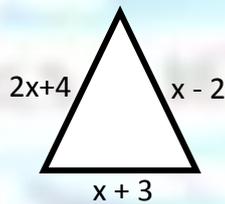


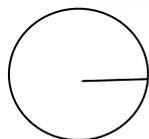
# TOP LAURELS HIGH SCHOOL (ENTRANCE EXAMINATION)

## MATHEMATICS: PAPER 1:

- The highest common factor of 18 and 42 is \_\_\_\_ (a) 3 (b) 4 (c) 5 (d) 6
- Evaluate  $\sqrt{7\frac{1}{9}}$  (a)  $2\frac{1}{3}$  (b)  $2\frac{2}{3}$  (c)  $1\frac{2}{3}$  (d)  $3\frac{2}{3}$
- In a service,  $\frac{1}{4}$  of the people are men,  $\frac{1}{3}$  are women and the rest are children. If there are 100 children, how many people are there altogether?  
(a) 25 (b) 240 (c) 200 (d) 100
- Arrange the following set of fractions in ascending order.  $\frac{1}{4}, \frac{2}{5}, \frac{7}{10}, \frac{1}{2}, \frac{3}{5}$ ,  
(a)  $\frac{1}{4}, \frac{7}{10}, \frac{3}{5}, \frac{1}{2}, \frac{2}{5}$ , (b)  $\frac{7}{10}, \frac{2}{5}, \frac{1}{4}, \frac{3}{5}, \frac{1}{2}$ ,  
(c)  $\frac{7}{10}, \frac{2}{5}, \frac{1}{2}, \frac{3}{5}, \frac{7}{10}$  (d)  $\frac{1}{4}, \frac{2}{5}, \frac{1}{2}, \frac{3}{5}, \frac{7}{10}$
- Find the different between the L.C.M and H.C.F. of 18, 36 and 48  
(a) 138 (b) 144 (c) 6 (d) 150
- What is the place value of 3 in 2.531? (a) tens (b) tenths (c) hundreds  
(d) hundredths
- The average of two numbers is 17. The different of the numbers is 6. Find the two numbers? (a) 10, 4 (b) 19, 13 (c) 20, 14 (d) 16, 10
- If  $5f - 8 = 3f + 4$ , find the value of f (a) 6 (b) 10 (c) 12 (d) 14
- If 60% of a number is 240, what is the number? (a) 360 (b) 420 (c) 400 (d) 380
- Which of the following is the heaviest? (a)  $\frac{1}{2}$  kg (b) 0.6kg (c) 0.8kg (d) 575g
- How many vertices has a cylinder? (a) 2 (b) 1 (c) 3 (d) 0
- Express 28% as a fraction in its lowest term?  
(a)  $\frac{28}{100}$  (b)  $\frac{7}{25}$  (c)  $\frac{7}{50}$  (d)  $\frac{14}{50}$
- Remove the brackets and simplify the expression  $12x - (x + 9y) - (4 - 3y)$   
(a)  $11x - 6y - 4$  (b)  $11x + 6y - 4$  (c)  $11x - 6y + 4$  (d)  $11x - 12x + 4$
- Which of these is not a perfect square? (a) 1620 (b) 1 (c) 0 (d) 676
- Simplify  $\frac{250 \times 0.12}{0.24 \times \frac{1}{2}}$  (a) 250 (b) 375 (c) 420 (d) 750
- The perimeter of the triangle in the figure below is



- (a)  $3x + 4$  (b)  $4x - 5$  (c)  $4x + 5$  (d)  $3x - 4$
- How many weeks are there in 840 hours? (a) 3 (b) 6 (c) 4 (d) 5
  - If  $\frac{3}{7} = \frac{6}{x}$ , find x (a) 14 (b) 15 (c) 16 (d) 17
  - Find the area of the circle of radius 3.5cm  
(a) 37.5cm (b) 38.5cm (c) 39.5cm (d) 40.5cm



- What is the value of  $\sqrt{7\frac{9}{16}}$  (a)  $1\frac{1}{4}$  (b)  $1\frac{3}{4}$  (c)  $2\frac{1}{4}$  (d)  $2\frac{3}{4}$

21. Simplify  $\frac{3}{4} - \frac{1}{3} \div \frac{2}{5} + \frac{11}{2}$  (a)  $1\frac{3}{5}$  (b)  $5\frac{5}{12}$  (c)  $2\frac{1}{12}$  (d)  $\frac{3}{10}$
22. How many days are there in the last three months of a year?  
(a) 89 days (b) 90 days (c) 91 days (d) 92 days
23. Evaluate  $\frac{1.5 \times 0.4}{0.012}$  (a) 0.8 (b) 50 (c) 32 (d) 36
24. Express  $3\frac{1}{4}$  as a decimal (a) 2.60 (b) 3.25 (c) 2.62 (d) 3.60
25. Reduce  $\frac{128}{288}$  to its lowest term  
(a)  $\frac{4}{9}$  (b)  $\frac{2}{5}$  (c)  $\frac{3}{7}$  (d)  $\frac{1}{3}$
26. Ade can type 450 words in 15 minutes. How many words will she type in 7 minutes? (a) 270 (b) 220 (c) 210 (d) 188
27. What is the smallest number which has a remainder of 2 when it is divided by 5, 6 or 7? (a) 212 (b) 192 (c) 188 (d) 168
28. The area of a triangle is  $52\text{cm}^2$ , if the base of the triangle is 8cm, find its height  
(a) 6.5cm (b) 13cm (c) 44cm (d) 26cm
29. What is the place value of 3 in 4321?  
(a) 3 unit (b) 3 thousand (c) 3 hundred (d) 3 tenth
30. Increase 4500kg by 15%. (a) 5175kg (b) 675kg (c) 1750kg (d) 6750kg
31. Find the H.C.F of 108 and 72 (a) 18 (b) 9 (c) 36 (d) 27
32. Evaluate  $\sqrt{225}$  (a) 25 (b) 16 (c) 15 (d) 3
33. Simplify  $0.00056 + 0.008$  (a) 0.009 (b) 0.07 (c) 0.05 (d) 0.06
34. Approximate 45,673 to the nearest thousand  
(a) 46,000 (b) 40,000 (c) 45,670 (d) 45,700
35. Which of the following gives the correct factor of 36?  
(a) 1,8,9,12,18,36 (b) 1,3,6,10,18,36 (c) 1,4,6,2,8,12,36 (d) 1,2,3,4,6,9,12,18,36
36. Write in figure, six hundred and fifty eight million, one hundred and twenty five thousand and one. (a) 685,125,100 (b) 658,105,001 (c) 658,125,001 (d) 658,125,101
37. Find the square root of  $\sqrt{9 \times 16 \times 25}$  (a) 360 (b) 25 (c) 60 (d) 9
38. Find the simple interest on N30,000 for  $3\frac{1}{2}$  years at 5% per annum.  
(a) N5,250 (b) N15,770 (c) N5,775 (d) N10,750
39. Round off 6829 correct to 1 significant figure.  
(a) 7000 (b) 6820 (c) 6830 (d) 6900
40. A car factory made 375 cars in 5 days. Find its production rate in a car per day.  
(a) 25 cars (b) 100 cars (c) 75 cars (d) 125 cars
41. Round off 0.006093 correct to a significant figure  
(a) 0.006 (b) 0.061 (c) 0.0061 (d) 0.001
42. Express 0.145 as a percentage (a) 1.45% (b) 45% (c) 14.5% (d) 145%
43. Evaluate  $\frac{2a - 3b}{5c}$  given that  $a = 2$ ,  $b = -2$  and  $c = 1$   
(a) -1 (b) 2 (c) 0 (d) 1
44. Simplify  $(\frac{x}{3})^2$  (a)  $\frac{x^2}{6}$  (b)  $\frac{x^2}{9}$  (c)  $\frac{2x}{33}$  (d)  $\frac{x^2}{3}$
45. Convert  $\frac{5}{3}$  to decimal fraction and give your answer to 4 decimal places  
(a) 1.6667 (b) 0.6774 (c) 0.3333 (d) 1.5567

