SCHOLASTIC APTITUDE TEST- REVISION TEST - 1 (UNIT TESTS FROM 1 TO 11)

MATHEMATICS

91. If 'a' and 'b' are two integers, match the following.

i) $a \times b = b \times a$

- a) Associative property

ii) a + (b + c) = (a + b) + c

- b) Identity property

iii) $a \times (b + c) = (a \times b) + (a \times c)$

- c) Commutative law

iv) $a \times 1 = 1 \times a = a$

- d) Distributive law

- (1) i-d ii-a iii-c iv-b
- (2) i-b ii-a iii-d iv-c
- (3) i-c ii-a iii-d iv-b

(4) i-c ii-d iii-a iv-b

92. If the perimeter of the given parallelogram is 54 cm, find the value of x.

(1) 24 cm

(2) 63 cm

(3) 18 cm

- (4) 14 cm
- 93. Find the false statement.
 - (1) The diagonals of a square are equal in length.
 - (2) The diagonals of a rectangle are equal in length.
 - (3) The diagonals of a parallelogram are equal in length.
 - (4) The diagonals of a rhombus are not equal in length.
- 94. If the area of a rhombus is 100 sq.cm, then the product of its diagonals is

(1)200

(2)50

(4)40

95. If the length and breadth of the rectangle in the figure are 10 m and 6 m respectively, what is the area of the shaded region?

