 0.01

8. Given that $\frac{52}{x} = \sqrt{\frac{169}{289}}$, then x equals:

- A. 68 B. 62 C. 58 D. 52

9. $(x^{2/3})^{-3/4}$ is equivalent to :

- A. $\frac{1}{x}$ B. $\frac{1}{\sqrt{x}}$ C. $\frac{1}{x^2}$ D. $\frac{1}{x^{-2}}$

10. The value of $(8)^{-(2-2)}$ is

- A. $2^{-1/4}$ B. $2^{-3/4}$ C. $2^{3/4}$ D. $2^{-1/2}$

11. $(100)^0$ is equivalent to

- A. 0 B. 10 C. 1 D. 100

12. If $5^a = 3215$, then find the value of $5^{(a-2)}$

- A. 1625 B. 625 C. 125 D. 25

13. If $10^{0.48} = x$, $10^{0.70} = y$ and $x^z = y^2$, then what is the approximate value of z

- A. 3.7 B. 2.9 C. 1.88 D. 1.45

14. If $\left(a + \frac{2}{a}\right) = 3$, then the value of $\left(a - \frac{2}{a}\right)$ will be :

- A. ± 4 B. ± 5 C. ± 2 D. ± 1

15. If $a+b+c=0$, then what will be the value of $\frac{1}{b^2+c^2-a^2} + \frac{1}{c^2+a^2-b^2} + \frac{1}{a^2+b^2-c^2}$?

- A. 2 B. 1 C. 4 D. 0

16. If $\sqrt{a} + \frac{1}{\sqrt{a}} = 5$, then the value of $a^3 + \frac{1}{a^3}$ will be

- A. 11098 B. 13088 C. 12098 D. 12088

17. If $a + b + c = 15$ and $a^2 + b^2 + c^2 = 77$, then what will be the value of $ab + bc + ca$?

- A. 22 B. 74 C. 20 D. 18

18. Factors of $4x^2 + 8x - 5$ will be

- A. $(2x-1)(2x-1)$ B. $(2x+1)(2x+5)$
C. $(2x-5)(2x-1)$ D. $(2x+5)(1-2x)$

19. If the expression $x^4 + ax^2 + bx + 5$ is exactly divisible by $x^2 + 3x + 2$ the value of a and b are

- A. $-\frac{3}{2}, \frac{9}{2}$ B. $\frac{9}{2}, \frac{3}{2}$ C. $\frac{4}{3}, \frac{3}{2}$ D. $-\frac{9}{2}, \frac{3}{2}$

20. Find the HCF of x^3y^2, x^2y^3 and x^4y^4 .

- A. x^3y^4 B. xy C. x^2y^2 D. x^4y^4

21. The LCM of $4xy^4$ and $6x^2y^2$ is ;

- A. $6xy^2$ B. $12x^2y^4$ C. $6x^2y^2$ D. $2xy$

22. $\frac{5-7y}{2+4y} = -\frac{8}{7}$

A. 3

B. 2

C. 4

D. 5

23. The difference between two numbers is 8. If 2 is added to the greater number, the result will be three times the smaller. Find the numbers.

A. 13,5

B. 11,5

C. 9,5

D. 16,5

24. A motor boat goes downstream in a river and covers the distance between two coastal towns in five hours. It covers this distance upstream in six hours. If the speed of the stream is 2 km/hr., find the speed of the boat in still water.

A. 12 km/hr

B. 18km/hr

C. 22 km/hr

D. 24 km/hr

25. Divide ₹1380 among Ahmed, John and Mamta so that the amount Ahmed receives is 5 times as much as Mamta's share and is 3 times as much as John's share.

A. ₹900, ₹300

B. ₹800, ₹760

C. ₹950, ₹650

D. ₹1050, ₹510

26. If the cost of a book worth ₹50 is increased by ₹25. Find the rate of increase.

A. 25%

B. 50%

C. 12.5%

D. 40%

27. A farmer sold two bullocks for ₹18000 each. On one bullock he gained 20%. Find his total loss or gain.

A. ₹1500

B. ₹1800

C. ₹1300

D. 1600

28. Yogita sold a plot of land at 20% gain to Dimpi. Dimpi sold it to Anjali at 10% profit. If Anjali had to pay ₹330000 for the plot. Find the C.P. of the plot for Yogita.

