


|    |   |                                       |               |                |
|----|---|---------------------------------------|---------------|----------------|
|    | a) $xy < 0$<br>c) $\frac{1}{x} - \frac{1}{y} = 0$   | b) $x + y = 0$<br>d) $x^2 y > 0$      |               |                |
| 8  | If the product of the roots of the equation $x^2 - 3x + k = 10$ is $-2$ then the value of $k$ is  |                                       | 1             |                |
|    | a) $-8$   | b) $12$                               | c) $-2$       | d) $8$         |
| 9  | The quadratic equation $ax^2 + 2x + a = 0$ has two distinct roots, if   |                                       | 1             |                |
|    | a) $a = \pm 1$  | b) $a = 0$                            | c) $a = 0, 1$ | d) $0 = -1, 0$ |
| 10 | $x^2 - 30x + 225 = 0$ have  |                                       | 1             |                |
|    | a) Real roots   | b) No real roots                      |               |                |
|    | c) Real and Equal roots   | d) Real and Distinct roots            |               |                |
| 11 | The $n$ th term of the A.P. $a, 3a, 5a, \dots$ is:  |                                       | 1             |                |
|    | a) $(2n + 1)a$  | b) $(2n - 1)a$                        | c) $na$       | d) $2na$       |
| 12 | The common difference of the A.P. can be  |                                       | 1             |                |
|    | a) only negative  | b) only zero                          |               |                |
|    | c) positive, negative or zero   | d) only positive                      |               |                |
| 13 | Which term of the A.P. $121, 117, 113, \dots$ is its first negative term?   |                                       | 1             |                |
|    | a) $32$   | b) $33$                               | c) $30$       | d) $31$        |
| 14 | $\triangle ABC \sim \triangle DEF$ and the perimeters of $\triangle ABC$ and $\triangle DEF$ are $30$ cm and $18$ cm respectively. If $BC = 9$ cm then $EF = ?$ |                                       | 1             |                |
|    | a) $4.5$ cm   | b) $6.3$ cm                           | c) $7.2$ cm   | d) $5.4$ cm    |
| 15 | The line segments joining the midpoints of the sides of a triangle form four triangles, each of which is  |                                       | 1             |                |
|    | a) an isosceles triangle  | b) an equilateral triangle            |               |                |
|    | c) similar to the original triangle   | d) congruent to the original triangle |               |                |
| 16 | If $P(\frac{a}{3}, 4)$ is the mid-point of the line segment joining the points  |                                       | 1             |                |

|    |  |   |
|----|--|---|
|    | Q ( - 6, 5) and R ( - 2, 3), then the value of a is<br>a) 12                      b) - 12                      c) - 4                      d) - 6  |   |
| 17 | In what ratio does x - axis divide the line segment joining the points A(2, - 3) and B(5, 6)?<br>a) 1 : 2                      b) 3 : 5                      c) 2 : 1                      d) 2 : 3                    | 1 |
| 18 | $\frac{1 - \tan^2 45^\circ}{1 + \tan^2 45^\circ}$<br>a) $\tan 90^\circ$ b) 1                      c) $\sin 45^\circ$ d) 0  | 1 |
| 19 | If $\sin \theta = \frac{\sqrt{3}}{2}$ then $(\operatorname{cosec} \theta + \cot \theta) = ?$<br>a) $\sqrt{2}$ b) $(2 + \sqrt{3})$ c) $2\sqrt{3}$ d) $\sqrt{3}$   | 1 |
| 20 | If $\sin A = \frac{1}{2}$ , then the value of $\cot A$ is<br>a) $\sqrt{3}$ b) $\frac{\sqrt{3}}{2}$ c) $\frac{1}{\sqrt{3}}$ d) 1  | 1 |
| 21 | If $\sin \theta - \cos \theta = 0$ then the value of $(\sin^4 \theta + \cos^4 \theta)$ is<br>a) $\frac{1}{2}$ b) 1                      c) $\frac{3}{4}$ d) $\frac{1}{4}$  | 1 |
| 22 | If a chord of a circle of radius 28 cm makes an angle of $90^\circ$ at the centre, then the area of the major segment is<br>a) $1456 \text{ cm}^2$ b) $1848 \text{ cm}^2$ c) $392 \text{ cm}^2$ d) $2240 \text{ cm}^2$ | 1 |
| 23 | Area of a sector of angle p (in degrees) of a circle with radius R is<br>a) $\frac{p}{360} \times 2\pi R$ b) $\frac{p}{180} \times \pi R^2$ c) $\frac{p}{180} \times 2\pi R$ d) $\frac{p}{720} \times 2\pi R^2$        | 1 |
| 24 | The length of a minute hand of a wall clock is 7 cm. What is the area swept by it in 30 minutes is<br>a) $35 \text{ cm}^2$ b) $63 \text{ cm}^2$ c) $50 \text{ cm}^2$ d) $77 \text{ cm}^2$                              | 1 |
| 25 | The length of an arc that subtends an angle of $24^\circ$ at the centre of a circle with 5 cm radius is  | 1 |