(1) 30 sq.m

(2) 60 sq.m

(3) 45 sq.m

(4) Can't say

96. -3, 6, -12, 24, -48 What is the next number? (1)54

(2) - 64

(3)96

(4) - 72

97. If y = -5, then what is the value of $y^2 - 4(y - 3)$?

(2)7

(4)57

98. Find the value of $\frac{0.001}{0.0001} + \frac{0.1011}{0.001}$

(1) 11.11

(3) 1.111

(4) 10.111

99. If $7129 \times 18 = 128322$, Which of the following is incorrect?

(1) $71.29 \times 0.18 = 12.8322$

 $(2) 712.9 \times 1.80 = 1283.22$ $(4) 712.90 \times 18 = 1283.22$

(3) $0.7129 \times 1.8 = 1.28322$

100. If $\left(\frac{x}{y}\right)^{n-1} = \left(\frac{y}{x}\right)^{n-3}$, the what is the value of 'n'?

 $(1)^{\frac{1}{2}}$

(2) 1

 $(3)^{\frac{7}{2}}$

(4) 2

 $101.\sqrt{5+\sqrt{16}} = ?$

(1)3

(2)4

(4)6

102. If the sum of a number and its reciprocal is $4\frac{1}{4}$, what is that number?

(1)3

 $(2)^{\frac{1}{4}}$

(4) None of these

103. If $b = \frac{2a+1}{2a-1}$, for what value of a is b not a rational number?

(1) 2

(2) 3

104. What is the rational number between 'x' and 'y'?

(1) $\frac{x-y}{2}$

(2) $\frac{x+y}{2}$

| 105. If the base of a triangle is $(1) 56x^5y^3$ cm | s $14 \mathrm{x}^3 y^2$ cm and its heig (2) $112 \mathrm{x}^5 y^3 \ cm^2$ | | | | |
|--|--|---|--|--|--|
| 106. Which of the following is | not a polynomial expres | ssion? | | | |
| $(1)\frac{2}{x^{-2}} + \frac{5}{x^{-1}} + 3$ | | | $(4) \ 7x^2 + \sqrt{2x} + 5$ | | |
| 107. If the circumference of a (1) 10 cm | circle is 10π cm, what is (2) 5 cm | the length of its largest (3) 7 cm | chord? (4) 4 cm | | |
| 108. A floor is 10 m long and 8 m wide. A rug 6 m long and 5 m wide is spread on it. What is the area covered by the rug? | | | | | |
| (1) 80 sq.m | (2) 30 sq.m | (3) 50 sq.m | (4) 40 sq.m | | |
| 109. If $2^n + 2^n = 2^6$, what is | the value of 'n'? | | | | |
| (1) 3 | (2) 4 | (3) 5 | (4) 6 | | |
| 110. $(p+q)(q-p) = ?$ | | | | | |
| (1) $(p-q)^2$ | (2) $p^2 - q^2$ | (3) $(p+q)^2$ | (4) $q^2 - p^2$ | | |
| | SCIE | ENCE | | | |
| 111. One Astronomical unit is | <u></u> | <u>-</u> | | | |
| (1) 149.6 million km | (2) 14960000 kilometre | | (4) 2 Only | | |
| 112. The box which is made u (1) 15 kg | p of Iron has a volume o (2) 15 g | f 125cm ³ ; its density is 7 (3) 975 kg | 8 g/cm³. Find its mass.(4) Q × T | | |
| 113. Q = | 4-1-1 | (-) = (-) | | | |
| (1) I × T | (2) I / T | (3) T / I | (4) Q × T | | |
| 114. A bus starts from rest an (1) 1000 m/s ² | (2) 0.1 m/s ² | (3) 10 m/s ² | t is it's acceleration? (4) 0.01 m/s ² | | |
| 115. Which of the following g | raph represents the neg | ative acceleration? | | | |
| (1) Time(s) (2 | 50 40 30 30 20 10 10 2 3 4 5 Time (s) | 125- 100- 75- 50- 25- 0 1 2 3 4 5 Time (s) (2 | (1. s m) pads 20 10 10 12 3 4 5 Time (s) | | |
| 116. The unit of Viscous force | e in CGS system is | · | | | |
| (1) poise | (2) Nsm ⁻² | (3) kgm ⁻¹ s ⁻¹ | (4) All of these | | |
| 117. If the weight of a crane standing on one leg is 40N, and area of it's foot is 0.01 m ² . Calculate the pressure it exerts on the ground. | | | | | |
| (1) 20 N / m ² | (2) 200 N / m ² | (3) 2000 N / m ² | (4) 200 N / m ² | | |
| 118. Select the correct statements. a. Kelvin scale is a SI unit system used to measure temperature b. Thermometer with Fahrenheit scale is caliberated from 32°F to 212°F c. The average temperature of the human body is 310.15 K d. Rankine scale is a absolute scale | | | | | |
| (1) a, c | (2) b, d | (3) a, d | (4) All of these | | |
| 119.The temperature of a pla | • • • | | | | |
| (1) 0° kelvin | | (3) 0 kelvin | (4) 546 kelvin | | |
| 120.The use of Inkscape software is | | | | | |
| (1) Convert image drawn on paper into vector image (2) Convert image drawn on paper into raster image (3) 1 & 2 (4) None of these | | | | | |
| 121.Generally, when an object is heated, its volume | | | | | |
| (1) Increases | (2) Decreases | (3) Decreases then Incre | eases (4) No change | | |

