NATIONAL TALENT SEARCH EXAMINATION (NTSE-2020) STAGE -1

STATE : JHARKHAND PAPER : SAT

Date: 17/11/2019

Max. Marks: 100 **SOLUTIONS** **Time allowed: 120 mins**

1. Which of the following terms does not represent electrical power in a circuit ?

(1) I^2R (2) IR^2 (3) VI (4) V^2/R

Ans. **(2)**

Sol. Since $P = I^2R \ \therefore P = VI \Rightarrow P = V^2/R$.

2. For a steady current I, the amount of heat H produced in time t is

(1) IR^2t (2) IRt^2 (3) I^2Rt (4) I^2R^2t

Ans. **(3)**

Sol. According to Joules law of heating $H = I^2Rt$.

3. What phenomenon of light causes the blue colour of the sky and the redding of the sun at sunrise or A sunset ?

(1) Reflection (2) Refraction (3) Scattering (4)Total internal reflection

Ans. **(3)**

Sol. Scattering

4. The power of a lens is $-2.5D$. Its focal length is :

(1) –2.5 cm (2) –4 D (3) –40 cm (4) –66.6 cm

Ans. **(3)**

Sol. Since $P = 1/f \Rightarrow -2.5D = 1/f \Rightarrow f = -40$ cm

5. At focus F and between F and 2F, a concave mirror always forms a

(1) real, inverted and magnified image (2) virtual, erect and mangnified

(3) virtual, inverted and diminished image (4) real, erect and diminished

Ans. **(1)**

Sol. Property of ray diagram for concave mirror.

6. What is the magnitude of force F on a charge q moving with a velocity v in a perpendicular magnitude field B ?

(1) $\frac{qB}{v}$ (2) $\frac{vB}{q}$ (3) qvB (4) $\frac{qv}{B}$

Ans. **(3)**

Sol. $F = qvB\sin\theta \ \because \theta = 90° \ \therefore F = qvB$

7. Which of the following is most suitable for the core of electromagnets ?

(1) Air (2) Soft iron (3) Steel (4) Cu-Ni alloy

Ans. **(2)**

8. Magnetic fields do not interact with

(1) electric charges at rest (2) electric charges in motion

(3) permanent magnets at rest (4) permanent magnets in motion

Ans. **(1)**

9. Which of the following is correct?

(1) joule = coulomb × volt (2) joule = coulomb / volt (3) joule = volt / ampere (4) joule = ampere / volt

Ans. **(1)**

Sol. Energy = Charge × volt

10. A body can be negatively charged by

(1) giving some protons to it (2) removing some neutrons from it

(3) giving electrons to it (4) removing some electrons from it

Ans. **(3)**

11. The resistances R_1 and R_2 are connected in parallel. The equivalent resistance of the combination is :

(1) $R_1 + R_2$ (2) $R_1 - R_2$ (3) $\frac{R_1 R_2}{R_1 + R_2}$ (4) $\frac{R_1 + R_2}{R_1 R_2}$

Ans. **(3)**

Sol. $\frac{1}{R_{eq}} = \frac{1}{R_1} + \frac{1}{R_2}$

12. One ampere is synonymous with

(1) Cs^{-1} (2) JC (3) JC^{-1} (4) NC^{-1}

Ans. **(1)**

Sol. $I = \frac{Q}{T}$

13. The ratio of the focal length of spherical mirror to its radius of curvature is :

(1) 0.5 (2) 1 (3) 2 (4) 3

Ans. **(1)**

Sol. $F = \frac{R}{2} \Rightarrow \frac{F}{R} = 0.5$

14. $Fe_2O_3 + 2Al \rightarrow Al_2O_3 + 2Fe$. The above reaction is an example of a :

(1) combination reaction (2) double displacement reaction

(3) decomposition reaction (4) displacement reaction

Ans. **(4)**

Sol. In above reaction aluminum displaces iron from Fe_2O_3 and form Al_2O_3 and Iron.