|    |  |   |
|----|--|---|
|    | a) $\frac{3\pi}{2}$ cm      b) $\frac{5\pi}{3}$ cm      c) $\frac{\pi}{3}$ cm      d) $\frac{2\pi}{3}$ cm  |   |
| 26 | A cylindrical vessel 32 cm high and 18 cm as the radius of the base, is filled with sand. This bucket is emptied on the ground and a conical heap of sand is formed. If the height of the conical heap is 24 cm, the radius of its base is<br><br>a) 36 cm      b) 24 cm      c) 12 cm      d) 48 cm | 1 |
| 27 | If a marble of radius 2.1 cm is put into a cylindrical cup full of water of radius 5cm and height 6 cm, then how much water flows out of the cylindrical cup?<br><br>a) 38.8 cm <sup>3</sup> b) 471.4 cm <sup>3</sup> c) 19.4 cm <sup>3</sup> d) 55.4 cm <sup>3</sup>                                | 1 |
| 28 | The shape of a gilli in the gilli - danda game is a combination of<br><br><br>a) two cylinders      b) a cone and a cylinder<br>c) two cylinders and a cone      d) two cones and a cylinder                        | 1 |
| 29 | The radii of the base of a cylinder and a cone are in the ratio 3 : 4. If they have their heights in the ratio 2 : 3, the ratio between their volumes is<br><br>a) 9 : 8      b) 3 : 4      c) 8 : 9      d) 4 : 3   | 1 |
| 30 | A sphere of radius 6 cm is dropped into a cylindrical vessel partly filled with water. The radius of the vessel is 8 cm. If the sphere is submerged completely, then the surface of the water rises by<br><br>a) 4.5 cm      b) 4 cm      c) 2 cm      d) 3 cm                                       | 1 |
| 31 | The mean of 'n' observations is $\bar{x}$ . If the first item is increased by 1, second by 2 and so on, then the new mean is:<br><br>a) $\bar{x} - \frac{n-1}{2}$ b) $\bar{x} - \frac{n+1}{2}$ c) $\bar{x} + \frac{n+1}{2}$ d) $\bar{x}$   | 1 |
| 32 | Consider the following table:  | 1 |

| Class interval | 10-14 | 14-18 | 18-22 | 22-26 | 26-30 |
|----------------|-------|-------|-------|-------|-------|
| Frequency      | 5     | 11    | 16    | 25    | 19    |

The mode of the above data is

a) 25          b) 23.5          c) 24.4          d) 24

33 Mode of a data is given by

a)  $l - \left( \frac{f_1 - f_0}{2f_1 - f_0 - f_2} \right) \times h$           b)  $l + \left( \frac{f_0 - f_1}{2f_1 - f_0 - f_2} \right) \times h$

c)  $l + \left( \frac{f_1 - f_0}{2f_1 - f_0 - f_2} \right) \times h$           d)  $h + \left( \frac{f_1 - f_0}{2f_1 - f_0 - f_2} \right) \times l$

34 In the given data if  $n = 44$ ,  $l = 400$ ,  $cf = 8$ ,  $h = 100$ ,  $f = 20$ , then its median is

a) 400          b) 480          c) 470          d) 460

35 A box contains 90 discs, numbered from 1 to 90. If one disc is drawn at random from the box, the probability that it bears a prime number less than 23, is

a)  $\frac{10}{90}$           b)  $\frac{7}{90}$           c)  $\frac{9}{89}$           d)  $\frac{4}{45}$