| 122. The temperature of a metal ball is 30°C. When a | n energy of 3000J is supplied, its temperature is raised | | | | |
|---|--|--|--|--|--|
| by 40°C. Calculate its heat capacity. (1) 300 J / K (2) 300 J / S | (3) 30 J / K (4) 30 J / S | | | | |
| | | | | | |
| 123.Select the artificial sources of light from the following. (i) Candle, Neon lamp (ii) Neon lamp, Sun | | | | | |
| (iii) Sodium vapour lamp, Burning stove | | | | | |
| (1) (i), (iii) (2) (i), (iii), (iv) | (3) (i), (ii), (iv) (4) (ii), (iv) | | | | |
| 124.Rainbow: Formed in the opposite side of light so | urce :: Shadow : Formed in | | | | |
| (1) Same side of light source | (2) Left side of light source | | | | |
| (3) Opposite side of light source | (4) Right side of light source | | | | |
| 125.Refractive index of water is 4/3 and the refractive index of glass is 3/2. Find the refractive index of glass | | | | | |
| with respect to the refractive index of water. | | | | | |
| (1) 1 (2) 1.125 | (3) 2 (4) 2.125 | | | | |
| 126.Match. | | | | | |
| (i) Soft metal - a. Mercury (ii) N | Лetal in liquid state - b. Bromine | | | | |
| (iii) A form of carbon - c. Graphite (iv) | | | | | |
| (1) i – a ii – d iii – c iv - b | (2) i - c ii – d iii – a iv - b | | | | |
| (3) i - c ii – a iii – d iv – b | (4) i - d ii – a iii – c iv – b | | | | |
| 127. Assertion: The most abundant atom in the univ | • | | | | |
| Reason: Approximately 74% of the atoms in the | universe are hydrogen atoms. | | | | |
| (1) Both Assertion and Reason are correct | | | | | |
| (2) Both Assertion and Reason are wrong | | | | | |
| (3) Both Assertion and Reason are correct, Reason | | | | | |
| (4) Both Assertion and Reason are correct, Reason | on does not explains assertion | | | | |
| 128.Match. | | | | | |
| | on of sodium hydroxide in water | | | | |
| • • • | on of glucose in water | | | | |
| • • • | of Ammonium chloride | | | | |
| · · · | centrated solution | | | | |
| (1) i – a ii – d iii – c iv - b | (2) i - c ii - d iii - a iv - b | | | | |
| (3) i-c ii-a iii-d iv-b | (4) i-d ii-a iii-c iv-b | | | | |
| 129. Which of the following is not an analgesic? | (2) Dielefense (4) Cimetidine | | | | |
| (1) Aspirin (2) Codein | (3) Diclofenac (4) Cimetidine | | | | |
| 130.Select the odd one out. | (2) Collabora disorida (4) Canad | | | | |
| | (3) Sulphur dioxide (4) Sand | | | | |
| 131.Shiny non - metal, conducts electricity | | | | | |
| (1) Sulphur (2) Diamond | (3) Graphite (4) Chlorine | | | | |
| 132.The head of a match stick contains | de (2) Red pheepheres (4) 1 9 2 | | | | |
| (1) Potassium chlorate (2) Antimony tri sulphide (3) Red phosphorous (4) 1 & 2 | | | | | |
| 133.Brass vessels lose their shining appearance due (1) Air pollution | .0 | | | | |
| (2) Large amount of nitrogen in air | | | | | |
| (3) Copper present in Brass vessel reacts with air and forms copper carbonate | | | | | |
| | | | | | |
| (4) Silver present in Brass vessel reacts with air and forms silver sulphide.134.Nitrogen is ued in thermometer, because | | | | | |
| (1) To measure the temperature correctly (2) To reduce the evaporation of mercury | | | | | |
| (3) To prevent the uniform expansion of mercury (4) To prevent melting of mercury | | | | | |
| 135. Which of the following is a wrong statement? | | | | | |
| (1) Nitrogen is used as a refrigerant | | | | | |
| (2) A limited amount of carbon dioxide is passed through lime water forms calcium carbonate | | | | | |
| (3) Carbon dioxide is mixed with charcoal and used to make explosives | | | | | |
| (4) Nitrogen is slightly soluble in water | | | | | |
| · , | | | | | |