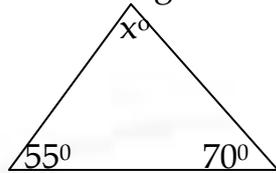
46. John think of a number. 18 is subtracted from the number, the result gives - 2. What is the number? (a) 16 (b) 2 (c) 14 (d) 20
47. Round off 9.3026 to the nearest hundredth (a) 9.31 (b) 9.30 (c) 9.303 (d) 9.302
48. Calculate 20% of 240 (a) 73 (b) 20 (c) 48 (d) 83
49. Find the L.C.M of 9, 27 and 81 (a) 21 (b) 81 (c) 16 (d) 9
50. 3.5% of a number is 3.5 What is the number? (a) 28 (b) 100 (c) 70 (d) 7
51. Which of the fractions is the lowest fraction.  $\frac{3}{4}$ ,  $\frac{5}{6}$ ,  $\frac{1}{2}$ , and  $\frac{12}{15}$   
(a)  $\frac{12}{15}$  (b)  $\frac{6}{15}$  (c)  $\frac{5}{6}$  (d)  $\frac{1}{2}$
52. Find the value of - 20 -(-100) (a) 80 (b) 120 (c) - 120 (d) - 80
53. Express 0.375 as a fraction in its lowest term.  
(a)  $\frac{75}{200}$  (b)  $\frac{3}{8}$  (c)  $\frac{5}{8}$  (d)  $\frac{3}{4}$
54. The area of a square is 36cm<sup>2</sup>. Find the perimeter of a square.  
(a) 18cm (b) 24cm (c) 27cm (d) 30cm
55.  $\frac{3}{10} \div \frac{1}{4} + \frac{4}{5} \times \frac{2}{1}$  (a) 0.57 (b) 2.00 (c) 2.80 (d) 4.80
56. The area of a rectangle 29.71cm long and 37.52cm wide  
(a) 1114.72cm<sup>2</sup> (b) 1544.92cm<sup>2</sup> (c) 3781.71cm<sup>2</sup> (d) 111471.92cm<sup>2</sup>
57. What is the H.C.F. of 162 and 450?  
(a) 9 (b) 18 (c) 27 (d) 32
58. A woman sells 80 oranges for N2000. How much will she 48 oranges?  
(a) N1480 (b) N1320 (c) N1200 (d) N1680
59. Express 0.55 as a fraction (a)  $\frac{9}{20}$  (b)  $\frac{11}{20}$  (c)  $\frac{20}{11}$  (d)  $\frac{20}{9}$
60. Write MMCDXLVI in Arabic numerals.  
(a) 2444 (b) 2446 (c) 2666 (d) 2646

### PAPER 2

61. Add 1000000, 700000, 6000, 400, 30 and write your answer in words  
(a) Eighteen million, six hundred and forty four  
(b) One Hundred and eighty million, six hundred and forty  
(c) One million, six hundred and forty four  
(d) One Million, seven hundred and six thousand, four hundred and thirty  
(e) Eighteen million, six hundred and four thousand, four hundred and forty
62. Change 1084 to Roman numerals  
(a) MCLXXXIV (b) MCLXXXVI (c) MLCXXIV (d) MLXXXVI (e) MLXXXIV
63. Simplify  $5\frac{7}{8} - 6\frac{3}{4} + 1\frac{2}{5}$  (a)  $2\frac{1}{4}$  (b)  $\frac{23}{40}$  (c)  $\frac{12}{4}$  (d)  $3\frac{1}{4}$  (e)  $\frac{21}{40}$
64. A market woman bought 12 packets of glass cups for N1800. If  $2\frac{1}{2}$  packets got broken and she still make profit of 15%. How much did she sell each packet?  
(a) N125 (b) N217.89 (c) N145.83 (d) N210 (e) N205.8
65. Evaluate  $2^3 \times 3^2 \times 9^0$  (a) 72 (b) 0 (c) 36 (d) 18 (e) 17
66. Find the square root of  $\sqrt{625}$  (a) 25 (b) 5 (c) 15 (d) 35 (e) 16
67. What is the rate of interest if a man has to pay N1,120 interest on a loan of N4000 for  $3\frac{1}{2}$  years. (a) 18% (b) 10% (c) 8% (d) 5%
68. A salesman sells refrigerator for 5% less than it cost him. If the cost price was N7500, find the selling price. (a) N375 (b) N7125 (c) N7875  
(d) N7500 (e) N357
69. An athlete runs 800 meters in 3 minutes. What is his speed in kilometers per hour? (a) 266.67km/h (b) 13.3kh/h (c) 4.44km/h (d) 16km/h (e) 8km/h

70. Find the simple interest on N1,500 for 4 years at  $7\frac{1}{2}$  per annum. (a) N450 (b) N900 (c) N145 (d) N190

71. Find the value of the angle marked  $x^\circ$  in the figure below



(a)  $35^\circ$  (b)  $70^\circ$  (c)  $55^\circ$  (d)  $90^\circ$  (e)  $45^\circ$

73. An article cost N7500 yesterday. Today the cost has risen by 10% and tomorrow it will fall by 15%. What will be the price tomorrow?