15. Select the mineral acid from the following :

(1) Acetic acid (2) Citric acid (3) Hydrochloric acid (4) Latic acid

Ans. **(3)**

Sol. HCL is a mineral and other three are organic acid.

16. Which of the following indicators is not an acid-base indicator?

(1) Phenolphthalein (2) Vanilla (3) Litmus (4) Methyl orange

Ans. **(2)**

Sol. Vanilla is known as olfactory indicator as its smell don't get suppress when we add acid but it's smell get suppress when we add base in it.

17. Which of the following methods is used to obtain chlorine and hydrogen from sodium chloride?

(1) Electrolysis (2) Thermal heating (3) Evaporation (4) Electroplating

Ans. **(1)**

Sol. $NaCl(aq) \longrightarrow Na^+(aq) + Cl^-(aq)$

$H_2O \longrightarrow H^+ + OH^-$

At anode : $-2Cl^- \longrightarrow Cl_2 + 2e^-$

At cathode : $-2H^+ + 2e^- \longrightarrow H_2(g)$

Reduciton potential of hydrogen is more than sodium

18. Which of the following metals does not react with dilute hydrochloric acid to liberate hydrogen gas?

(1) Calcium (2) Zinc (3) Iron (4) Silver

Ans. **(4)**

Sol. In Reactivity series, silver is present below the hydrogen. So, it is less reactive than hydrogen and don't displace hydrogen from hydrochloric acid.

19. Which of the following reactions is not a redox reaction?

(1) $Mg + Cl_2 \rightarrow MgCl_2$ (2) $CuO + H_2 \rightarrow Cu + H_2O$

(3) $AgNO_3 + NaCl \rightarrow AgCl + NaNO_3$ (4) $MnO_2 + 4HCl \rightarrow MnCl_2 + 2H_2O + 2Cl_2$

Ans. **(3)**

Sol. Oxidation number of any elements in reaction don't change in products. So it's not a redox reactions.

20. In Aqua regia the ratio of concentrated HCl to concentrated HNO_3 is :

(1) 1 : 3 (2) 3 : 1 (3) 1 : 2 (4) 2 : 1

Ans. **(2)**

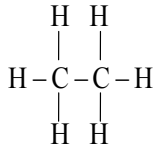
Sol. Aqua regia ia a chemical which dissolves gold and platinum, It's a solution that contains three parts concentrated HCL and one part HNO_3.

21. Ethane, with the molecular formula C_2H_6 has :

(1) 6 covalent bonds (2) 7 covalent bonds (3) 8 covalent bonds (4) 9 covalent bonds

Ans. **(2)**

Sol.



22. Glacial acetic acid is :

(1) an aqueous solution of alcohol (2) vinegar

(3) an aqueous solution of acetic acid (4) 100% pure ethanoic acid

Ans. **(4)**

Sol. Glacial acetic acid is 100% pure ethonic acid that don't contain water .

23. Which of the following is a non-metal and also a solid?

(1) Iodine (2) Mercury (3) Boron (4) Hydrogen

Ans. **(1)**

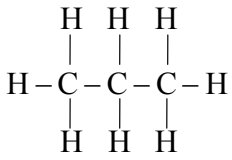
Sol. Iodine is a non metal and it exists in solid state at room temperature.

24. Propane has :

(1) 8 covalent bonds (2) 9 covalent bonds (3) 10 covalent bonds (4) 11 covalent bonds

Ans. **(3)**

Sol.



25. An element has electronic configuration 2, 8, 8, 1. Which statement is not correct about the element ?

(1) It is present in group 3 (2) Its valency is one negative

(3) It is present in group 1 (4) It is present in 4th period

Ans. **(NA)**

Sol. Option number (1) and (2) are not correct.

2,8,8,1 – Electronic configuration. Period no = Valence shell no = 4. Group No = Valence shell electron = 1

Group 1 is a alkali metal and its valency is also +1.