A. ₹2,40,000

B. ₹2,30,000

C. ₹2,20,000

D. 2,50,000

29. Find the simple interest on ₹4000 for 3 years at the rate of 10% p.a. Also find the amount.

A. ₹1200, ₹5200

B. ₹1600, ₹4000

C. ₹1100, ₹4400

D. ₹1500, ₹6500

30. What simple interest will discharge a debt of ₹2210 due in 4 years at 7% per annum?

A. ₹600

B. ₹680

C. ₹618.80

D. ₹620.20

31. Find the amount of ₹6000 lent at 5% per annum for 2 years if the nearest is compounded annually.

A. ₹6615

B. 6015

C. 6525

D. 6640

32. At what rate per cent per annum will a sum of ₹4000 yield compound interest of ₹410 in 2 years.

A. 6%

B. 5%

C. 8%

D. 4%

33. Reena invested a sum of ₹ 12000 at 5% per annum compound interest. She received an amount of ₹ 13230 after n years. Find the value of n.

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

34. Find the cash required to purchase ₹ 1600, $8\frac{1}{2}\%$ stock at 105, brokerage $\frac{1}{2}\%$

- A. ₹ 1560 B. ₹ 1688 C. ₹ 1720 D. ₹ 1590

35. Find the annual income derived by investing ₹ 770 in $4\frac{1}{2}\%$ stock at 96 (brokerage $\frac{1}{4}\%$)

- A. ₹ $5\frac{5}{7}\%$ B. $6\frac{1}{7}\%$ C. $4\frac{6}{7}\%$ D. $3\frac{5}{7}\%$

36. The man buys ₹ 20 shares paying 9% dividend. The man wants to have an interval of 12% on his money. The market value of each share is:

- A. ₹ 12 B. ₹ 15 C. ₹ 18 D. ₹ 21

37. The length and breadth of a rectangular field are in the ratio 3:2. If the area of the field is 3456 m^2 . Find its dimensions.

- A. 48 m . 60 m B. 72 m, 48m C. 40 m , 70m D. 64m, 52 m

38. The area of square ABCD is 16 cm^2 . Find the area of the square joining the mid-points of the sides.

- A. 4 cm^2 B. 6 cm^2 C. 10 cm^2 D. 8 cm^2

39. The cost of fencing a square field at 60 paise per metre is ₹1200. Find the cost of reaping the field at the rate of 50 paise per 100 sq meters.

- A. ₹ 8 B. ₹ 12 C. ₹ 10 D. ₹ 9

40. Find the area of an equilateral triangle of sides 20 cm each.

- A. $808\sqrt{3}\text{ cm}^2$ B. $100\sqrt{3}\text{ cm}^2$ C. $60\sqrt{3}\text{ cm}^2$ D. $120\sqrt{3}\text{ cm}^2$

41. The diameter of a cycle wheel is 70 cm. Find how many times the wheel will revolve in order to cover a distance of 110 m.

- A. 50 B. 60 C. 40 D. 45

42. A piece of wire is bent in the shape of an equilateral triangle of each side 6.6 cm. It is re-bent to form a circular ring. What is the diameter of the ring?

- A. 5.32cm B. 5.85 cm C. 6.30 cm D. 6.80 cm

43. A race track is in the form of a ring whose circumference is 352 m. and the outer circumference 396 m. Find the width of the track.

- A. 10m B. 7 m C. 8 m D. 6 m

44. A circular ground has radius 56m. A 7 m wide road runs on the outside around it. Find the area of the road.

- A. 2625 m^2 B. 2630 m^2 C. 2618 m^2 D. 2624 m^2

45. Diameter of a sphere is 10 cm. Find its surface?

- A. 314.28 cm^2 B. 318.24 cm^2 C. 312.28 cm^2 D. 310.28 cm^2

46. A hemispherical bowl made of brass has inner diameter 10.5 cm. Find the cost of tin plating it on the inside at the rate of ₹ 16 per 100 cm^2

- A. ₹.25.72 B. 28.72 C. ₹27.72 D. ₹ 26.72

47. A solid gold ball of radius 7 cm was melted and then drawn into a wire of diameter 0.2 cm. Find the length of the wire.

- A. 457.33 m B. 452.33 m C. 454.33 m D. 458.33 m

48. How many spherical bullets can be made out of a solid cube of lead whose edge measures 44 cm. each bullet being 4 cm in diameter?

- A. 2496 B. 2525 C. 2541 D. 2552

49. A solid is in the form of a cylinder with hemi-spherical ends. The total height of the solid is 7 cm. Find the volume and total surface area of the solid.