| 136.Select the incorrect pair: | | | | |
|--|--|--|--|--|
| (1) Sucker - Chrysanthemum | (2) Runner - Eichhornia | | | |
| (3) Phyllode - Acacia auriculiform | nis (4) Corm - Colocasia | | | |
| 137.In which of the following stilt roots are presen | it? | | | |
| (1) Banyan (2) Sugarcane | (3) Maize (4) 2 & 3 | | | |
| 138.Match. | | | | |
| · · | on (ii) Strawberry - b. Inflorescence | | | |
| (iii) Spirogyra - c. Spore formatio | | | | |
| (1) i – b ii – a iii – c iv - d | (2) i - d ii – a iii – b iv – c | | | |
| (3) i - d ii - b iii - a iv - c | (4) i - b ii – a iii – d iv – c | | | |
| 139. Which organelle causes spindle fibres to prolif | | | | |
| (1) Nucleus (2) Ribosome | (3) Centriole (4) Mitochondria | | | |
| 140.Give Analogy. Plant cell : Chloroplast :: Animal | | | | |
| | (3) Golgibodies (4) Animals | | | |
| | complex and endoplasmic reticulum are not present? | | | |
| (1) Fungi (2) Protozoa | (3) Alga (4) Bacteria | | | |
| 142.Match. | | | | |
| (i) Methanogens - a. E. Col | | | | |
| (ii) Vitamin K - b. Linen | | | | |
| (iii) Pseudomonas aeruginosa - c. Nitro (iv) Cyanobacteria - d. Produ | gen invation uction of bio-gas | | | |
| (1) i - b ii - d iii - a iv - c | (2) i - d ii – a iii – b iv – c | | | |
| (3) i - d ii - b iii - a iv - c | (4) i - b ii – c iii – d iv – a | | | |
| 143. Which of the following is a wrong statement? | • | | | |
| (1) The reserve food materials of fungi are glud | cogen and oil. | | | |
| (2) Agar agar is used as growth medium in labor | oratories. | | | |
| (3) Bryophytes have distinct alternation of gen | neration. | | | |
| (4) In Pteridophytes gametophyte is the domir | nant phase. | | | |
| 144.Binomial nomenclature was implemented by _ | | | | |
| (1) Linnaeus | (2) Bentham and Hooker | | | |
| (3) Augustin pyramus de candole | (4) Gaspard Bauhin | | | |
| 145. The by products of anaerobic respiration are $_$ | | | | |
| (1) Ethanol, Oxygen | (2) Carbon dioxide, water | | | |
| (3) Ethanol or lactic acid and Carbon dioxide | (4) Lactic acid, Nitrogen | | | |
| SOCIAL SCIENCE | | | | |
| 146.Who was the portuguese traveller visited Vijav | yanagar in 1522 AD? | | | |
| (1) Domingo Paes (2) bn Battuta | (3) Megasthenes (4) Nicolo Conti | | | |
| 147. The person who declared himself as the first S | Sultan of Delhi is | | | |
| (1) Babar (2) Ala-Ud-din khalji | (3) Firoz shah Tughlu (4) Qutb-ud-din-Aibak | | | |
| 148.Choose incorrect pair. | | | | |
| (1) Sun Temple - Konark | (2) Dilwara Temple – Mount Abu | | | |
| (3) Khandarya Temple – Uttar pradesh | (4) Khajuraho - Bundelkhand - | | | |
| 149. Who was called as the donar of the Velvikudi I | Plates? | | | |
| (1) Sundarapandyan (2) Jatila Pantaka Neunjadayan | | | | |
| (3) Veerapandyan | (4) Raja Raja cholan | | | |
| 150.Match it. | | | | |
| (i) Mamluk Dynasty - a. Firoz Shah | | | | |
| (ii) Khalji Dynasty - b. Ibrahim | | | | |
| (iii) Tughlug Dynasty - c. Ala-Ud-Din | | | | |
| (iv) Lodi Dynasty - d. Balban (1) i – d ii – c iii – a iv - b | (2) i - c | | | |
| (1) i – d ii – c iii – a iv - b (3) i - b ii – a iii – d iv – c | (2) i - c ii – d iii – a iv - b (4) i - b ii – a iii – c iv – d | | | |
| (3) I-D II-A III-U IV-C | (+) I-D II-D III-C IV-U | | | |