26. The property by which a large number of atoms of the same element get linked through covalent bonds forming long chains is called

(1) catenation (2) polymerisation (3) alltropy (4) addition reaction

Ans. **(1)**

Sol. Catenation means self-linkage property.

27. Saliva contains an enzyme called

(1) Amylase (2) Lypase (3) Pepsin (4) Tripsin

Ans. **(1)**

Sol. Saliva contains salivary amylase which digests starch.

28. Regulation of Respiration is under the control of

(1) Cerebrum (2) Cerebellum (3) Medulla Oblangata (4) Pons

Ans. **(3)**

29. Embryo sac is found in

(1) endosperm (2) embryo (3) ovule (4) seed

Ans. **(3)**

Sol. Embryo sac is formed by transformation of megaspore in ovule.

30. A pair of contrasting character is called

(1) phenotype (2) genotype (3) allele (4) gene

Ans. **(3)**

31. Which of the following is not used as biomass ?

(1) Plant waste (2) wood (3) animal waste (4) human excreta

Ans. **(4)**

32. The green plants in terrestrial ecosystem capture the energy of the sun about

(1) 90% (2) 80% (3) 70% (4) 10 %

Ans. **(4)**

33. The presence of which microorganism in Ganga water indicates contamination

(1) Lactobacillus bacteria (2) Amoeba (3) Coliform bacteria (4) Mucor spores

Ans. **(3)**

34. In which part of the alimentary canal digested food is absorbed ?

(1) Stomach (2) Appendix (3) Large intestine (4) Small Intestine

Ans. **(4)**

35. Which of the following is a plant hormone

(1) Insulin (2) Thyroxine (3) Oestrogen (4) Cytokinin

Ans. **(4)**

36. Pollen grains are produced by

(1) Ovary (2) Petals (3) Seed (4) anther

Ans. **(4)**

37. Chromosomes are made up of

(1) proteins (2) DNA (3) both (1) and (2) (4) RNA

Ans. **(3)**

38. The non-renewable source of energy amongst the following is

(1) coal energy (2) nuclear energy (3) wood (4) wind energy

Ans. **(1)**

39. The structure formed by the union of male and female gametes is termed as

(1) embryo (2) morula (3) zygote (4) placenta

Ans. **(3)**

40. The three R's to save the environment are

(1) Reserve , Reduce, Recycle (2) Reuse , Reserve , Reduce

(3) Reserve, Reuse , Reduce (4) Reduce , Recycle, Reuse

Ans. **(4)**

41. π is :

(1) an irrational number (2) a rational number (3) a prime number (4) a composite number

Ans. **(1)**

Sol. An irrational number

42. The value of $p(x) = x^2 - 3x - 4$ at $x = -1$ is :

(1) 1 (2) -4 (3) 0 (4) -3

Ans. **(3)**

Sol. $p(-1) = (-1)^2 - 3(-1) - 4 = 0$

43. The solution of the equations

$$\frac{x}{a} + \frac{y}{b} = 2$$

$ax - by = a^2 - b^2$ is :

(1) $x=a, y=b$ (2) $x=-a, y=-b$ (3) $x = a,\ y = -b$ (4) $x=-a,\ y=b$

Ans. **(1)**

Sol. $\frac{x}{a} + \frac{y}{b} = 2 \Rightarrow \{bx + ay = 2ab\} \times a$

$\{ax - by = a^2 - b^2\} \times b$

$\Rightarrow (abx - b^2 y) - (abx + a^2 y) = (a^2 b - b^3) - 2a^2 b$

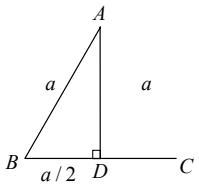
$-y(a^2 + b^2) = -a^2 b - b^3 \quad \Rightarrow -y(a^2 + b^2) = -b(a^2 + b^2) \quad \Rightarrow \; y = b \; \& \; x = a$

44. The height of an equilateral triangle of side a is :

(1) $\frac{a}{2}$ (2) $a\sqrt{3}$ (3) $\frac{a\sqrt{3}}{2}$ (4) $\frac{a\sqrt{3}}{4}$

Ans. **(3)**

Sol.