- A. $641.67 \text{ cm}^3, 418 \text{ cm}^2$ B. $625.67 \text{ cm}^3, 424 \text{ cm}^2$
C. $648.67 \text{ cm}^3, 420 \text{ cm}^2$ D. $644.67 \text{ cm}^3, 414 \text{ cm}^2$

50. A cube of side 4 cm contains a sphere touching its side. Find the volume of the gap in between.

- A. 20.45 cm^3 B. 22.44 cm^3 C. 30.48 cm^3 D. 32.46 cm^3

SECTION-B ENGLISH

Direction: In the following questions choose the correct options to fill in the blanks.

51. That is the girl won the first prize.

- A. whom B. who C. whose D. Which

52. Vivek works harder than.....

- A. me B. I C. her D. his

53. One is supposed to do.....

- A. Our duty B. their duty C. one's duty D. his duty
54. The adjective form of 'advice' is:
A. advisedly B. advisable C. advisably D. advise
55. The adjective form of 'brutalise' is.
A. brutally B. brutality C. brutal D. brutalize
56. The adjective form of 'comfort' is:
A. comfort B. comfortable C. comfortably D. Comforter
57. The between the twins is so slight that it is very difficult to identify one from the other.
A. similarity B. distance C. resemblance D. difference
58. Their to scale the mountain peak was an absolute failure.
A. attempt B. desire C. anxiety D. proposal
59. Changes in the legal system are inevitable for we are not working for a society.
A. back ward B. dynamik C. stagnant D. modern
60. COMBAT
A. Fight B. Conflict C. Shoot D. Quarrel
61. SHIVER
A. Fear B. Tremble C. Shake D. Ache
62. LAUDABLE
A. Lovable B. Commendable C. Profitable D. Oblivious
63. Murder of infants:
A. Regicide B. Abortion C. Homicide D. Infanticide
64. Belief in the role of a strong dictator is :
A. Fanaticism B. Fascism C. Nepotism D. Dogmatism
65. One who flirts with ladies:
A. Solvent B. Gentleman C. Philanderer D. Popular
66. Turn turtle
A. To cheat B. To be lopsided C. To frustrate D. To dance to the tune

67. Under duress

- A. Under compulsion B. Willing C. To elicit information D. To demand

68. "Small talk" means

- A. Gossip B. A discussion carried on for a long time
C. A brief discussion D. None of these

69. To be under cloud

- A. puzzle B. Enjoy the favour C. Talk thoughtlessly D. To be under suspicion

70. To end in smoke

- A. To make completely understand B. To ruin oneself
C. To excite great applause D. None of these

Directions (Qs.No.71 to 75): Read the following passages and answer the questions that follow:

The Indian Army is the land-based branch and the largest component of the Indian Armed Forces. The President of India is the Supreme Commander of the Indian Army, and it is commanded by the Chief of Army Staff (COAS), who is a four-star general. Two officers have been conferred with the rank of field marshal, a five-star rank, which is a ceremonial position of great honour. The Indian Army originated from the armies of the East India Company, which eventually became the British Indian Army, and the armies of the princely states, which finally became the national army after independence. The units and regiments of the Indian Army have diverse histories and have participated in a number of battles and campaigns across the world, earning a large number of battle and theatre honours before and after Independence.

The primary mission of the Indian Army is to ensure national security and national unity, defending the Nation from external aggression and internal threats, and maintaining peace and security within its borders. It conducts humanitarian rescue operations during natural calamities and other disturbances, like Operation Surya Hope, and can also be requisitioned by the government to cope with internal threats. It is a major component of national power alongside the Indian navy and the Indian Air Force. The Army has been involved in four wars with neighbouring Pakistan and one with China. Other major operations undertaken by the army include Operation Vijay, Operation Meghdoot and Operation Cactus. Apart from conflicts, the army has conducted large peace time exercises like Operation Brass stacks and Exercise

Shoorveer, and it has also been an active participant in numerous United Nations peacekeeping missions including those in: Cyprus, Lebanon, Congo, Angola, Cambodia, Vietnam, Namibia, El Salvador, Liberia, Mozambique and Somalia.

The Indian Army has a regimental system, but is operationally and geographically divided into seven commands, with the basic field formation being a division. It is an all-volunteer force and comprises more than 80% of the country's active defence personnel. It is the 2nd largest standing army in the world, with 1,237,117 active troops and 960,000 reserve troops. The army has embarked on an infantry modernisation program known as Futuristic Infantry Soldier As a System (F-INSAS), and is also upgrading and acquiring new assets for its armoured, artillery and aviation branches

Q.71. Is the Chief of Army a five -star general?

