

## SCIENCE

- A body is thrown vertically upwards and takes 5 seconds to reach maximum height. The distance travelled by the body will be same in:**
  - 1st and 10th second
  - 2nd and 8th second
  - 4th and 6th second
  - Both (2) & (3)
- The concept of inertia is explained in:**
  - Newton's first law
  - Newton's second law
  - Newton's third law
  - All
- If radius of earth suddenly contracts by half of its initial value keeping mass constant, then what will be the time period of rotation of earth about its axis.**
  - 6hr
  - 12hr
  - 3hr
  - 4hr
- Blood is flowing at the rates of  $200\text{cm}^3/\text{sec}$  in a capillary of cross-sectional area  $0.5\text{m}^2$ . The velocity of flow, (in mm/sec) is:**
  - 0.1
  - 0.2
  - 0.3
  - 0.4
- An ideal refrigerator runs between  $-23^\circ\text{C}$  and  $27^\circ\text{C}$ . Find the heat rejected to atmosphere for every joule of work input.**
  - 6 J
  - 5 J
  - 4 J
  - 3 J
- Statement-1: Animals curl into a ball, when they feel very cold.**  
**Statement-2 : Animals by curling their body reduces the surface area.**
  - Statement-1 is True, Statement-2 is True; Statement-2 is a correct explanation for Statement-1.
  - Statement-1 is True, Statement-2 is True; Statement-2 is not a correct explanation for Statement-1.
  - Statement-1 is True, Statement-2 is False.
  - Statement-1 is False, Statement-2 is True.
- A thin wire of length 'l' when heated to a certain temperature increases its length by 1%. A sheet of the same material of area  $2l \times l$  is heated to the same temperature increase in area will be...**
  - 4 %
  - 2.5 %
  - 2 %
  - 1.5 %
- If 10 g of ice at  $0^\circ\text{C}$  is mixed with 10 g of water at  $40^\circ\text{C}$ . The final mass of water in mixture is... (Latent heat of fusion of ice =  $80\text{cal/gm}$ ; specific heat of water =  $1\text{cal/gm }^\circ\text{C}$ )**
  - 10 gram
  - 15 gram
  - 18 gram
  - 20 gram
- In forced oscillations, a particle oscillates simple harmonically with a frequency equal to:**
  - Frequency of driving force.
  - Natural frequency of body.
  - Difference of frequency of driving force and natural frequency.
  - Mean of frequency of driving force and natural frequency.
- Incorrect order of radius is:**
  - $\text{Sr}^{+2} < \text{Rb}^+ < \text{Br}^- < \text{Se}^{-2}$
  - $\text{Nb}^{+5} < \text{Zr}^{+4} < \text{Y}^{+3}$
  - $\text{Co} > \text{Co}^{+2} > \text{Co}^{+3} > \text{Co}^{+4}$
  - $\text{Ba}^{+2} < \text{Cs}^+ < \text{Se}^{-2} < \text{As}^{-3}$
- Which one of the following statements is incorrect?**
  - Greater is nuclear charge, greater is the electron gain enthalpy.
  - Nitrogen has almost zero electron affinity.
  - Electron gain enthalpy decreases from fluorine to iodine in the group.
  - Chlorine has highest electron gain enthalpy.
- For alkali metals, which one of the following trends is incorrect?**
  - Hydration energy:  $\text{Li}^+ > \text{Na}^+ > \text{K}^+ > \text{Rb}^+$
  - Ionisation energy:  $\text{Li} > \text{Na} > \text{K} > \text{Rb}$
  - Density:  $\text{Li} < \text{Na} < \text{K} < \text{Rb}$
  - Atomic size:  $\text{Li} < \text{Na} < \text{K} < \text{Rb}$
- The compound that decolourises alkaline  $\text{KMnO}_4$  is...**
  - $\text{C}_6\text{H}_6$  (Benzene)
  - $\text{C}_6\text{H}_{12}$
  - $\text{C}_6\text{H}_{14}$
  - $\text{CCl}_4$
- Which of the following statement is correct for the given compounds?**  
(A)  $\text{CH}_3-\text{CH}=\text{CH}_2$   
(B)  $\text{CH}_3-\text{C}=\text{CH}$ 
  - (A) is more reactive than (B) for electrophilic addition reaction.
  - (B) reacts with  $\text{NaOH}$  while (A) does not
  - (B) can be converted into (A) by reacting with  $\text{Na/Liq. NH}_3$
  - All.