In ΔABD, using pythagoras theorem $AD^2 = a^2 - \frac{a^2}{4}$

$\therefore AD = \frac{\sqrt{3}a}{2}$.

45. If $\sec\theta + \tan\theta = m$ and $\sec\theta - \tan\theta = n$, then the value of mn is :

(1) 2 (2) 1 (3) ± 1 (4) ± 2

Ans. **(2)**

Sol. $mn = (\sec\theta + \tan\theta)(\sec\theta - \tan\theta) = \sec^2\theta - \tan^2\theta = 1$

46. The mean of first ten odd natural numbers is :

(1) 5 (2) 10 (3) 20 (4) 19

Ans. **(2)**

Sol. Mean $= \frac{1+3+5+7+9+11+13+15+17+19}{10} = 10$

47. The solution of the pair of equations

$x + y = 14$

$x - y = 4$

(1) $x = 9,\ y = 5$ (2) $x = 5,\ y = 9$ (3) $x = 9,\ y = 9$ (4) $x = 5,\ y = 5$

Ans. **(1)**

Sol. $(x + y) + (x - y) = 14 + 4 \;\Rightarrow x = 9 \;\&\; y = 5$

48. Sum of the first n terms of the series $\sqrt{2} + \sqrt{8} + \sqrt{18} + \ldots$ is :

(1) $\frac{n(n+1)}{2}$ (2) $\sqrt{2}n$ (3) $\frac{n(n+1)}{\sqrt{2}}$ (4) 1

Ans. **(3)**

Sol. $\sqrt{2}+2\sqrt{2}+3\sqrt{2}\ldots$

$$S_n=\frac{n}{2}\left[2a+(n-1)d\right]=\frac{n}{2}\left[2.\sqrt{2}+(n-1)\sqrt{2}\right]=\frac{n(n+1)}{\sqrt{2}}$$

49. The area of the triangle whose vertices are $(0,\,0)(a,\,0)$ and $(0,\,b)$ is :

(1) ab (2) $\frac{1}{2}ab$ (3) $a+b$ (4) a^2+b^2

Ans. **(2)**

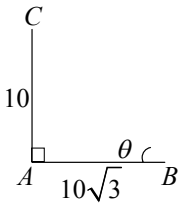
Sol. Area $=\frac{1}{2}\left|\,0(0-b)+a(b-0)+0(0-0)\right|=\frac{1}{2}ab$

50. If the shadow of 10 m high tree is $10\sqrt{3}$ m, then the angle of elevation of sun is :

(1) 60° (2) 90° (3) 45° (4) 30°

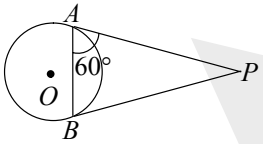
Ans. **(4)**

Sol.



$$\tan\theta=\frac{p}{b}=\frac{10}{10\sqrt{3}}\quad\Rightarrow\ \theta=30°$$

51. In the following figure, the measure of $\angle PBA$ is :



(1) 60° (2) 30° (3) 45° (4) none of these

Ans. **(1)**

Sol. Tangent from external points are equal.

$\therefore\ \Delta ABP$ is isosceles. $\Rightarrow \angle PBA=\angle PAB=60°$

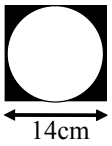
52. A segment AB is divided at a point P such that $\frac{PB}{AB}=\frac{3}{7}$, then the ratio of $AP:PB$ is :

(1) 4 : 7 (2) 7 : 4 (3) 7 : 3 (4) 4 : 3

Ans. **(4)**

Sol. $\frac{PB}{AB}=\frac{3}{7} \Rightarrow \frac{AB}{PB}=\frac{7}{3} \Rightarrow \frac{AP+BP}{BP}=\frac{7}{3} \Rightarrow \frac{AP}{PB}+1=\frac{7}{3} \Rightarrow \frac{AP}{PB}=\frac{4}{3}$

53. A square is circumscribing a circle. The side of the square is 14 cm. The area of the square not included in the circle is :



(1) $21\ cm^2$ (2) $42\ cm^2$ (3) $48\ cm^2$ (4) $196\ cm^2$

Ans. **(2)**

Sol. Required area = area of square - area of circle.