(a) N70.12 (b) N12.38 (c) N82.50 (d) N63.75 (e) N77.12

74. Find the cost of sending 60 words of telegram at the rate of N1.02 for the first 25 words and 85k for each of the extra words. (a) N30.77 (b) N1.87 (c) N29.75 (d) N25.50 (e) N77.30

75. An angle of  $90^\circ$  is called \_\_\_\_ (a) right angle (b) acute angle (c) obtuse angle (d) reflex angle (e) None of the above

76. If a car covers a distance of 180km in the speed of 80km/h. What time did it take the car to cover the distance. (a) 0.44hrs (b) 2hrs (c) 2.15hrs (d) 4.4hrs (e) 2hrs 15mins

77. A man buys a piece of cloth 2.5m by 4m how many pieces will he buy to cover a surface of  $194\text{m}^2$ ? (a) 19.4m (b) 194m (c) 97m (d) 200m (e) 2000m

78. Express 3min 20sec as a fraction of 1 hour

(a)  $\frac{1}{4}$  (b)  $\frac{1}{2}$  (c)  $\frac{1}{5}$  (d)  $\frac{1}{10}$  (e)  $\frac{1}{18}$

79. Express 37.5cm as a fraction of 6m (a)  $\frac{1}{8}$  (b)  $\frac{1}{12}$  (c)  $\frac{1}{6}$  (d)  $\frac{1}{32}$  (e)  $\frac{1}{16}$

80. Emeka went shopping with a certain sum of money. He spent  $\frac{2}{5}$  of it on shirt and  $\frac{1}{3}$  of the remainder on a belt. If he has N18 left, what was the original sum of money? (a) N18 (b) N45 (c) N67.7 (d) N45.50 (e) N40

81. What is the place value of 8 in 6.5308? (a) Ten Thousand (b) Thousandth (c) Thousand (d) Ten thousandth (e) Tenth

82. How many weeks are there in 1,512 hours? (a) 63 (b) 9 (c) 7 (d) 29.07 (e) 6

83. If 5 men can dig the foundation of a building in 15 days. How many days will it take 3 men to do the same piece of work at the same rate (a) 9 days (b) 3 days (c) 18 days (d) 25 days (e) 60 days

84. How long will it take to gain an interest of N3,500 on N15,000 principal at 5% per annum. (a) 5yrs (b) 6yrs (c)  $3\frac{1}{2}$ yrs (d) 8 months (e)  $4\frac{2}{3}$  years

85. What is the H.C.F. of 12, 15 and 18? (a) 3 (b) 5 (c) 90 (d) 360 (e) 180

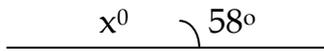
86. The perimeter of a lawn is 200 metres. If the width is 20 metres. What is the length? (a) 160m (b) 180m (c) 80m (d) 60m (e) 10m

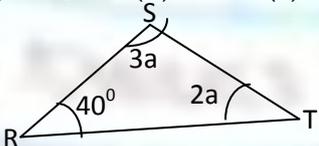
87. Express 0.325 as percentage

(a) 0.325% (b) 3.23% (c) 30.25% (d) 32.5% (e) 52.5%

88. What is the value of x in this equation?  $\frac{x - 18}{2} = 5x$

(a) 2 (b) 4 (c) 6 (d) 8 (e) 12



89. The value of the angle marked  $x$  is (a)  $22^\circ$  (b)  $122^\circ$  (c)  $152^\circ$  (d)  $58^\circ$  (e)  $158^\circ$
90. What must be added to  $\frac{2}{5}$  of 625 to make it 505?  
(a) 255 (b) 250 (c) 125 (d) 380 (e) 305
91. James was born in 1972 while his sister Jane was born 9 years later. How old is Jane in 2004? (a) 72 (b) 81 (c) 33 (d) 23 (e) 15
92. Find the value of  $1.7 \times 0.5$   
(a) 1.2 (b) 3.7 (c) 8.5 (d) 0.85 (e) 0.085
93. How many triangles can we find in a pentagon?  
(a) 5 (b) 7 (c) 3 (d) 8 (e) 9
94. Find the rate at which \$1,000 will yield \$150 in 2 years  
(a) 6.5% (b) 7% (c) 7.5% (d) 8% (e) 6%
95. Ayo will be  $x$  years old in five years. How old was he four years ago?  
(a)  $x - 5$  (b)  $x - 1$  (c)  $x + 9$  (d)  $x \div 9$  (e)  $x \times 9$
96. Divide 13.05 by 6.3 (a) 2.007 (b) 2.07 (c) 20.7 (d) 20.8 (e) 20
97. This current year in Roman numerals is (2017)  
(a) MMXVIII (b) MMXV (c) MMXVII (d) MMXVI
98. Solve this equation  $6x - 6 = 30$   
(a) 3 (b) 4 (c) 5 (d) 6 (e) 7
99. If today is Friday, what day will the next 15 days be  
(a) Sunday (b) Tuesday (c) Saturday (d) Thursday (e) Friday
100. Simplify  $6 - 4 \div 2 + 8 \times 2$   
(a) 18 (b) 20 (c) 22 (d) 24 (e) 26
101.  $888 + 88 + 8 + 8 + 8 =$   
(a) 912 (b) 1008 (c) 904 (d) 920 (e) 1,000
102. Express  $\frac{5}{8}$  as a decimal fraction  
(a) 0.265 (b) 0.526 (c) 0.625 (d) 705 (e) 0.256
103. Express  $\frac{72}{5}$  as a mixed number  
(a)  $14\frac{2}{5}$  (b)  $19\frac{1}{5}$  (c)  $20\frac{2}{5}$  (d)  $7\frac{2}{5}$  (e)  $18\frac{2}{5}$
104.  Find the value of  $a$  in the figure below  
(a) 10 (b) 20 (c) 28 (d) 36 (e) 45
105. Approximate 1359 to the nearest hundred  
(a) 1000 (b) 1300 (c) 1350 (d) 1360 (e) 1400
106. If  $7x = 42$ . What is the value of  $x$ ? (a) -7 (b) -6 (c) 6 (d) 7 (e) 35
107. Simplify  $\frac{a^3 - b^3}{a - b}$  if  $a = 5$ ,  $b = 4$   
(a) 82 (b) 51 (c) 32 (d) 0 (e) 61
108. If 6 bars of chocolate cost \$7.80 then 13 bars cost  
(a) \$15.90 (b) \$16.90 (c) \$13.90 (d) \$14.90 (e) \$ 18
109. A reflex angle is  
(a) less than  $45^\circ$  (b) between  $90^\circ$  and  $180^\circ$   
(c) less than  $90^\circ$  (d) more than  $180^\circ$  (e) above  $360^\circ$
110. What is the quotient of 21 and 7? (a) 14 (b) 28 (c) 3 (d) 141 (e) 217