15. Equal mass of oxygen, hydrogen and methane are taken in a container in identical conditions. What is the ratio of their moles?  
 a) 1 : 16 : 1      b) 1 : 16 : 2  
 c) 8 : 1 : 8      d) 16 : 1 : 8
16. Solution with reserve acidity and alkalinity are called:  
 a) Isohydric solution  
 b) True solution  
 c) Normal solution  
 d) Buffer solution
17. If 4g O<sub>2</sub> effuse through a very narrow hole, How much H<sub>2</sub> would have effused under identical conditions.  
 a) 16 g              b) 1g  
 c) 0.25 g          d) 64 g
18. Offsprings are...  
 a) Exactly identical to either of their parents.  
 b) Not exactly identical to either of their parents.  
 c) Show intermediate characters inherited from both the parents.  
 d) Both (b) and (c)
19. DNA is..  
 a) Positively charged  
 b) Negatively charged  
 c) Neutral  
 d) Half positively charged and half negatively charged.
20. Mutation is...  
 a) Sudden and heritable changes.  
 b) Sudden reversible changes.  
 c) Gradual changes in genetic constitution.  
 d) All of these.
21. Micropropagation is...  
 a) Propagation of small parts of plants.  
 b) Multiplication of small plants.  
 c) Raising of plants from micropropagules in culture.  
 d) None of these.
22. Use of chemical pesticides has been reduced because...  
 a) It is toxic and harmful to human beings, domestic animals and useful pollinators.  
 b) Kills useful as well as harmful micro-organisms.  
 c) Pollutes the environment.  
 d) All of the above.
23. Ozone formed in the..... is considered as bad ozone.  
 a) Stratosphere      b) Troposphere  
 c) Mesosphere      d) Thermosphere
24. Read the statements given below and choose the correct option.  
 Assertion (A): Primitive earth atmosphere was strongly reducing.  
 Reason (R): When earth came into existence, there was some life on it.  
 a) If both A and R are true and R is the correct explanation of A.  
 b) If both A and R are true and R is not the correct explanation of A.  
 c) If A is true and R is false.  
 d) If both A and R are false.
25. What is antigen?  
 a) It is a blood group.  
 b) It is a toxic substance.  
 c) It is a phospholipid.  
 d) It is a protein.

## MATHEMATICS

26. Let  $X = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$  be the universal set and  $A = \{2, 4, 6\}$ ,  $B = \{1, 3, 7\}$  be its subsets. Then,  $(A' \cap B')$  is equal to:  
 a)  $\{2, 4, 5, 6, 8, 9, 10\}$       b)  $\{1, 3, 5, 7, 8, 9, 10\}$   
 c)  $\{5, 8, 9, 10\}$               d)  $X$
27. The domain of the function  $f(x) = -\frac{1}{\sqrt{|x|} - x}$  is  
 a)  $[0, \infty]$                       b)  $(-\infty, 0)$   
 c)  $[1, \infty]$                       d)  $(-\infty, 0)$
28. If for positive real numbers  $x, y, z$  the number  $x + y, 2y$  and  $y + z$  are in harmonic progression, then which one of the following is correct?  
 a)  $x, y, z$  are in GP      b)  $x, y, z$  are in AP  
 c)  $x, y, z$  are in HP      d) None of these
29. If the AM and GM of two numbers are 5 and 4 respectively, then what is the HM of those numbers?  
 a)  $\frac{5}{4}$                               b)  $\frac{16}{5}$   
 c)  $\frac{9}{2}$                                 d) 9

30. The quadratic equation with real coefficients, having  $(3 - \sqrt{-2})$  as one of its roots is:

- a)  $x^2 - 6x - 11 = 0$       b)  $x^2 - 6x + 11 = 0$   
 c)  $x^2 + 6x + 11 = 0$       d) None of these