$\Rightarrow 14^2-\pi(7)^2=42\,cm^2$.

54. By melting a solid sphere of radius 5 cm a solid right circular cone of the same circular base is made. The height of the cone is :

(1) 20 cm (2) 10 cm (3) 5 cm (4) 12 cm

Ans. **(1)**

Sol. Volume of sphere = volume of cone.

$\Rightarrow \frac{4}{3}\pi r^3=\frac{1}{3}\pi R^2 h \quad \Rightarrow h=20\ cm$

55. Two friends were born in the year 2000. The probability that they have the same birth date is :

(1) $\frac{1}{2000}$ (2) $\frac{2}{365}$ (3) $\frac{1}{365}$ (4) $\frac{1}{366}$

Ans. **(4)**

Sol. Year 2000 is a leap year $\therefore$ It consist of 366 days.

$\Rightarrow n(s)=366$ and $n(E)=1$.

$P(E)=\frac{n(E)}{n(s)}=\frac{1}{366}$

56. If $3x+y=10$ and $y=4$, then the value of x is :

(1) 0 (2) 1 (3) 2 (4) 3

Ans. **(3)**

Sol. $3x+4=10 \Rightarrow x=2$.

57. $\frac{\sin\theta}{1+\cos\theta}$ is :

(1) $\frac{\cos\theta}{1-\sin\theta}$ (2) $\frac{1-\cos\theta}{\sin\theta}$ (3) $\frac{1-\sin\theta}{\cos\theta}$ (4) $\frac{1-\cos\theta}{1+\cos\theta}$

Ans. **(2)**

Sol. $\frac{\sin\theta}{1+\cos\theta} = \frac{\sin\theta}{1+\cos\theta}\times\frac{1-\cos\theta}{1-\cos\theta} = \frac{\sin\theta(1-\cos\theta)}{1-\cos^2\theta} = \frac{\sin\theta(1-\cos\theta)}{\sin^2\theta} = \frac{1-\cos\theta}{\sin\theta}$.

58. The area swept out by a horse tied in a rectangular grass field with a rope 8 m long is :

(1) $16\pi^2\ m^2$ (2) $64\pi\ m^2$ (3) $48\pi\ m^2$ (4) $32\pi\ m^2$

Ans. **(1)**

Sol.

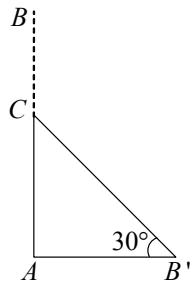
Area swept = area of quadrant = $\frac{1}{4}\pi r^2 = 16\pi\ m^2$

59. A tree breaks into two parts due to heavy wind such that the upper part makes an angle of 30° with the plane. The place where the upper part of the tree touches the ground is at a distance of 10 m from the base point of the tree. The height of the tree is :

(1) $10\sqrt{3}\ m$ (2) $10\sqrt{2}\ m$ (3) $\frac{10}{\sqrt{3}}\ m$ (4) $5\sqrt{2}\ m$

Ans. **(1)**

Sol.



$\tan 30° = \frac{p}{b} \Rightarrow \frac{1}{\sqrt{3}} = \frac{AC}{10} \Rightarrow AC = \frac{10}{\sqrt{3}}$

$\sin 30° = \frac{p}{h} \Rightarrow \frac{1}{2} = \frac{10}{BC\sqrt{3}} \Rightarrow BC = \frac{20}{\sqrt{3}}$

Height $= AC + BC \Rightarrow \frac{10}{\sqrt{3}} + \frac{20}{\sqrt{3}} \Rightarrow 10\sqrt{3}\ m$

60. If the perimeter and the area of a circle equal numerically, then the diameter of the circle is :

(1) 2 units (2) π units (3) 4 units (4) 7 units

Ans. **(1)**

Sol. Perimeter of circle = area of circle $\Rightarrow 2\pi r = \pi r^2 \Rightarrow r = 2$ units.