1. Yes
2. No, he is a four-star general
3. No, the field marshal is the five-star general
4. No, the chief of army is the president

Q.72. What is the basic field formation in the Indian army?

- 1) The regiment
- 2) The division
- 3) The infantry
- 4) Aviation

Q.73. Is the Indian army involved in any peace-making efforts?

- 1) no, it only involves itself in conflict situations
- 2) it helps in rebuilding cities ravaged by wars
- 3) Yes, it does involve itself in peace-making efforts
- 4) It does not enter into conflict zones

Q.74. Is the Indian army the only component of national power?

- 1) yes
- 2) No, National power is a combination of the army, the navy and the air force
- 3) No, the navy is the only component
- 4) no, all national power lies in the hands of the government.

Q.75. Is the Indian army an all – volunteer' force?

- 1) No it is compulsory for every Indian above the age of 18 to join the army
- 2) yes it is
- 3) no, only the air force is all voluntary

4) No, the navy is all –voluntary

Section C - General Science

76. A person presses the earth least where he is :

- A. Sitting B. Standing C. running D. Lying on the ground

77. A bomb is dropped from an aeroplane moving horizontal at constant speed. When air resistance is taken into consideration, then the bomb:

- A. falls with the aeroplane B. falls on earth ahead of the aeroplane
C. falls on earth behind aeroplane D. falls on earth exactly below the aeroplane.

78. The flying of birds is a proof of Newton's :

- A. first law B. second law C. third law of motion D. both second and third law

79. Which of the following statement is true?

- A. Kinetic energy and momentum both are conserved in all types of motion.
B. Momentum is conserved in elastic collision but not in inelastic collision.
C. Total Kinetic energy is not conserved but momentum is conserved in inelastic collision.
D. Kinetic energy is conserved in elastic collision but not in inelastic collision.

80. Power is measured in

- A. Joules per second B. Joules per minute
C. Joules per square second D. None of these

81. Good absorbers of heat are

- A. poor emitters of heat B. good emitters of heat
C. only black bodies D. none of these

82. Water stored in a dam possesses:

- A. no energy B. electrical energy
C. Kinetic energy D. potential energy

83. Which one of the following is not the unit of energy?

- A. Joule
C. Kilowatt
- B. newton-metre
D. Kilowatt-hour

84. Who named positive and negative charges?

- A. Faraday
C. Benjamin Franklin
- B. Gauss
D. Madam Curie

85. Choose the incorrect statement about electric charge:

- A. charge is a point
C. The SI unit of charge is coulomb.
- B. charge is a property of a matter.
D. Two types of charge exist in nature.

86. The heating element in an electric iron is made up of;

- A. nichrome
B. iron
C. constantan
D. tungsten

87. The potential difference between two points if 2J of work must be done to move a 4 mC charge from one point to another is :

- A. 50 V
B. 500 V
C. 5 V
D. 5000 V



88. Alternating current is one which changes in its:

- A. direction
C. magnitude and direction both
- B. magnitude
D. none of the above

89. A.C. can be measured with the help of :

- A. moving coil galvanometer
C. tangent galvanometer
- B. hot-wire ammeter
D. hot-wire voltmeter

90. A transformer is employed to:

- A. convert A.C. into A.C.
C. obtain a suitable A.C voltage
- B. convert D.C into A.C.
D. Obtain a suitable D.C voltage.