31. If  $x^2 - 11x + k$  and  $x^2 - 14x + 2k$  have a common factor, then the non-zero value of k is

- a) 8                                  b) 16  
 c) 24                                d) -9

32. Find the value of  $\left[ i^{14} + \left( \frac{1}{i} \right)^{24} \right]^2 = ?$

- a)  $2i$                                 b)  $1 - 2i$   
 c)  $-4$                                 d) 0

33. If  $z_1$  and  $z_2$  are complex numbers with  $|z_1| = |z_2|$ , then which of the following is/are correct?

- I.  $z_1 = z_2$   
 II. Real part of  $z_1 =$  Real part of  $z_2$   
 III. Imaginary part of  $z_1 =$  Imaginary part of  $z_2$

Select the correct answer using the code given below

- a) Only I                              b) Only II  
 c) Only III                            d) None of these

34. The 5<sup>th</sup> term in the expansion of  $\left( \frac{2x}{3} - \frac{3}{2x} \right)^6$  is:

- a)  $-45x^2$                               b)  $-\frac{45}{2}x^3$   
 c)  $-\frac{135}{4}x^3$                                 d)  $\frac{135}{4}x^{-2}$

35. If  $x$  is acute, then  $\sqrt{\frac{1 + \sin x}{1 - \sin x}}$  ?

- a)  $\sec x + \tan x$                       b)  $\operatorname{cosec} x + \cot x$   
 c)  $\sec x + \operatorname{cosec} x$                 d)  $\tan x + \cot x$

36.  $\left( \frac{\sin^3 \theta + \cos^3 \theta}{\sin \theta + \cos \theta} + \frac{\cos^3 \theta - \sin^3 \theta}{\cos \theta - \sin \theta} \right) = ?$

- a) 2                                      b) 1  
 c) 0                                      d) None of these

37. The sides of  $\Delta ABC$  are 7 cm,  $4\sqrt{3}$  cm and  $\sqrt{13}$  cm. the smallest angle is:

- a)  $20^\circ$                                 b)  $36^\circ$   
 c)  $45^\circ$                                 d)  $30^\circ$

38. The angles of  $\Delta ABC$  are in AP. And  $b : c = \sqrt{3} : \sqrt{2}$  then,  $\angle A = ?$

- a)  $45^\circ$                                 b)  $60^\circ$   
 c)  $75^\circ$                                 d)  $90^\circ$

39. The diagonals of a quadrilateral ABCD the lines  $x + 3y = 4$  and  $6x - 2y = 7$  Then, ABCD must be a

- a) rectangle                        b) parallelogram  
 c) cyclic quadrilateral      d) rhombus

40. What is the distance between the lines  $3x + 4y = 9$  and  $6x + 8y = 18$ ?

- a) 0                                      b) 3 units  
 c) 9 units                              d) 18 units

41. Which one of the following point lies inside a circle of radius 6 and centre at (3,5)?

- a)  $(-2, -1)$                         b)  $(0, 1)$   
 c)  $(-1, -2)$                         d)  $(2, -1)$

42. A circle is drawn with the two foci of an ellipse  $\frac{x^2}{a^2} + \frac{y^2}{b^2} = 1$  at the end of the diameter. What is the equation of the circle?

- a)  $x^2 + y^2 = a^2 + b^2$   
 b)  $x^2 + y^2 = a^2 - b^2$   
 c)  $x^2 + y^2 = 2(a^2 + b^2)$   
 d)  $x^2 + y^2 = 2(a^2 - b^2)$

43. What is the eccentricity of the conic  $4x^2 + 9y^2 = 144$ ?

- a)  $\frac{\sqrt{5}}{3}$                                       b)  $\frac{\sqrt{5}}{4}$   
 c)  $\frac{3}{\sqrt{5}}$                                     d)  $\frac{2}{3}$

44. If  $y = \frac{1}{\log_{10} x}$ , then what is  $\frac{dy}{dx}$  equal to?

- a)  $x$                                       b)  $x \log_e 10$   
 c)  $-\frac{(\log_x 10)^2 (\log_{10} e)}{x}$   
 d)  $x \log_{10} e$