61. Who was responsible for the unification of Germany ?

(1) Bismarck (2) Garibaldi (3) Cavour (4) Mazzini

Ans. **(1)**

Sol. Bismarck was the architect of unification of Germany with the help of Prussian army.

62. Printing press first came to India with

(1) the English (2) the French

(3) the Dutch (4)Portuguese missionaries

Ans. **(4)**

Sol. In the mid 16th century by Portuguese in Goa.

63. Champaran Satyagraha (1916) was launched by Gandhiji against

(1) high revenue demands (2) indigo planters (3) mill owners (4) salt tax

Ans. **(2)**

64. Which of the following emerged as the centre of world trade in the 18th century ?

(1) Europe (2) India (3) China (4) America

Ans. **(1)**

Sol. Due to isolation of China Europe became the centre of world trade.

65. Which of the following ports lost its importance under colonial rule ?

(1) Calcutta (2) Bombay (3) Surat (4) Madras

Ans. **(3)**

Sol. Surat was pre-colonial port.

66. The first Factories Act, to help keep children out of industrial work was passed in

(1) 1870 (2) 1902 (3) 1906 (4) 1912

Ans. **(2)**

67. For which of the following reasons was the Simon Commission boycotted ?

(1) It supported the Muslim League (2) It did not recognise Congress as a party

(3) There was no Indian in the Commission (4) There were differences among the members

Ans. **(3)**

68. Munshi Premchand wrote on which of the following themes ?

(1) Religious and Mythological (2) Oppression in society

(3) Historical (4) Detective and mystery

Ans. **(2)**

69. Akbar's court poet was

(1) Tulsidas (2) Abdur Rahim Khan Khana

(3) Amir Khusro (4) Tukaram

Ans. **(2)**

Sol. Abdur Rahim Khan Khana one of the Navratn or Nine Gems of Akbar's court.

70. Which of the following was the reason for calling off the Non-Cooperation Movement by Gandhiji ?

(1) High pressure from the British government (2) Round Table Conference

(3) Gandhiji's arrest (4) The Chauri Chaura incident

Ans. **(4)**

71. Which Sikh guru was executed by Aurangzeb ?

(1) TeghBahadur (2) Arjun Dev (3) Hargobind (4) Govind Singh

Ans. **(1)**

72. Where was the first Cotton Mill set up iri-India ?

(1) Ahmedabad (2) Kanpur (3) Mumbai (4) Madras

Ans. **(3)**

73. Which Mughal king died by a sudden fall from the staircase ?

(1) Babur (2) Akbar (3) Jahangir (4) Humayun

Ans. **(4)**

74. Which of the following newspapers was started by Bal Gangadhar Tilak?

(1) Kesari (2) Jansatta (3) The Statesman (4) Amrita Bazar Patrika

Ans. **(1)**

75. Which king started the organization of Kumbh . fair at Allahabad ?

(1) Harshavardhana (2) Dhruvasena II (3) Narsimhavarnam (4) Akbar

Ans. **(1)**

76. What per cent area of the whole country does mountain occupy ?

(1) 27% (2) 43% (3) 30% (4) 50%

Ans. **(3)**

77. Which wildlife is protected by the villagers of Bishnoi village in Rajasthan ?

(1) Chinkara (2) Elephant (3) Tiger (4) Lion

Ans. **(1)**

78. The system of agriculture when a single crop is grown on a large area is termed as

(1) shifting agricukure (2) horticulture

(3) intensive agriculture (4) plantation agriculture

Ans. **(4)**

79. Which is called the 'Queen of Arabian Sea' ?

(1) Venice (2) Kochin (3) Surat (4) Lakshadwip

Ans. **(2)**

Sol. Due to strategic importance Kochin is called "Queen of Arabian sea".