| 151.Choose incorrect pair | | | | |
|---|--|--|--|--|
| (1) Quid-Ud-din-Aibak - Ala-ud-din | (2) Iltumish — Rukn-ud-din-Firoz | | | |
| (3) Balban - Kaiqubad | (4) Bahlol Lodi - Sikandar Lodi | | | |
| 152.Match it. | | | | |
| (i) Thanjavur Big Temple - a. Ratha | | | | |
| (ii) Gangaikonda Cholapuram - b. 7 meter | | | | |
| (iii) Dharasuram - c. 55 meter | | | | |
| · · · | - d. 216 feet | | | |
| (1) i – d ii – a iii – c iv - b | (2) i - d ii - c iii - a iv - b | | | |
| (3) i-b ii-a iii-d iv-c | (4) i-b ii-a iii-c iv-d | | | |
| 153.Choose correct pair | | | | |
| 1. Later Chola – Dharasuram | 2. Kanchipuram - Jalagandeshwar temple | | | |
| 3. Madurai – Adinatha temple | 4. Tirunelveli – Varatharaja perumal temple | | | |
| (1) 3, 4 only (2) 2 only | (3) 1 only (4) 2, 4 only | | | |
| 154.The first Indian woman who won the Booker priz | | | | |
| (1) Sushma swaraj (2) Arundhati Roy | (3) Kiran Bedi (4) Vijaya Lakshmi pandit | | | |
| 155.Match it. | | | | |
| ., | t.Francis Church - b. Calcutta | | | |
| | eldria Fort - d. Cochin | | | |
| (1) i – c ii – d iii – b iv - a (3) i - b ii – a iii – d iv – c | (2) i - c ii – d iii – a iv - b (4) i - b ii – a iii – c iv – d | | | |
| | (4) 1-0 11-a 111-c 1v-u | | | |
| 156. Analyse the following statements Statement 1: The three Carnatic Wars were foug | the hotwoon the Franch and the Dutch | | | |
| Statement 2 : The Carnatic Wars undermined the | | | | |
| (1) Statement 1 is true Statement 2 is wrong | | | | |
| (3) Statement 1 is wrong Statement 2 is true | - · · · · · · · · · · · · · · · · · · · | | | |
| 157.The year when the Indian Civil Service Act was pa | | | | |
| (1) 1862 (2) 1861 | (3) 1859 (4) 1857 | | | |
| 158. Which Revolt was led by Keshab Chandra Roy? | (1) 2001 | | | |
| (1) Pabna Revolt (2) Moplah Rebellion | (3) Deccan Revolt (4) Indigo Revolt | | | |
| 159.Analyse the following statements | (1) | | | |
| Statement 1 : The army was the third important | pillar of the British administration in India | | | |
| | cruiting its own army which came to be known as th | | | |
| sepoy army. | , | | | |
| (1) Statement 1 and Statement 2 are true | (2) Statement 1 is true Statement 2 is wrong | | | |
| (3) Statement 1 is wrong Statement 2 is true | (4) Statement 1 and Statement 2 are wrong | | | |
| 160. Arrange the following and choose the correct answer. | | | | |
| (a) Treaty of Carnatic | (b) Victoria proclamation | | | |
| (c) Vellore Revolt | (d) Proclamation of Independence | | | |
| (1) a, b, c, d (2) a, d, c, b | (3) a, c, d, b (4) a, b, c, d | | | |
| 161. Match it. | | | | |
| (i) Atheism - a. Sikandra | (ii) Saeulum - b. a lack of belief in God | | | |
| (iii) Tomb of Akbar - c. Secular country | (iv) India - d. An age | | | |
| (1) i – d ii – a iii – c iv - b | (2) i - c ii – d iii – a iv - b | | | |
| (3) i-c ii – a iii – b iv – d | (4) i - b ii – d iii – a iv – c | | | |
| 162.Choose the correct pair | | | | |
| (1) Hondu - Dome (2) Jain - Spire | (3) Buddhist - Stupa (4) Muslim – Cupola | | | |
| 163. Which of the following statement is false? | | | | |
| (1) The spherical earth is found to be three concentric layers. | | | | |
| (2) The core is called baryspekre | | | | |
| (3) The core is called baryspehre.(4) The crust of the outermost layer thickness varies from 10 to 30 km | | | | |
| | | | | |