45. If  $s = \sqrt{t^2 + 1}$ , then  $\frac{d^2 s}{dt^2}$  is equal to

- a)  $\frac{1}{s}$                                       b)  $\frac{1}{s^2}$   
 c)  $\frac{1}{s^3}$                                     d)  $\frac{1}{s^4}$

46. If  $f(x) = \sin^2 x^2$ , then what is  $f'(x)$  equal to?

- a)  $4x \sin(x^2) \cos(x^2)$   
 b)  $2 \sin(x^2) \cos(x^2)$   
 c)  $4 \sin(x^2) \sin^2 x$   
 d)  $2x \cos^2(x^2)$

47.  $\int_0^a \frac{dx}{x + \sqrt{a^2 - x^2}}$  is equal to

- a)  $\frac{\pi}{4}$                       b)  $\frac{\pi}{2}$   
 c)  $\pi$                         d)  $\frac{\pi}{3}$

48. If  $I_1 = \int_0^{3\pi} f(\cos^2 x) dx$  and  $I_2 = \int_0^{\pi} f(\cos^2 x) dx$ ,  
 then

- a)  $I_1 = I_2$                       b)  $I_1 = 2I_2$   
 c)  $I_1 = 5I_2$                       d)  $I_1 = 2I_2$

49. Evaluate  $\int \frac{\sin x dx}{(1 + \cos x)(2 + \cos x)}$

- a)  $\log \frac{(1 + \cos x)}{(2 + \cos x)} + c$     b)  $\log \frac{(2 + \cos x)}{(1 + \cos x)} + c$   
 c)  $\log \frac{(1 + \sin x)}{(2 + \sin x)} + c$     d)  $\log \frac{(2 + \sin x)}{(2 + \sin x)} + c$

50.  $\lim_{x \rightarrow 0} \left( \frac{2x}{\sqrt{a+x} - \sqrt{a-x}} \right) = ?$

- a) 0                                      b)  $\frac{2}{\sqrt{a}}$   
 c)  $2\sqrt{a}$                               d) None of these

## ENGLISH

51. A sentence has been subdivided into six parts. The first and the last parts are numbered 1 and 6 respectively and the remaining four parts are marked P, Q, R and S which have been jumbled up. Rearrange these parts to make a meaningful sentence without changing the first and last part.

1. Sometimes I think that  
 P. remembrance of suffering are  
 Q. to put ourselves in touch  
 R. the only means we have  
 S. search for suffering and the  
 6. with the whole human condition  
 a) PSRQ                      b) SRPQ  
 c) SPRQ                      d) RSPQ

52. Fill in the blank from the options provided.

Although most adopted children want the right to know who their natural parents are, some who have found them wish that they..... the experience of meeting.

- a) hadn't                      b) didn't have had  
 c) hadn't had                      d) hadn't have

53. Choose the one which best expresses the meaning of the phrase.

To be at cross-purpose.

- a) miss each other  
 b) work against each other  
 c) dislike each other  
 d) misunderstand each other

54. Choose the word which is most nearly the same in meaning as the word given below.

CULPABLE:

- a) Correct                      b) Guilty  
 c) Right                        d) Innocent

55. Out of the four alternatives, choose the one which best expresses the meaning of the given word.

VOCATION

- a) Hobby                        b) Holiday  
 c) Idea                            d) Profession

56. Which of the words indicated with a, b, c, d should replace the word which is underlined to make the sentence most effective and meaningful?

Young men and women should get habituated to reading and writing about current affairs.

- a) prepared                      b) trained  
 c) used                            d) No improvement

57. Fill in the blank from the alternatives to make the sentence most effective and meaningful. Disarmament and development in our time are..... interrelated but .....development will depend on a change in the world's political thinking.

- a) essentially, true  
 b) naturally, final  
 c) closely, real  
 d) inevitably, substantial

58. Fill in the blank from the alternatives given.

Please vote for the person ..... has done the most for our town.

- a) whom you believe
- b) who you believed
- c) that you believe
- d) who you believe

59. Pick up the correct word to fill in the blank.

He will prove to be.....to the throne.