36 In a single throw of a pair of dice, the probability of getting the sum a perfect square is

a)  $\frac{1}{6}$           b)  $\frac{2}{9}$           c)  $\frac{1}{18}$           d)  $\frac{7}{36}$

37 If the angle between two radii of a circle is  $130^\circ$ , then the angle between the tangents at the end points of radii at their point of intersection is :

(a)  $90^\circ$           (b)  $50^\circ$           (c)  $70^\circ$           (d)  $40^\circ$

38 Two circles of radii 10 cm and 8 cm intersect each other and the length of common chord is 12 cm. The distance between their centres is \_\_\_\_\_.

a)  $(8 + 2\sqrt{7})$  cm          b)  $4\sqrt{7}$  cm          c)  $\sqrt{7}$  cm          d)  $3\sqrt{7}$  cm

39 The angle of depression of a car, standing on the ground, from the top of a 75 m tower, is  $30^\circ$ . The distance of the car from the base of the

|    |  |   |
|----|--|---|
|    | tower (in metres) is<br>a) $25\sqrt{3}$ b) $75\sqrt{3}$ c) 150      d) $50\sqrt{3}$  |   |
| 40 | The angle of elevation of a plane from a point P on the ground is $60^\circ$ . After a flight of 15 seconds, the angle of elevation changes to $30^\circ$ . If the plane is flying at a constant height of $1500\sqrt{3}$ m, then the speed of the plane is<br>a) 800 km/hr      b) 500 km/hr      c) 720 km/hr      d) 640 km/hr  | 1 |
| 41 | Copper displaces which of the following metals from its salt solution:<br>a) $\text{NiSO}_4$ b) $\text{ZnSO}_4$ c) $\text{FeSO}_4$ d) $\text{AgNO}_3$  | 1 |
| 42 | Select endothermic reaction from the following:<br>a) Burning of a candle.      b) Process of respiration.<br>c) Decomposition of vegetable matter into compost.<br>d) Decomposition of calcium carbonate to form quick lime and carbon dioxide.   | 1 |
| 43 | In order to balance the following chemical equation, the values of the coefficients x and y respectively are:<br>$x \text{Pb}(\text{NO}_3)_2 \xrightarrow{\text{Heat}} 2 \text{PbO} + y \text{NO}_2 + \text{O}_2$<br>a) 2, 4      b) 2, 3      c) 2, 2      d) 4, 2  | 1 |
| 44 | A student added zinc granules to copper sulphate solution taken in a test tube. Out of the following, the correct observations made by the student will be<br>1. Zinc granules have no regular shape.<br>2. Zinc granules have silvery grey colour.<br>3. The colour of zinc granules changed to brownish - black.<br>a) 3 only      b) 2 only      c) 1 only      d) All of these | 1 |
| 45 | $\text{NaOH}$ is an example of a<br>a) base      b) alkali      c) salt      d) compound   | 1 |