**SUBTRACT**

111.	Hr	Min	Sec
	3	15	0
	1	45	15

- (a) 1hr 29mins 0sec
- (b) 1hr 29mins 45sec
- (c) 1hr 30mins 15sec
- (d) 2hrs 29mins 45secs
- (e) 2hrs 30mins 0sec

112. 16% of N90 is \_\_\_\_\_ (a) N14.40 (b) N14.20 (c) N14.15 (d) N14.00 (e) N14.80
113. The number of children in class increased from 260 to 286. What is the percentage increase? (a) 10% (b) 12% (c) 20% (d) 15% (e) 5%



- Find the lettered angle  
 (a) 58° (b) 47° (c) 50° (d) 120° (e) 180°

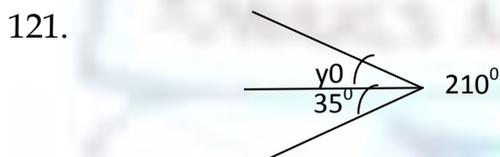
115. Convert  $17_{10}$  to base two  
 (a)  $1001_2$  (b)  $11000_2$  (c)  $10001_2$  (d)  $10101_2$  (e)  $10011_2$

116. Find the missing numbers in the following:

	1	2	8
+	*	*	*
	3	6	2

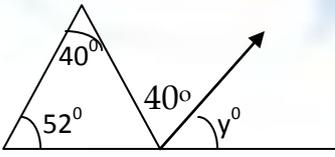
- (a) 12.4 (b) 14.6 (c) 23.4 (d) 24.6 (e) 49.0

117. Decrease 448 by 25%  
 (a) 102 (b) 112 (c) 336 (d) 560 (e) 650
118. Divide 30 by half and add 10. What do you get?  
 (a) 40 (b) 15 (c) 60 (d) 25 (e) 20
119. Write in figures: seven million ninety thousand and four  
 (a) 7904 (b) 700904 (c) 70009004 (d) 709004 (e) 7090004
120. If  $p + q = 6$  and  $p - q = 2$ , What is the value of  $q$ ?  
 (a) 3 (b) 5 (c) 1 (d) 4 (e) 2



- Calculate the size of the  $y^\circ$  (a)  $56^\circ$  (b)  $115^\circ$  (c)  $245^\circ$  (d)  $124^\circ$  (e)  $160^\circ$

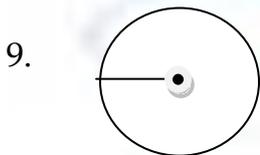
122. What will be the rate of interest if a man has to pay N1,120 interest on a loan of N4,000 for  $3\frac{1}{2}$  years? (a) 8% (b) 60% (c) 80% (d) 2% (e)  $5\frac{1}{2}\%$
123. Mrs. Alice is four times as old as her son. In the next 4 years the sum of their ages would be 68 years. Find the son's present age. (a) 12 yrs (b) 15 yrs (c) 18 yrs (d) 16 yrs
124. 2, 3 and 7 are the prime factors of \_\_\_\_\_ (a) 7 (b) 12 (c) 14 (d) 21 (e) 84
125. An event that celebrates the fact that something has continued for 50 years is known as \_\_\_\_\_ jubilee

126. Find the simple interest on N85 for 7 months at 8%. (a) N1050 (b) N8.50  
(c) N5.10 (d) N18.50 (e) N3.97
127. What is the value of 4 in 75.843?  
(a) Tens (b) Tenths (c) Hundredths (d) Hundreds (e) Units
128. Mrs. Rosemary prefers the white board to the blackboard. She asks the 32 pupils in her class for their opinion. Three quarter of them says yes. How many of the pupils say no? (a) 8 (b) 16 (c) 32 (d) 24 (e)  $\frac{1}{2}$
129. The smallest number by which 504 must be multiplied to give a perfect square is (a)  $\frac{1}{2}$  (b) 1 (c) 14 (d) 2 (e) 3
130. Find the median number of these Nigeria lotto: 13 8 21 5 20  
(a) 12 (b) 20 (c) 13 (d) 21 (e) 67
131. Simplify  $\frac{2(4-1)}{3} - 3\frac{(8-5)}{3}$   
(a) 2 (b) 3 (c) -1 (d) 0 (e) 1
132. Adesua is preparing some yam buns. Each yam bun needs seven eggs. How many yam buns can be made with 144eggs?  
(a) 14 (b) 18 (c) 20 (d) 9 (e) 16
133. 7 months as a fraction of 2years 3 months is  
(a)  $\frac{7}{23}$  (b)  $\frac{7}{32}$  (c)  $\frac{7}{27}$  (d)  $\frac{7}{25}$  (e)  $\frac{7}{63}$
134. Any triangle where all the three angles are unequal is known as \_\_\_\_\_  
(a) an obtuse angle triangle (b) an acute angle triangle (c) a scalene triangle  
(d) a right angled triangle (e) an equilateral triangle
135. Find the value of x in  $5 - 2x = -11$   
(a) -7 (b) -6 (c) 7 (d) 8 (e) 12
136. Any four closed figure is called (a) quadrilateral (b) rhombus (c) square  
(d) parallelogram (e) triangle
137. What is the value of 2.1081 correct to 2 decimal places?  
(a) 2.108 (b) 2.11 (c) 0.211 (d) 2.12 (e) 2.10
138. The circumference of a circle is 132cm. If  $\pi$  is  $3\frac{1}{7}$ , what is the diameter of the circle? (a)  $60\frac{2}{7}$  cm (b) 66cm (c) 49cm (d)  $56\frac{1}{7}$ cm (e) 42cm
139.  $5^4 = ?$   
(a) 45 (b) 54 (c)  $5 \sqrt{4}$  (d)  $5 \times 5 \times 5 \times 5$  (e)  $4 \times 4 \times 4 \times 4$
140. 0.05 of a sum of money is N1.25. What is 0.75 of the sum of money?  
(a) N18.25 (b) N17.25 (c) N18.75 (d) N17.85 (e) N15.75
141. Think of a number, add 7 to it and subtract 5. If the answer is 5, then the number is (a) 12 (b) 10 (c) 7 (d) 5 (e) 3
142.   $\angle y$  in the figure above is  
(a)  $52^\circ$  (b)  $95^\circ$  (c)  $88^\circ$  (d)  $40^\circ$  (e)  $94^\circ$
143. The average of three numbers is 6; the average of two of them is 7. What is the third number? (a) 4 (b) 14 (c) 13 (d) 3 (e) 6
144. Paula is the daughter of Paulina. Paula is 15years old. Paulina is four times as old as Paula. How old was Paulina when Paula was born?  
(a) 40years (b) 55years (c) 60years (d) 50years (e) 45years