- a) honest heir                      b) a honest heir
- c) an honest heir                d) the honest heir

60. Read the sentence and find if there is any grammatical error in it. If there is an error, mark the concerned part.

My brother-in-law with his wife(a)/now is in Hong Kong (b)/were present at the function(c)/No error(d).

61. Which one of the following alternatives should replace the underlined part of the sentence in order to improve the sentence?

On seeing the lion she felt too much afraid.

- a) much                                b) very much
- c) very                                 d) No improvement

62. Choose the word which is opposite in meaning to the word given below:

**ADMONITION:**

- a) Warning                            b) Threat
- c) Fear                                 d) Request

63. Decide which sentence is preferable one with respect to grammar and usage.

- a) If you would have told me that you were in Delhi I would have certainly Contacted you instead of getting bored there.
- b) If you would have told me that you were in Delhi I had certainly contacted you instead of getting bored there.
- c) If you had told me that you were in Delhi I would have certainly contacted you instead of getting bored there.
- d) If you had told me that you were in Delhi I had certainly contacted you instead of getting bored there.

64. Out of the four alternatives, choose the one that is opposite in meaning to the given word.

**ACCUMULATE:**

- a) Gather                              b) Together
- c) Enough                             d) Scatter

65. Fill in the blank space by the best suitable alternative.

My .... is that hard work pays.

- a) conviction                        b) hope
- c) Faith                                d) expectation

66. Fill in the blank space by the best suitable alternative.

I worked at the front desk of a luxury hotel. One week end a man approached and.....our family package rates.

- a) asked for                         b) asked about
- c) asked if                            d) enquired

**Direction (Qns 67-71):-** Read the passage carefully and answer the questions given below it, on the basis of what is said or implied

The word "adventure" embraces a company of great words, including courage, tenacity, selflessness and faith, but its most potent ingredient cannot be expressed in one word. It is the spirit that urges men to volunteer to undertake hazardous tasks. For adventure implies the readiness and desire to embark on a course of action that entails risk.

A young child may display an instinct for adventure by climbing out of his play-pen to explore the mysteries of the nursery, but this kind of adventure is hardly laudable because the child has not yet sufficient reasoning power to realise the potential risk in such an action.

As we grow older, however, the spirit of adventure tends to be restrained by caution; the fire is often smothered by reason, which gives warning of impending dangers and coldly counsels safety first. Yet in some men the urge for adventure may be so strong that it overwhelms the primary instinct of self-preservation and inspires them to attempt the impossible, to reach out for the unattainable.

67. What other words does the word "adventure" embrace?

- a) Courage, tenacity, selflessness and faith are some of the words embracing 'adventure'.
- b) No word can actually bring out the real sense and spirit that adventure implies.
- c) Adventure embraces the quality of being disconted with what you have.
- d) Adventure means inner power of oneself.

68. What is adventure's most potent ingredient?

- a) A spirit undaunted by threatening dangers, a spirit that spurs one to action voluntarily and to pursue treks untrodden and inhospitable.
- b) A spirit that drives people to volunteer to undertake tasks where there is no danger or difficulty.
- c) Fearlessness is the most important ingredient of adventure.
- d) A throttle that makes people achieve the unachievable.

69. Why is the action of the child in climbing out of his play-pen not laudable?

- a) It is not laudable because though it is a spirit of adventure that is behind his action; he has no capacity to see the danger involved and



no reasoning power to devise means of protecting himself.

- b) It is not laudable because, after all it is a child who cannot even walk.
- c) It is not laudable for, if we appreciate, he will do more such foolish things and endanger himself.
- d) At an early age children are more volatile towards danger.

**70. What happens as we grow older?**

- a) When we grow older, we become weak and refrain ourselves from big adventures.
- b) When we grow old we become more timid and less adventurous.
- c) When we grow old, our power of reasoning will come into full play, sends warning signals at every ensuing danger and cautions us to restrain and counsels us of safety first, with the result the spirit of adventure finally becomes weak and dies.
- d) As we grow older our mind more conscious towards danger.