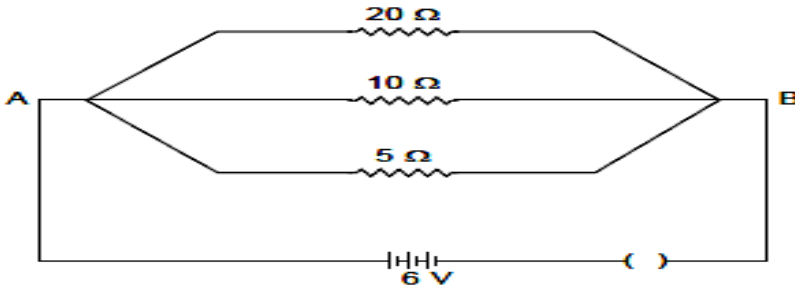
| 46       | <p>There are four solutions A, B, C, and D with pH values as follows:</p> <table border="1" data-bbox="256 232 783 327"> <thead> <tr> <th>Solution</th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> </thead> <tbody> <tr> <td>pH</td> <td>2.0</td> <td>7.0</td> <td>8.0</td> <td>12.0</td> </tr> </tbody> </table> <p>Which solution(s) would liberate hydrogen gas with zinc?</p> <p>a) D only      b) A and D      c) A only      d) B and C</p> | Solution | A   | B    | C | D | pH | 2.0 | 7.0 | 8.0 | 12.0 | 1 |
|----------|--|----------|-----|------|---|---|----|-----|-----|-----|------|---|
| Solution | A  | B        | C   | D    |   |   |    |     |     |     |      |   |
| pH       | 2.0  | 7.0      | 8.0 | 12.0 |   |   |    |     |     |     |      |   |
| 47       | <p>During the preparation of hydrogen chloride gas on a humid day, the gas is usually passed through the guard tube containing calcium chloride. The role of calcium chloride taken in the guard tube is to</p> <p>a) Absorb moisture from the gas      b) Absorb the evolved gas<br/>c) Absorb Cl<sup>-</sup> ions from the evolved gas      d) Moisten the gas</p>   | 1        |     |      |   |   |    |     |     |     |      |   |
| 48       | <p>What happens when two drops of phenolphthalein are added to a dilute solution of NaOH?</p> <p>a) solution turns colourless      b) solution turns red<br/>c) solution turns orange      d) solution turns pink</p>  | 1        |     |      |   |   |    |     |     |     |      |   |
| 49       | <p>Which one of the following is metal?</p> <p>a) C      b) N      c) Na      d) O</p>   | 1        |     |      |   |   |    |     |     |     |      |   |
| 50       | <p>Although metals form basic oxides, which of the following metals form an amphoteric oxide?</p> <p>a) Al      b) Cu      c) Na      d) Ca</p>  | 1        |     |      |   |   |    |     |     |     |      |   |
| 51       | <p>Which of the following metals are obtained by electrolysis of their chlorides in molten state</p> <p>i)Na      ii)Ca      iii)Fe      iv)Cu</p> <p>a) (i) and (iv)    b) (iii) and (iv)    c)(i) and (iii)    d) (i) and (ii)</p>   | 1        |     |      |   |   |    |     |     |     |      |   |
| 52       | <p>Latin name for royal water is X. It is a mixture of Y and Z in the ratio 3 : 1 . Some of the properties of X are different from Y and Z. What are X, Y and Z respectively?</p> <p>a) H<sub>2</sub>SO<sub>4</sub> , H<sub>2</sub>S, SO<sub>3</sub>      b) Aqua regia, HCl, HNO<sub>3</sub></p>  | 1        |     |      |   |   |    |     |     |     |      |   |

|    |   |   |                        |
|----|---|---|------------------------|
|    | c) Aqua regia, $\text{HNO}_3$ , $\text{HCl}$  | d) $\text{H}_2\text{SO}_4$ , $\text{H}_2\text{O}$ , $\text{SO}_2$ |                        |
| 53 | When iron nail is placed in copper sulphate solution for a few hours the blue colour of solution will           |   | 1                      |
|    | a) Remain blue  | b) Change to colourless   |                        |
|    | c) Change to pink   | d) Change to green  |                        |
| 54 | Temporary mount of a leaf peel is prepared in:  |   | 1                      |
|    | a) Dilute glycerine   | b) 70% alcohol  | c) Nail polish         |
|    |   |   | d) Canada Balsam       |
| 55 | The process of photosynthesis occurs in:  |   | 1                      |
|    | a) Dark   | b) Infrared radiation   | c) UV radiation        |
|    |   |   | d) Visible light       |
| 56 | The inner lining of stomach is protected by one of the following from hydrochloric acid. Choose the correct one |   | 1                      |
|    | a) Salivary amylase   | b) Pepsin   | c) Mucus               |
|    |   |   | d) Bile                |
| 57 | Which part of the brain is concerned with muscular coordination in the body?                                    |   | 1                      |
|    | a) Temporal lobe  | b) Cerebellum   | c) Pons                |
|    |   |   | d) Parietal lobe       |
| 58 | Diabetes mellitus is caused by a deficiency of:   |   | 1                      |
|    | a) Glucagon   | b) Insulin  | c) Thyroxin            |
|    |   |   | d) Adrenaline          |
| 59 | In plants the role of cytokinin is:   |   | 1                      |
|    | a) Wilting of leaves.   | b) Promote the opening of stomatal pore.                          |                        |
|    | c) Help in the growth of stem.  | d) Promote cell division.   |                        |
| 60 | Characters transmitted from parents to offspring are present in   |   | 1                      |
|    | a) Cytoplasm  | b) Genes  | c) Ribosome            |
|    |   |   | d) Golgi bodies        |
| 61 | In the list of organisms given below, those that reproduce by the asexual method are                            |   | 1                      |
|    | i) Banana   | ii) Dog   | iii) Yeast             |
|    |   |   | iv) Amoeba             |
|    | a) (i) and (iv)   | b) (ii), (iii) and (iv)   | c) (ii) and (iv)       |
|    |   |   | d) (i), (iii) and (iv) |