| 164. Assertion: Earthquakes may cause changes in Reason: A sudden movement of a portion of the | | duces a shaking or trembling |
|--|--|-------------------------------|
| is known as an earthquake. | , | |
| (1) Both Assertion and Reason are correct | (2) Assertion is correct Reason is wrong | |
| (3) Assertion is wrong Reason is correct | | |
| 165. Match it. | | |
| (i) Asia Minor - a. Chilika lake | | |
| (ii) Kayal - b. Germany | | |
| (iii) Odisha - c. Lagoons | | |
| (iv) Cirque - d. Turkey | | |
| (1) i – d ii – c iii – a iv - b | (2) i - d ii – a iii – | |
| (3) i - b ii – d iii – a iv – c | (4) i - b ii – a iii – | |
| 166. In which country were the oldest sedimentary r | | |
| (1) Italy (2) India | (3) Greenland | (4) Japan |
| 167. Which of the following is a wrong statement? | | |
| (1) Igneous rocks are hard in nature | (2) Igneous rocks are not used for construction work | |
| (3) Igneous rocks are impermeable | (4) Igneous rocks are of two types | |
| 168. Alluvial sand is | | |
| (1) Dessert soil (2) Mountain soil | (3) Laterite soil | (4) Black soil |
| 169. The Tamil translation of "kilimo" is | | |
| (1) Climate (2) Straight angle | (3) Weather | (4) Inclination |
| 170 is the tiny droplets of water hanging | ng in the air. | |
| (1) Mist (2) Fog | (3) Frost | (4) Dew |
| 171.In 2050, what percentage of the worlld's popula | ition is projected to be urb | oan? |
| (1) 68 (2) 60 | (3) 80 | (4) 75 |
| 172. The world day for Cultural diversity is | <u>_</u> . | |
| (1) May 23 (2) June 12 | (3) December 10 | (4) May 21 |
| 173. Whiich countries follow the Rule of Law is in for | rce? | |
| (1) China, North Korea | (2) North Korea, Englan | d |
| (3) China, India | (4) India, England | |
| 174. What is the minimum percentage of votes a pa | rty must get in an assemb | ly election to be recognized |
| as a state party? | | |
| (1) 3% (2) 6% | (3) 5% | (4) 4% |
| 175. Wealth which is used for the further production | of wealth refers to | • |
| (1) Capital (2) Work | (3) Land | (4) Production |
| 176. According to the constitution, the number of mo | embers in the legislative A | ssembly of a state should not |
| exceed | | |
| (1) 234 (2) 250 | (3) 500 | (4) 545 |
| 177.Choose the wrong pair | | |
| (1) Legislative Assembly – Lower House | (2) Legislative Council – | |
| (3) The Governor – Head of the state | (4) The chief minister – L | eader of the opposition party |
| 178. Analyse the following statements | | |
| Statement 1 : A person can change his nationalit | Σγ. | |
| Statement 2 : A person cannot change his citizer | nship. | |
| (1) Statement 1 and Statement 2 are true | (2) Statement 1 is true S | _ |
| (3) Statement 1 is wrong Statement 2 is true | (4) Statement 1 and Sta | tement 2 are wrong |
| 179 refres to the prices are rising, the value | · · | |
| (1) Inflation (2) Defilation | (3) Plastic money | (4) Black money |
| 180.Choose the correct statements. | | |
| (i) Money is what money does - Waker | | |
| (ii) Money is notadifficult concept to define - Sci | | |
| (iii) The Indian Rupee symbol designed by Mr. U | - | (4) |
| (1) (i) and (ii) (2) (i) and (iii) | (3) (ii) only | (4) all of these |
| | | |