**71. What is the effect of the urge for adventure in some men?**

- a) In some, the spirit of adventure is unquenchable. They become slaves to it and venture to undertake foolish and dangerous acts.
- b) The urge for adventure in some, silences the instinct of self-preservation and inspires them to attempt the impossible and to reach out for the unattainable.
- c) The urge for adventure in some men encourages them to try something which they know they will never achieve.
- d) The urge for adventures in some men makes them blind for greed.

**Directions: Qns(72-73) In the following questions, a sentence has been given in direct/indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in indirect/direct speech.**

**72. Darwin said that humans have evolved from apes.**

- a) Darwin said, "Humans had evolved from apes."

- b) Darwin said, "Humans have evolved from apes."
- c) Darwin stated that humans could have evolved from apes.
- d) Darwin mentioned human evolution to be from apes.

**73. The girl said to her mother, "I have been reading since morning".**

- a) The girl said to her mother that she has been reading since morning.
- b) The girl told her mother that she had been reading since morning.
- c) The girl said to her mother that she is reading since morning.
- d) The girl said to her mother that she was reading since morning.

**74. In the following question, a sentence has been given in Active/Passive Voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active Voice.**

- He increased his pace as the sunset approached.**
- a) His pace is increased by him as the sunset approached.
  - b) His pace was increased by him as the sunset approached.
  - c) His pace has increased by him as X the sunset approached.
  - d) His pace has been increased by him as the sunset approached.

**75. In the following question, a sentence has been given in Active/Passive Voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active Voice.**

- The committee is considering action on the bill.**
- a) Action on the bill is considered by the committee.
  - b) Action on the bill was considered by the committee.
  - c) Action on the bill is being considered by the committee.
  - d) Action on the bill was being considered by the committee.