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| 62 | The number of chromosomes in parents and offsprings of a particular species undergoing sexual reproduction remain constant due to:<br>a) halving of chromosomes after zygote formation.<br>b) doubling of chromosomes after zygote formation.<br>c) halving of chromosomes at the time of gamete formation.<br>d) doubling of chromosomes before gamete formation. | 1 |
| 63 | A Yeast cell in which budding occurs, it can have<br>a) One bud cell<br>b) Two bud cell<br>c) A chain of bud cells<br>d) Three bud cell  | 1 |
| 64 | A cross between a tall plant (TT) and short pea plant (tt) resulted in progeny that were all tall plants because<br>a) height of pea plant is not governed by gene 'T' or 't'<br>b) tallness is the recessive trait<br>c) shortness is the dominant trait<br>d) tallness is the dominant trait   | 1 |
| 65 | Which of the following was not the outcome of Mendel's experiments?<br>a) Factors reside in chromosomes<br>b) Segregation of factors<br>c) Dominant trait<br>d) Independent assortment   | 1 |
| 66 | Who is called the father of genetics?<br>a) Stanley and miller b) Gregor Mendel c) Lamarck d) Darwin   | 1 |
| 67 | A cross between pea plant with white flowers (vv) and pea plant with violet flowers (VV) resulted in F <sub>2</sub> progeny in which ratio of violet (VV) and white (vv) flowers will be:<br>a) 1 : 1      b) 1 : 3      c) 2 : 1      d) 3 : 1  | 1 |
| 68 | What is not a characteristic of a rearview mirror in a car?  | 1 |



|    |  |   |
|----|--|---|
|    | <p>a) They give a virtual image    b) Convex in nature</p> <p>c) Concave in nature    d) They have wider field of coverage</p>   |   |
| 69 | <p>On covering a portion of a lens with a black sheet:</p> <p>a) size depending on the coverage area</p> <p>b) a full image is formed</p> <p>c) full image of reduced brightness is formed</p> <p>d) full image of increased brightness is formed</p>  | 1 |
| 70 | <p>An object is placed in front of a convex mirror at infinity. According to the New Cartesian Sign Convention, the sign of the focal length and the sign of the image distance in this case are respectively:</p> <p>a) +, -                          b) +, +                          c) - , -                          d) - , +</p> | 1 |
| 71 | <p>Which of the following phenomena contributes significantly to the reddish appearance of the sun at sunrise or sunset?</p> <p>a) Scattering of light                          b) Total internal reflection of light</p> <p>c) Dispersion of light                          d) Reflection of light from the earth</p>                 | 1 |
| 72 | <p>The light - sensitive cell present on the retina and is sensitive to the intensity of light is:</p> <p>a) Cones                          b) Rods                          c) Both rods and cones                          d) None of these</p>  | 1 |
| 73 | <p>Which one of the following is the correct reason for twinkling of stars?</p> <p>a) Scattering of starlight                          b) Atmospheric reflection of starlight</p> <p>c) Dispersion of starlight                          d) Atmospheric refraction of starlight</p>  | 1 |
| 74 | <p>The SI unit of energy is:</p> <p>a) Ohm - meter                          b) Joule                          c) Watt                          d) Coulomb</p>  | 1 |
| 75 | <p>If R1 and R2 be the resistance of the filament of 40 W and 60 W respectively operating 220 V, then</p> <p>(a) <math>R1 &lt; R2</math>                          (b) <math>R2 &lt; R1</math>                          (c) <math>R1 = R2</math>                          (d) <math>R1 \geq R2</math></p>                               | 1 |
| 76 | <p>The current flowing through the 10 <math>\Omega</math> resistor in the following circuit</p>  | 1 |