Chemistry

91. Volume of a gas at NTP is 1.12×10^{-7} cc. Calculate the number of molecules in it.

- A. 3.01×10^{12}
B. 3.01×10^{20}
C. 3.01×10^{24}
D. 30.1×10^{23}

92. The alloy of steel containing chromium to resist rusting, is known as;
A. wrought iron B. cast iron C. hard steel D. stainless level
93. Which of the following substance consists of only one element?
A. Diamond B. Glass C. Marble D. Sand
94. If rate of diffusion of A is 5 times that of B, what will be the density ratio of A and B?
A. $\frac{1}{25}$ B. $\frac{1}{5}$ C. 25 D. 5
95. Magnalium is an alloy of
A. Magnesium and Copper B. Aluminium and Copper
C. Magnesium and Aluminium D. None of these
96. Which one of the following represents the correct arrangement in the increasing order of forces of attraction between their particles?
A. water, air, oxygen B. air, sugar, oil C. Oxygen, water, sugar D. None of these
97. The best evidence for the existence and movement of particles in liquids was provided by:
A. John Dalton B. Thomas Edison C. J.J. Thomson D. Robert Brown
98. When a gas jar full of air is placed upside down on a gas jar full of bromine vapours, the red-brown vapours of bromine from the lower jar go upward into the jar containing air. In this experiment.
A. bromine cannot be heavier than air because it is going upwards against gravity
B. both air and bromine have the same density
C. bromine is heavier than air
D. air is heavier than bromine.
99. The boiling point of ethane is, -88 C. This temperature will be equivalent to:
A. 285 K B. 218 K C. 185 K D. -185 K
100. When heat is constantly supplied by a gas burner with small flame to melt ice, then the temperature of ice during melting:
A. increase very slowly B. does not increase at all
C. first remain constants then decreases D. None of these
101. Abraham Lincon was elected the President of United State in :

A. 1862 B.1860 C.1875 D. 185

102. D-Day is the day when:

A. Germany declared war on Britain B. US dropped the atom bomb on Hiroshima.
C. Allied Troops landed in Normandy D. Germany surrendered to the allies.

103. At a time when empires in Europe were crumbling before the might of Napoleon which one of the following Governor-Generals kept the British flag flying high in India?

A. Warren Hastings B. Lord Cornwallis C. Lord Wellesley D. Lord Hastings

104. Industrial Revolution took place first in

A. France B. Germany C. United Kingdom D. Japan

105. The “Great Depression” (1929) economic crisis was met by adopting the policy of

A. Stimulus B. Marshall plan C. New Deal D. Open Door

106. Industrial Revolution could not have come about without:

A. Merchant Capitalism B. The Enclosure Movement
C. The Services of the proletariat class D. An agricultural revolution

107. Asia's oldest and largest Buddhist monastery is situated in:

A. Tawang (Arunachal Pradesh) B. Lhasa (Tibet)
C. Trincomallee (Sri Lanka) D. Ulan Bator (Mongolia)

108. Which ruler enforced the system of “Price Control” in India?

A. Mohammad Tughlak B. Razia Begum C. Alauddin Khilji D. Sher Shah Suri

109. The concept of “Din-e-Elahi” was founded by which king?

A. Dara Shikoh B. Akbar C. Sher Shah Suri D. Shajahan

110. The one chief characteristic of temple architecture of the Gupta Age was:

A. Absence of dome B. Huge size
C. Beautiful carvings
D. absence of a covered courtyard for the gathering of worshippers

111. Which, among the following, can be accepted as a novelty introduced by Mughal emperors to their buildings?

- A. Domes B. Minarets C. Arches D. Attached gardens

112. What important event happened in India in 1911?

- A. Bengal was partitioned
B. Non-Cooperation movement was launched
C. India's capital was shifted from Calcutta to Delhi
D. Mahatma Gandhi presided over the Congress session..

113. The Muslim League demanded a separate homeland for the Indian Muslims openly for the first time at its annual session held in Lahore in the year:

- A. 1931 A.D. B. 1936 A.D C. 1940 A.D D. 1941 A.D

114. Under whose governorship did the East India Company secure the Diwani Rights in Bengal, Bihar and Odisha from Emperor Shah Alam?

- A. Lord Cornwallis B. Lord William Bentinck C. Lord Clive D. Lord Wellesly

115. Aligarh Muslim University was founded by

- A. Dr. Saifuddin Kitchlu B. Mohammad Ali Jinnah
C. Sir Syed Ahmed Khan D. Maulana Mohammad Ali

116. Match the following:

- (a) Chanhudaro (b) Kallibangan (C) Lothal (D) Surkotada

1. Alleged discovery of the skeleton of horse.

2. Bead making

3. Traces of a dock and ship on seal.

4. Evidence of ploughing the fields.

The Correct code is

- | (a) | (b) | (c) | (d) |
|------|-----|-----|-----|
| A. 2 | 4 | 3 | 1 |
| B. 2 | 1 | 3 | 4 |
| C. 1 | 2 | 3 | 4 |
| D. 2 | 1 | 4 | 3 |

117. The Jain goal of life is to attain deliverance from the fetters of mundane existence, the way to which lies through three jewels. Which one of the following was not included among the "three jewels" of Jainism?