80. Which one of the following agencies markets steel for the public sector plants ?

(1) HAIL (2) TATA steel (3) SAIL (4) MNCC

Ans. **(3)**

Sol. Contour ploughing the correct term not Contour Planning.

81. Which two of the following extreme locations are connected by the east-west corridor ?

(1) Mumbai and Kolkata (2) Mumbai and Nagpur

(3) Nagpur and Siliguri (4) Silchar and Porbandar

Ans. **(4)**

82. Which is not the soil conservation method ?

(1) Contour planning (2) Strip cropping (3) Terracing of slopes (4) Shelter belts

Ans. **(1)**

83. Species found in isolated places only are called

(1) normal species (2) endemic species (3) vulnerable species (4) rare species

Ans. **(2)**

84. Which of the following is not the purpose that modern dams serve ?

(1) Generation of hydroelectricity (2) Industrial use

(3) Irrigation (4) Inland navigation

Ans. **(NA)**

Sol. All option are correct according to NCERT Class 10 Geography book (Water Resources).

85. Rearing of silkworms for production of silk fibre is called

(1) interculture (2) sericulture (3) horticulture (4) pisciculture

Ans. **(2)**

86. Which one of the following minerals is formed due to evaporation ?

(1) Chalk (2) Silica (3) Petroleum (4) Gypsum

Ans. **(4)**

87. Which one of the following minerals is not used in making "cement ?

(1) Coal (2) Silica (3) Aluminium (4) Copper.

Ans. **(4)**

88. Which one of the following countries imports iron ore from India ?

(1) USA (2) Japan (3) Russia (4) China

Ans. **(2)**

89. Which one of the following is a riverine port ?

(1) Kolkata (2) Mumbai (3) Kandla (4) Vishakhapatnam

Ans. **(1)**

Sol. Situated on Ganga river so Kolkata is a riverine port.

90. The place of India in respect of rice cultivation is

(1) first (2) second (3) third (4) fourth

Ans. **(2)**

Sol. After China India is the second largest producer of rice in the world.

91. Which of the following are the two Ethnic groups in Sri Lanka ?

(1) Hindus and Muslims (2) Sinhalese and Tamils

(3) Muslims and Cristians (4) Christians and Tamils

Ans. **(2)**

92. The number of subjects given in Union List is

(1) 47 (2) 66 (3) 85 (4) 97

Ans. **(4)**

93. The policy of 'Apartheid' was adopted by the government of

(1) U.S.A. (2) Africa (3) India (4) England

Ans. **(2)**

94. Untouchability has been abolished in India by which of the following articles of the Constitution of India ?

(1) Article 14 (2) Article 15 (3) Article 16 (4) Article 17

Ans. **(4)**

95. Democracy was re-established in Nepal in

(1) 2005 (2) 2006 (3) 2007 (4) 2008

Ans. **(4)**

Sol. In 2008 Monarchy was abolished and Nepal became a federal democratic republic.

96. Average income is

(1) Total National Income / Population of the country

(2) Per Capita Income / Total National Income

(3) National Wealth / Per person of the country

(4) National Capital / National Budget

Ans. **(1)**

97. Tertiary Sector has become an important part of Indian economy on account of

(1) development of agriculture and industry (2) rise in levels of income

(3) both (1) and (2) (4) none of these

Ans. **(3)**

98. The main function of Reserve Bank of India is

(1) providing loans (2) credit control (3) dealing with World bank (4) none of these

Ans. **(2)**

Sol. Credit control is the function of RBI.

99. MNC is a company

(1) that owns or controls production in more than one nation

(2) that owns or controls production in one nation

(3) that owns or controls production outside the nation

(4) all of these

Ans. **(1)**

100. Which of the following does not fall under consumer rights ?

(1) Right to be informed (2) Right to choose

(3) Right to seek government help (4) Right to represent in the consumer courts

Ans. **(3)**

Sol. Right to seek government help is not the consumer right.