|    |  |   |
|----|--|---|
|    | <p>is</p>  <p>(a) 1.2 A      (b) 0.6 A      (c) 0.2 A      (d) 2.0 A</p>   |   |
| 77 | <p>The unit for measuring potential difference is:</p> <p>a) kWh                      b) Volt                      c) Ohm                      d) Watt</p>   | 1 |
| 78 | <p>An electron beam is moving vertically upwards if it passes through a magnetic field which is directed from south to north in a horizontal plane then in which direction will the beam be deflected?</p> <p>a) towards south      b) towards north      c) towards west      d) towards east</p> | 1 |
| 79 | <p>The magnetic field strength of a solenoid can be increased by inserting:</p> <p>a) A wooden piece into it    b) An iron piece into it<br/>c) A glass piece into it    d) Paper roll into it</p>     | 1 |
| 80 | <p>The magnetic field lines due to straight wire carrying a current are</p> <p>a) Parabolic                      b) Straight                      c) Circular                      d) Elliptical</p>   | 1 |
| 81 | <p>Which one of the following countries adopted multi - party system?</p> <p>a) United Kingdom      b) China                      c) India                      d) USA</p>   | 1 |
| 82 | <p>Which party believes in Marxism - Leninism, secularism, and democracy?</p> <p>a) Bharatiya Janata Party (BJP)      b) Indian National Congress (INC)<br/>c) Nationalist Congress Party, NCP      d) Communist Party of India (CPI)</p>  | 1 |
| 83 | <p>Which of the following is not a component of political party?</p> <p>a) common man    b) followers<br/>c) leaders    d) active members</p>  | 1 |

|    |   |   |
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| 84 | Which one of the following countries has two party system?<br>a) America    b) India    c) China    d) Russia   | 1 |
| 85 | More than 750 parties are registered with the _____.<br>a) Electrol Commission of India    b) Indian Election Commission<br>c) Election Commissioner of India    d) Election Commission of India  | 1 |
| 86 | Which South Asian country has a democratic government since independence?<br>a) India    b) Pakistan    c) Bangladesh    d) Nepal   | 1 |
| 87 | It is the dilemma we are facing regarding democracy:<br>a) It is not understandable by many of the people<br>b) In principle, democracy looks good but in practical it's not so good<br>c) It creates confusion among us<br>d) It never appreciates the efforts rightly | 1 |
| 88 | What was the rate of economic growth for poor countries under democracy in 1950 - 2000?<br>a) 4.34%    b) 4.28%    c) 3.95%    d) 4.42%   | 1 |
| 89 | Which one of the following is the most popular form of government in the contemporary world?<br>a) Military Government    b) Dictatorial Government<br>c) Constitutional Monarchy    d) Democratic Government   | 1 |
| 90 | The multi-party system often appears very<br>a) messy    b) easy    c) both (a) and (b)    d) none of these   | 1 |
| 91 | Poor are unable to get bank loans because of:<br>a) high rates of interest    b) lack of trust on banks<br>c) absence of collateral    d) complex procedure   | 1 |
| 92 | What is the debt trap?  | 1 |