## GENERAL AWARENESS

**76. The Subedar appointed by the Mughals ruled over Orissa. Who was the first Mughal Subedar of Orissa?**

- a) Hashim Khan
- b) Khan-i-Dauran
- c) Bakir Khan
- d) Murshid Kuli Khan

**77. Malspur glacier is located at...**

- a) Hindukush
- b) Alaska
- c) Karakoram Pass
- d) Alps

**78. Agha Khan Cup is associated with...**

- a) Hockey
- b) Football

- c) Cricket                      d) Badminton
79. **Who among the following was not a member of the Constituent Assembly formed in July 1946?**  
 a) Vallabhbhai Patel  
 b) K M Munshi  
 c) J B Kripalani  
 d) Mahatma Gandhi
80. **Arrange the words in a logical sequence and select the right sequence.**  
 1. Probation,                      2. Interview,  
 3. Selection,                      4. Appointment,  
 5. Advertisement,              6. Application  
 a) 5,6, 2, 3, 4, 1              b) 5, 6, 3, 2, 4, 1  
 c) 5, 6, 4, 2, 3, 1              d) 6, 5, 4, 2, 3, 1
81. **Chair : Sit; Plate : Eat, Balance : ?**  
 a) Liquid                      b) Weight  
 c) Article                      d) Body
82. **Hari is taller than Manas but shorter than Surya. Manas is shorter than Ashok but taller than Raghav. Who among them is the shortest in height?**  
 a) Ashok                      b) Manas  
 c) Raghav                      d) Surya
83. **The Finance Commission is appointed by the:**  
 a) President  
 b) Prime Minister  
 c) Council of Ministers  
 d) Parliament
84. **An ad valorem duty is a tax basis of:**  
 a) the price of the commodity  
 b) the value added  
 c) the advertisement expenses  
 d) the unit of the commodity
85. **A growing country is one with...**  
 a) rising GNP at constant prices  
 b) rising GNP at current prices  
 c) constant GNP at constant prices  
 d) None of these
86. **Seasonal contrasts are maximum in :**  
 a) Low altitudes              b) High altitudes  
 c) Mid altitudes              d) Sub tropic
87. **An altimeter is used to measure:**  
 a) The atmospheric pressure.  
 b) The height above the ground.  
 c) The strength of an electric current.  
 d) The difference in hearing.
88. **Before expiry of the term, President of India can be removed from his office by**  
 a) The Prime Minister.  
 b) The Vice President.  
 c) The Chief Justice of Supreme Court.  
 d) Impeachment by the Parliament.
89. **Which Mughal ruler took measures against Sati Pratha ?**  
 a) Jahangir                      b) Akbar  
 c) Humayun                      d) Shah Jahan
90. **The oldest dynasty among the following is the...**  
 a) Mauryan                      b) Nandas  
 c) Pallavas                      d) Guptas
91. **Rearrange the following letters to get meaningful words and find the odd man Out:**  
 a) KITCERC                      b) SSHEC  
 c) LOBFLOAT                      d) YEKHOC
92. **Select the appropriate letter to replace the question mark (?) and continue the series.**  
**H J M Q ? B**  
 a) T                                      b) V  
 c) X                                      d) U
93. **The question contains six sentences followed by four sets of combinations of three. Choose the set in which the statements are logically related:**  
 (a) All snakes are reptiles.  
 (b) All reptiles are not snakes.  
 (c) All reptiles are cold-blooded.  
 (d) All snakes lay eggs.  
 (e) All reptiles lay eggs.  
 (f) Snakes are cold-blooded.  
 a) ade                                      b) bed  
 c) abe                                      d) acf
94. **The first great experiment of Gandhiji in 'Satyagraha' took place in:**  
 a) Champaran                      b) Bardoli  
 c) South Africa                      d) Dandi
95. **When is the joint session of the Lok Sabha and the Rajya Sabha called?**  
 a) When the President desires so  
 b) When there is disagreement between the Lok Sabha and the Rajya Sabha  
 c) When the session of the Parliament commences  
 d) None of these
96. **PM Jan Arogya Yojana was launched in line with which Sustainable Development Goal (SDG)?**  
 a) SDG1                                      b) SDG 3  
 c) SDG 5                                      d) SDG 10
97. **Which business major has decided to buy online grocer Big Basket, and has approved CCI's approval?**  
 a) Reliance Industries  
 b) Adani Group  
 c) Tata Group  
 d) Aditya Birla Group
98. **As per the recent guidelines of the RBI, what is the tenure for which the financial entities must appoint Statutory Auditors?**  
 a) One year                                      b) Two years  
 c) Three years                                      d) Five years

99. Which among the following is an example of Cross selling?

- a) A sales person suggests a product or service to a person who lives in neighbourhood of one of the clients.
- b) A sales person suggests a premium brand of whisky, when the customer is buying a local made liquor.

- c) A person suggests a new product or service to an old client of the company.
- d) A person sales an extensive annual maintenance contract when the customer buys a product.

100. In which year Physical coins and banknotes were introduced for the first time in Euro?

- a) 1995
- b) 2000
- c) 2002
- d) 2005





**A) ANSWER KEY**

1. a)	21. c)	41. a)	61. d)	81. b)
2. a)	22. d)	42. b)	62. d)	82. c)
3. a)	23. b)	43. a)	63. c)	83. a)
4. d)	24. c)	44. c)	64. d)	84. b)
5. a)	25. d)	45. c)	65. c)	85. b)
6. a)	26. d)	46. a)	66. a)	86. c)
7. c)	27. b)	47. a)	67. a)	87. b)
8. b)	28. a)	48. d)	68. a)	88. d)
9. a)	29. b)	49. b)	69. a)	89. b)
10. d)	30. b)	50. c)	70. c)	90. b)
11. c)	31. c)	51. c)	71. b)	91. b)
12. c)	32. a)	52. b)	72. b)	92. b)
13. b)	33. d)	53. d)	73. b)	93. d)
14. a)	34. d)	54. b)	74. b)	94. c)
15. b)	35. a)	55. d)	75. c)	95. b)
16. d)	36. a)	56. c)	76. d)	96. b)
17. b)	37. d)	57. d)	77. b)	97. c)
18. d)	38. c)	58. a)	78. a)	98. c)
19. b)	39. d)	59. c)	79. d)	99. c)
20. a)	40. a)	60. c)	80. a)	100. c)