- A. Right faith B. Right Action C. Right Knowledge D. Right conduct

118. Which one of the following events took place at the last during reign of Muhammad bin-Tughlaq?

- A. Introduction of token currency B. Increase of land-revenue in Doab
C. Transfer of Capital from Delhi to Devagiri. D. Conquest of Khurasan and Iraq

119. The "Sufis" had 12 silsilas. They propounded the idea of Union with God through:

- A. Love B. Rituals C. Fasts D. Prayers

120. The Regulating Act of 1773 can be regarded as the first measure to:

- A. assert the right of British Parliament to legislate for India
B. separate the legislature from the executive
C. separate the judiciary from the executive
D. centralise law-making

121. What was the exact constitutional status of the Indian Republic on 26th January, 1950?

- A. A Democratic Republic
B. A Sovereign, Democratic Republic
C. A sovereign, Secular, Democratic Republic
D. A Sovereign, Socialist, Secular, Democratic Republic.

122. Which one of the following nationalist leaders has been described as being radical in politics but conservative on social issues?

- A. G.K. Gokhale B. B.G. Tilak C. Lala Lajpat Rai D. Madan Mohan Malviya

123. Which of the following is not a cash crop?

- A. Jute B. Paddy C. Cashewnut D. Sugarcane

124. Which country does top in producing cocoa?

- A. Ghana B. Brazil C. Ivory Coast D. Nigeria

125. The biggest reserves of thorium are in

- A. India B. China C. The Soviet Union D. U.S.A

General Intelligence & Reasoning

Directions: In each of the following series determine the order of the letters. Then from the given options select the one which will complete the given series.

126. B Y C D W E?

- (a) S (b) T (c) U (d) V

127. B A F E J I P O ? U

- (a) V (b) T (c) S (d) Q

128. BMY, DNW, FOU, ?

- (a) HPT (b) HPS (c) HQS (d) GPS

129. AZ, CX, EV, ?

- (a) HU (b) GS (c) GT (d) HT

Directions: Which letter (s) in each of the following series is wrong or is misfit in the series?

130. X S N I C Y

- (a) Y (b) C (c) S (d) I

131. XWDC, CB, NM, PQ

- (a) Nm (b) CB (c) PQ (d) XW

132. Z T P K H F

- (a) Z (b) P (c) T (d) F

Directions: Which of the following groups of letters will complete the given series ?

133. ab-b-bbaa--

- (a) babba (b) abaab (c) abbab (d) baaab

134. K-mk-Imkkl-kk-mk

- (a) lkml (b) lkml (c) lkmm (d) lkml

135. aca-ac-a-ac

- (a) babc (b) aaac (c) cacc (d) caca

136. ab-aa-caab-aab-a

- (a) bcbc (b) bbca (c) cbcc (d) caba

Directions: In the following questions, select the numbers(s) from the given options for completing the given series.

137. 10,14,23,39,64,?,149

- (a) 78 (b) 128 (c) 103 (d) 100

138. 0,1,8,27,64?

- (a) 125 (b) 128 (c) 256 (d) 121

139. 37,47,58,?,79,95

- (a) 71 (b) 69 (c) 68 (d) 67

140. 2745,9,15,3,5,/

- (a) 1 (b) $1/3$ (c) $1/5$ (d) $1/9$

Directions: In the given series find the number which is wrong.

141. 3,7,12,28,48,118,192,448

- (a) 12 (b) 118 (c) 28 (d) 7

142. 12,20,38,42,56,72

- (a) 20 (b) 38 (c) 56 (d) 72

143. 3,32,363,3993,43923

- (a) 363 (b) 3 (c) 32 (d) 43923

144. 5,12,16,24,27

- (a) 12 (b) 16 (c) 24 (d) 27

145. 81,64,49,35,25,16

- (a) 64 (b) 35 (c) 25 (d) 16

Directions: In the following questions, select the number from the given options which follows the same relationship as shared between the first two numbers.

146. 0.16:0.016::1.02:?

- (a) 10.20 (b) 0.102 (c) 0.0102 (d) 1.020

147. 125:27::343:?

- (a) 729 (b) 64 (c) 216 (d) 512

148. 13:17::15?

(A) 19 (b) 11 (c) 21 (d) 16

149. 123:149: : 201:?

(a) 202 (b) 404 (c) 401 (d) 227

150. 94:26:62?

(a) 16 (b) 22 (c) 39 (d) 48

***** All The Best *****