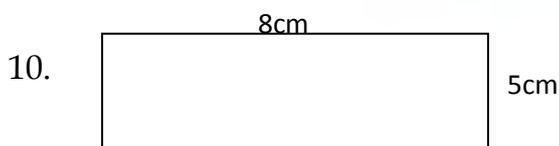
145. The volume of a cuboid measuring 12cm by 10cm by 6cm is  
 (a)  $60\text{cm}^3$  (b)  $120\text{cm}^3$  (c)  $240\text{cm}^3$  (d)  $360\text{cm}^3$  (e)  $720\text{cm}^3$
146. The difference of two numbers is 5 and their product is 84. What are the two numbers (a) 12 and 7 (b) 21 and 4 (c) 14 and 6 (d) 20 and 15 (e) 21 and 3
147. A piece of work is done by 12 men in 9 days. How many people can do the work in 12days? (a) 18 (b) 16 (c) 15 (d) 9 (e) 12
148. Which of the following numbers is a prime number?  
 (a) 147 (b) 149 (c) 153 (d) 155 (e) 161
149. The ratio of 12 and 30 to the lowest term is \_\_\_\_\_  
 (a)  $\frac{2}{5}$  (b)  $\frac{3}{4}$  (c)  $\frac{2}{3}$  (d)  $\frac{1}{5}$  (e)  $\frac{5}{6}$

### THEORY

1. Find the simple interest on N2,500 kept in the bank at a rate of 5% for 3years.
2. Simplify  $\sqrt{\frac{49}{81}} \div \sqrt[3]{\frac{343}{27}}$
3. An article was sold for N3,500. What was the cost price if it was sold at a loss of  $12\frac{1}{2}\%$  (a) N3,000 (b) N4,000 (c) 4225 (d) 4500 (e) N5,000
4. A trader bought 30 eggs for N1,800. If five eggs broke and sold the remaining one at N80 each. Find his percentage profit or loss.
5. The scores of ten students in a test are 3,6,4,5,5,4,7,5,5,6. Find the:  
 (i) Range (ii) Mode (iii) Median (iv) Mean
6. The perimeter of a rectangle is 30cm. if the length is 10cm, find  
 (a) The breadth of the rectangle (b) The area of the rectangle
7. Write in Roman numeral (a) 2020 (b) 1999 (c) 1856 (d) 2515
8. Multiply the LCM of 18, 24 and 36 by their H.C.F



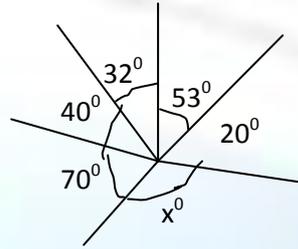
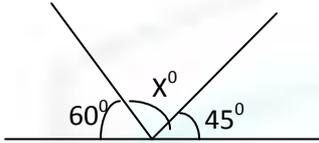
Find the circumference of the above circle



- (a) Find its Perimeter  
 (b) Find its area  
 (c) If the area is  $46\text{cm}^2$ . Find the length if the breadth is 6cm.

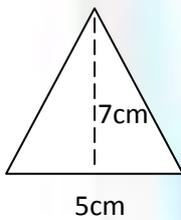
11. A farmer used  $\frac{1}{4}$  of his farm to cultivate yam,  $\frac{1}{3}$  to cultivate maize and  $\frac{1}{3}$  to cultivate Okro. What fraction of the farm's left?
12. Convert  $453_6$  to base 10
13. Charles has some money in his pocket. He decides to count it up to see how much he has. He has a two hundred pounds note, three fifty pounds notes, seven five pounds notes and six one pounds coins. How much does he have?

14.



Find  $x^\circ$  in the two diagrams above

15.



Calculate the area of the triangle above

16. Arrange the following in descending order

$$\frac{3}{5} \quad \frac{2}{3} \quad \frac{1}{5} \quad \frac{3}{4}$$

17. Decrease N1,720 by 20%

b. A Toyota Saloon car covers 45km in 1hour. How long will it take to cover 360km.

18. Find the perimeter



19. Given these numbers

4, 8, 11, 14, 12, 11, 13, 10, 4, 8, 6, 10

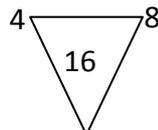
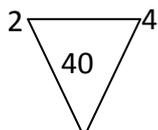
- (a) Find the mode  
 (b) Find the median  
 (c) Calculate the mean  
 (d) Find the range

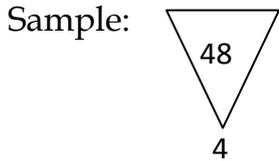
20. Four men divided a certain sum of money, the first collected  $\frac{1}{2}$  of it, the second got  $\frac{1}{4}$  and the third  $\frac{1}{5}$ . If the last received N25 What was original sum of money?

### Quantitative Aptitude

3

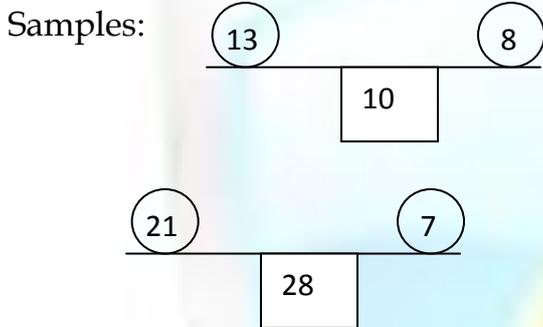
4





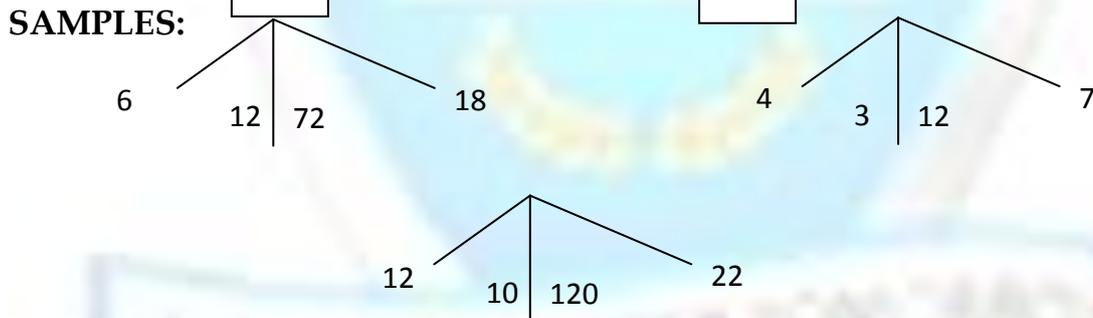
Instructions: Use the above sample to answer questions 151-153