|    |   |   |
|----|---|---|
|    | <p>a) A situation from which recovery is not possible</p> <p>b) Everyone constantly needs loans</p> <p>c) The bank is unable to collect the loan amount</p> <p>d) Everyone is able to repay their debts</p>   |   |
| 93 | <p>Banks in India hold about 15% of deposits as cash as the provision:</p> <p>a) to maintain ATM'S</p> <p>b) to distribute the money as charity</p> <p>c) to pay depositors who come to withdraw their money</p> <p>d) to pay the staff's salaries</p>    | 1 |
| 94 | <p>What is a cheque?</p> <p>a) Paper making payment</p> <p>b) A term of credit</p> <p>c) Paper instructing the bank to pay a specific amount</p> <p>d) Collateral</p>   | 1 |
| 95 | <p>What is a demand deposit?</p> <p>a) The customer never demands for the deposit in a bank</p> <p>b) The bank demands for the deposit</p> <p>c) The bank doesn't demand for deposit</p> <p>d) Deposit in the bank account can be withdrawn on demand</p> | 1 |
| 96 | <p>Globalisation has made India a:</p> <p>a) open market</p> <p>b) Sellers market</p> <p>c) Buyers market</p> <p>d) Monopoly market</p>   | 1 |
| 97 | <p>Improvement in transport has helped in promotion of</p> <p>a) globalisation b) liberalisation c) privatisation d) none of these</p>  | 1 |
| 98 | <p>Globalization has led to improvement in living conditions:</p> <p>a) of workers in the developing countries</p> <p>b) None of these</p> <p>c) of people in the developed countries</p> <p>d) of all the people</p>                                     | 1 |



|     |   |   |
|-----|---|---|
|     | d) United Nations Financial and Monetary Conference   |   |
| 105 | Which of the following country was not exporting food grain to Britain?<br>a) Russia                      b) China                      c) America                      d) Australia  | 1 |
| 106 | Over 50 percent of workers in the Bombay cotton industries in 1911 came from which neighbouring district?<br>a) Ratlam                      b) Andher                      c) Thane                      d) Ratnagiri                     | 1 |
| 107 | What is Bourgeoisie?<br>a) middle class    b) Nobles                      c) Lower middle class    d) Labourers   | 1 |
| 108 | After the first world war which country could never recapture its old position in the Indian market?<br>a) USA                      b) Japan                      c) Germany                      d) Manchester                           | 1 |
| 109 | _____ means an Indian soldier in the service of the British.<br>a) Sepoy                      b) Dasas                      c) Slaves                      d) Peons   | 1 |
| 110 | _____ was accumulated through various trade networks.<br>a) Capital                      b) Machines                      c) Land                      d) Labourers   | 1 |
| 111 | Why is Natural gas considered as an environment friendly fuel?<br>a) because of low carbon dioxide emissions<br>b) because of high carbon dioxide emissions<br>c) because of low Oxygen emissions<br>d) because of low hydrogen emissions | 1 |
| 112 | Which one of the following is an example of the Ferrous Metal?<br>a) Copper                      b) Nickel                      c) Tin                      d) Bauxite  | 1 |
| 113 | How many major iron belts are in India?<br>a) four                      b) five                      c) three                      d) six   | 1 |
| 114 | _____ is the finest iron ore with a very high content of iron up to   | 1 |

|     |  |   |
|-----|--|---|
|     | 70 percent.<br>a) Anthracite      b) Magnetite      c) Hematite      d) Lignite  |   |
| 115 | In which of the following States is Kalpakkam Nuclear Power Plant located?<br>a) Kerala      b) Tamil Nadu      c) Odisha      d) Gujarat  | 1 |
| 116 | Which of the following group of factors is a prime group for the location of the aluminum smelting plant?<br>a) Labour and Raw material      b) Raw material and Electricity<br>c) Capital and Market      d) Capital and Transport                      | 1 |
| 117 | Choose the correct option:<br>1. Chandrapur thermal power plant - Odisha<br>2. Mayurbhanj iron ore mines - Amarkantak<br>3. Kalol oil fields - Gujarat<br>4. Bauxite mines - Assam<br>a) Both 1 and 3      b) Only 2      c) Only 3      d) All of these | 1 |
| 118 | Which of the following is an electronics industry?<br>a) BHEL, Hyderabad      b) TISCO, Jamshedpur<br>c) BALCO, Korba      d) HMT, Bengaluru   | 1 |
| 119 | Which one of the following agencies markets steel for the public sector plants?<br>a) MNCC      b) SAIL      c) TATA Steel      d) HAIL  | 1 |
| 120 | Where was the first textile mill established?<br>a) Mumbai      b) Kolkata      c) Lucknow      d) Gujarat   | 1 |