- 151 (a)  $\frac{1}{2}$  (b)  $\frac{1}{4}$  (c)  $1\frac{1}{2}$  (d)  $\frac{1}{14}$  (e) 2
- (152) (a) 121 (b) 18 (c) 132 (d) 23 (e) 65
- (153) (a) 3.8 (b) 2.4 (c) 1.4 (d) 4.8 (e) 3.4



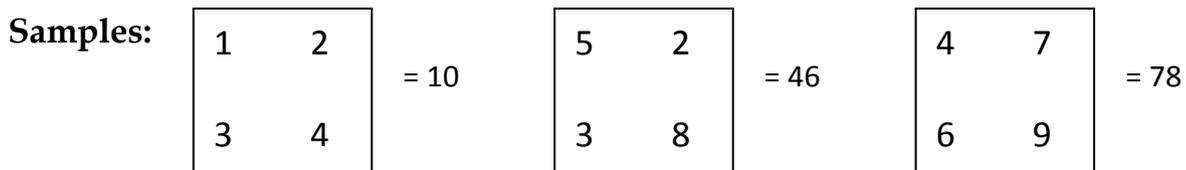
Instruction: Use the above samples to answer question 154 - 156

- 154) (a) 11 (b) 14 (c) ? (d) 16 (e) 24
- 155) (a) 6 (b) 5 (c) ? (d) 10 (e) 8
- 156) (a) 5 (b) 7 (c) 8 (d) 10 (e) 3



INSTRUCTION: USE THE ABOVE SAMPLES TO ANSWER QUESTIONS 157 - 160

- 157) (a) 11 (b) 27 (c) 32 (d) 12 (e) 48
- 158) (a) 19 (b) 70 (c) 9 (d) 4 (e) 7
- 159) (a)  $\frac{2}{3}$  (b) 3 (c)  $\frac{1}{4}$  (d)  $1\frac{1}{2}$  (e)  $\frac{1}{2}$
- 160) (a) 72 (b) 86 (c) 108 (d) 96 (e) 84



**INSTRUCTION: Use the above samples to answer 161 - 164**

161. 

8	3
6	9

 = ?

- (a) 24
- (b) 48
- (c) 90
- (d) 27
- (e) 1/2

162. 

11	12
?	5

 =

- (a) 6
- (b) 55
- (c) 132
- (d) 60
- (e) 8

163. 

?	0
9	4

 = 16

- (a) 0
- (b) 36
- (c) 13
- (d) 4
- (e) 1

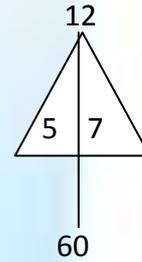
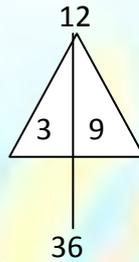
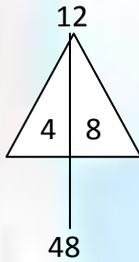
164. 

1/3	10
1/5	6

 =

- (a) 60
- (b) 7
- (c) 5
- (d) 8
- (e) 4

**Samples:**



**Instruction: Use the above samples to answer questions 165 - 169**

165) 

13
?   8
65

 (a) 4  
(b) 5  
(c) 6  
(d) 7  
(e) 8

(166) 

15
8   ?
120

 (a) 7  
(b) 2  
(c)  $2\frac{1}{2}$   
(d)  $3\frac{1}{3}$   
(e) 4

(167) 

12
9   3
?

 (a) 39  
(b) 93  
(c) 27  
(d) 108  
(e) 36

168) 

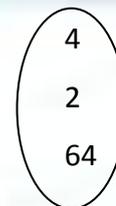
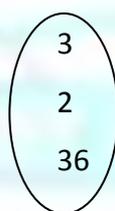
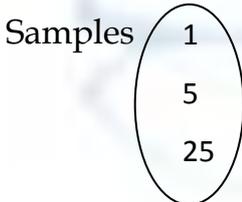
65
4   $\frac{3}{4}$   $3\frac{1}{4}$
?

 (a)  $5\frac{1}{2}$   
(b)  $5\frac{1}{4}$   
(c)  $5\frac{3}{4}$   
(d) 4  
(e) 3

169) 

?
2.5   2.5
120

 (a) 12  
(b) 4.5  
(c) 7.5  
(d) 5  
(e) 3.5



**INSTRUCTION: Use the sample above to answer questions 170 - 174**

170) 

4
4
?

 (a) 256  
(b) 148  
(c) 324  
(d) 196  
(e) 16

171) 

3
?
81

 (a) 9  
(b) 6  
(c) 2  
(d) 4  
(e) 3

172) 

?
5
100

 (a) 3  
(b) 4  
(c) 6  
(d) 2  
(e) 5

173) 

7
1
?

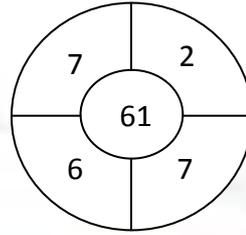
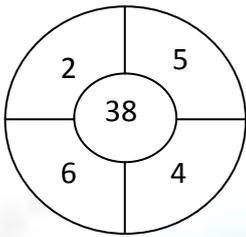
 (a) 49  
(b) 64  
(c) 36  
(d) 25  
(e) 21

174) 

4
?
144

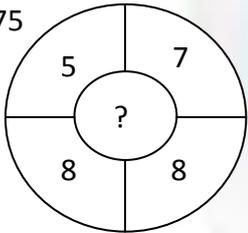
 (a) 7  
(b) 3  
(c) 8  
(d) 9

Samples:



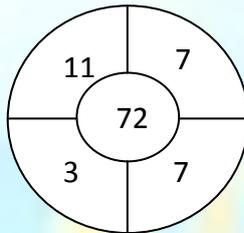
**INSTRUCTION:** Use the above samples to answer questions 175 - 179

175



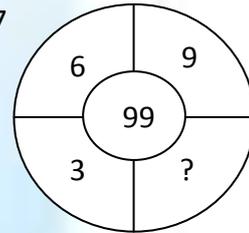
- (a) 51
- (b) 96
- (c) 36
- (d) 287
- (e) 65

176

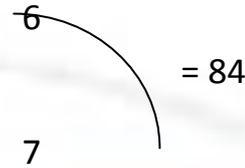
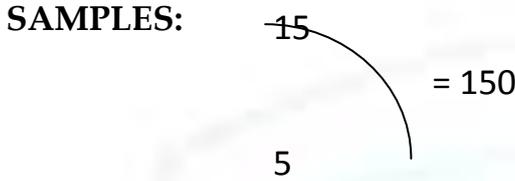
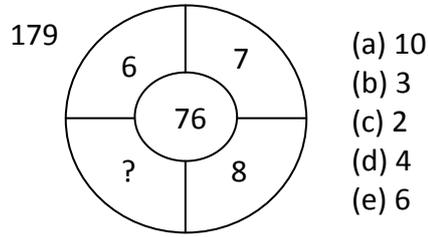
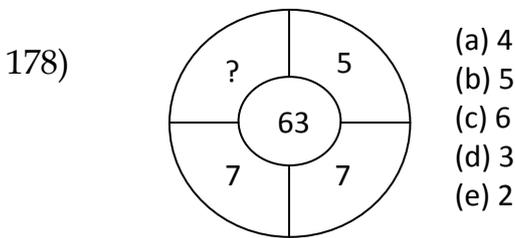


- (a) 8
- (b) 5
- (c) 12
- (d) 9
- (e) 4

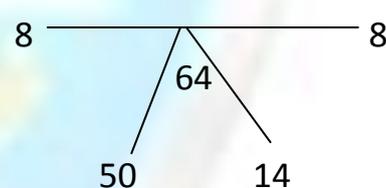
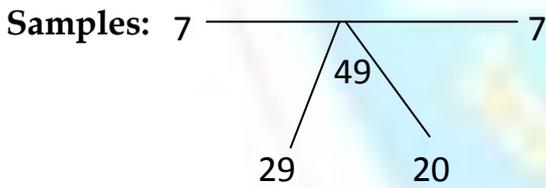
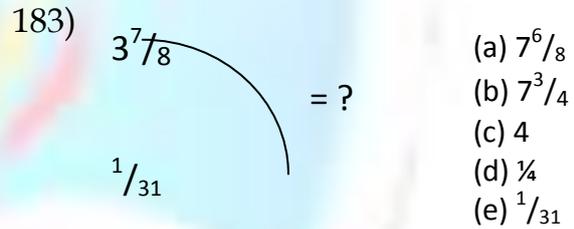
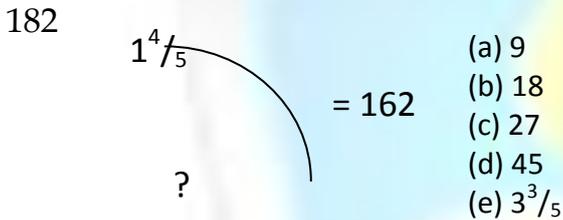
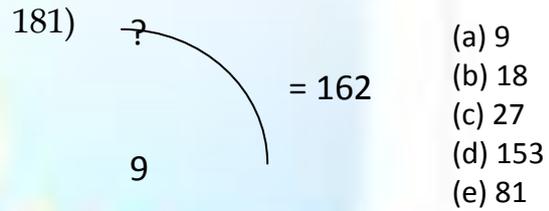
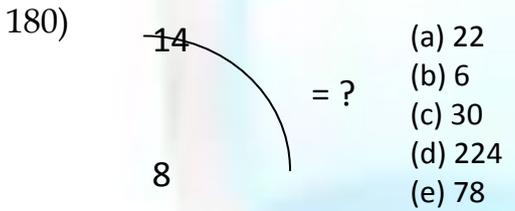
177



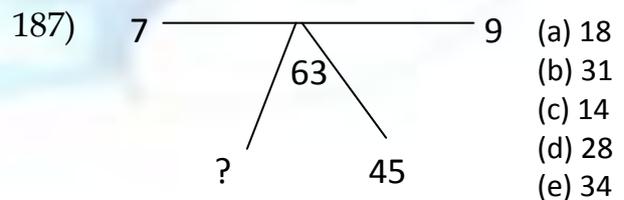
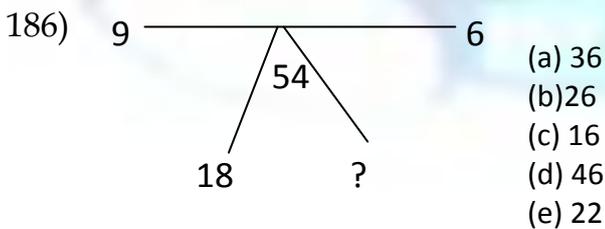
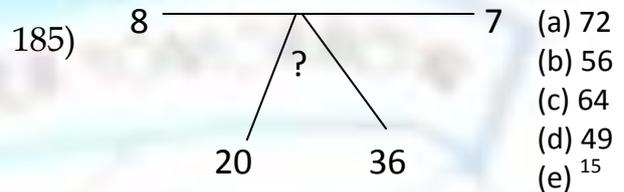
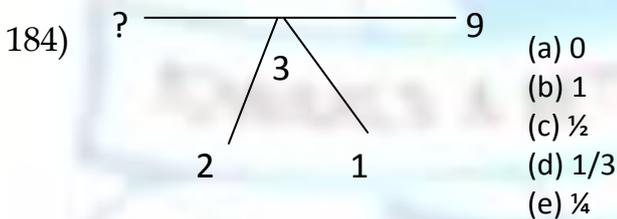
- (a) 7
- (b) 9
- (c) 12
- (d) 14
- (e) 8



**INSTRUCTION: Use the above samples to answer questions 180 - 183**



**Instruction: Use the above samples to answer questions 184 - 187**



SAMPLES: I 6 K 11 O 15 Y 25

C + R = 21  
Z - L = N

Study the above sample carefully and answer questions 188 – 192

188)  $M + M = ?$  (a) Y (b) X (c) 20 (d) Z (e) 45

189)  $3 \times H = ?$  (a) W (b) X (c) Y (d) Z (e) U

190)  $T - ? = R$  (a) F (b) I (c) L (d) Q (e) B

191)  $Z \div M = ?$  (a) B (b) C (c) H (d) P (e) N

192)  $? + L - 4 = M$  (a) 3 (b) D (c) 18 (d) E (e) X

**SAMPLES:**  $3 \begin{matrix} \textcircled{45} \\ 9 \end{matrix} 3$   
 $5$

$8 \begin{matrix} \textcircled{144} \\ 48 \end{matrix} 6$   
 $3$

$\frac{1}{2} \begin{matrix} \textcircled{25} \\ 5 \end{matrix} 10$   
 $5$

**Instruction: Use the sample above to answer questions 193 – 197**

193)  $7 \begin{matrix} \textcircled{?} \\ 14 \end{matrix} 2$   
 $3$   
 (a) 19  
 (b) 26  
 (c) 21  
 (d) 42  
 (e) 52

194)  $4 \begin{matrix} \textcircled{120} \\ 12 \end{matrix} 3$   
 $?$   
 (a) 10  
 (b) 12  
 (c) 11  
 (d) 8  
 (e) 9

195)  $\frac{1}{5} \begin{matrix} \textcircled{100} \\ ? \end{matrix} 50$   
 $10$   
 (a) 25  
 (b) 5  
 (c) 20  
 (d) 10  
 (e) 50

196)  $18 \begin{matrix} \textcircled{48} \\ 6 \end{matrix} ?$   
 $8$   
 (a) 3  
 (b)  $\frac{1}{3}$   
 (c) 1  
 (d) 0  
 (e) 2

197)  $? \begin{matrix} \textcircled{243} \\ 81 \end{matrix} 9$   
 $3$   
 (a) 9  
 (b) 8  
 (c) 3  
 (d) 12  
 (e) 15

198) 1, 1, 2, 3, 5, 8.....  
 Find the 12<sup>th</sup> term of the sequence  
 (a) 89 (b) 233 (c) 55 (d) 144 (e) 34

199) In the following series, what comes next? 1, 9, 25,.... 81, 121  
 (a) 29 (b) 36 (c) 39 (d) 49 (e) 64

200) What is the next numbers  
 2, 5, 8... 14 17  
 (a) 10 (b) 11 (c) 13 (d) 9 (e) 12

**GENERAL PAPER (SCIENCE) PAPER 1**

- The two openings of the nose are called (a) Wind pipes (b) Nostrils (c) Lungs (d) Mouths (e) Gullet
- When air is heated \_\_\_\_\_  
(a) It turns into water (b) It turns into solid (c) it turns into gas (d) It expands (e) it contracts
- \_\_\_\_\_ of the earth causes day and night  
(a) Revolution (b) Radiation (c) Rotation (d) Resolution (e) Revelation
- The earth is the \_\_\_\_\_ planet in the solar system (a) 7<sup>th</sup> (b) 6<sup>th</sup> (c) 2<sup>nd</sup> (d) 3<sup>rd</sup> (e) 1<sup>st</sup>

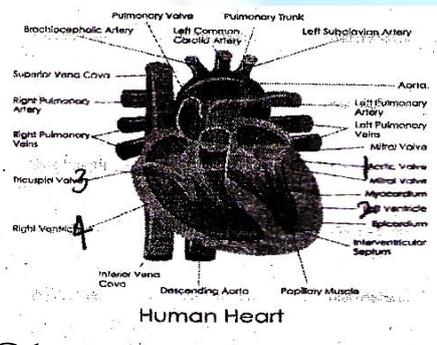


FIG 1

- The organ above has \_\_\_\_\_ chambers  
(a) 3 (b) 4 (c) 5 (d) 2 (e) 6
- What is the name of the part labeled 2  
(a) Left Auricle (b) Left ventricle (c) Right ventricle (d) Right auricle (e) Pulmonary vein
- Which organ is connected to 7 and 8.  
(a) Liver (b) Gall bladder (c) Lungs (d) Kidney (e) Bladder
- What is the main function to the organ in fig 1 (a) To transport oxygen through the body (b) To collect excretory products from inside the body (c) To pump blood through the body (d) To supply dioxide to the body

- To supply nitrogen to the body
- It is best to eat fruits \_\_\_\_\_  
(a) Canned (b) Frozen (c) Dried (d) Boiled (e) Fresh

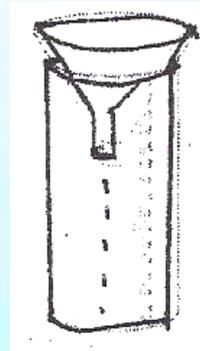


FIG 2

- What is the instrument drawn above used for?  
(a) To measure wind speed (b) To find the direction of the wind (c) To measure the intensity of the sun (d) To measure the amount of rainfall
- What is the name of the instrument in fig 2. (a) Hydro meter (b) Rain guage (c) Anemometer (d) Wind vane (e) Barometer

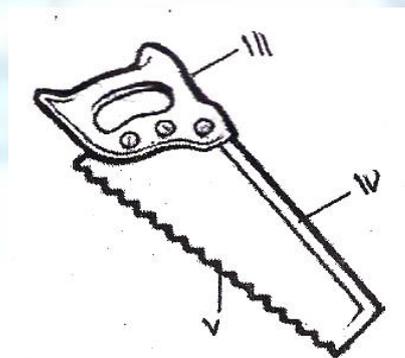


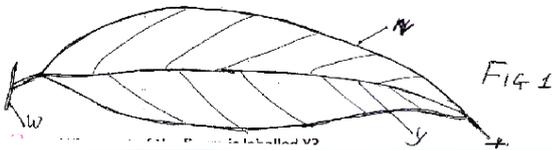
Fig. 3

- What instrument is shown in fig 3?  
(a) Saw (b) Hammer (c) Plane

- (d) Mallet (e) Drill
13. What type of tool is it?
    - (a) Planning tool (b) Burning tool
    - (c) Cutting tool (sawing tool)
    - (d) Joining tool (e) Digging tool
  14. What is the name of the part labeled iv
    - (a) Blade (b) Cutting edge
    - (c) Heed (d) Foot (e) Handle
  15. The work done by a machine is called ...
    - (a) The effort (b) The load
    - (c) The fulcrum (d) The support
    - (e) All of the above
  16. The see-saw is an example of a
    - (a) Third class lever (b) Second class lever
    - (c) First class level
    - (d) Fourth class level
    - (e) 5<sup>th</sup> Class lever
  17. The tadepole is an infant of the \_\_\_\_
    - (a) Dog (b) Mouse (c) Toad
    - (d) Butterfly (e) Moth
  18. Which of the following food gives energy to the body
    - (a) Beans (b) Meat (c) water (d) yam
    - (e) Fish
  19. What is the name given to the vessels that carry blood from the heart?
    - (a) Arteries (b) Veins
    - (c) Capillaries (d) Vessels (e) Nose
  20. Which of these is a bad health habit?
    - (a) smoking of cigarettes (b) eating of balanced diet
    - (c) Eating fruits
    - (d) exercising the body
    - (e) taking enough rest
  21. The Stethoscope is an instrument used by doctors to check the \_\_\_\_ of the heart
    - (a) Temperature
    - (b) Beat (c) Size (d) Force
    - (e) Weight
  22. What is the name given to scientists who make space travels?
    - (a) Astronaut (b) Astrologer
    - (c) Star gazer (d) Fortune seller
    - (e) Forcaster
  23. What is the name given to the male reproductory cell in human being?
    - (a) Crum (b) Sperm (c) Pollen grain
    - (d) Yolk (e) Albumen
  24. The periodic issue of blood in the adult female is known as \_\_\_\_
    - (a) Bleeding (b) Menstruation
    - (c) Issuing (d) Labouring
    - (e) Pregnancy
  25. What is the yellow part of the egg?
    - (a) Yolk (b) Albumen (c) Shell
    - (d) Abdomen (e) Baby
  26. How long does the hen lie on its egg before it hatches
    - (a) 10days (b) 12 days (c) 9days
    - (d) 21days (e) 30days
  27. The development of a baby take place in the \_\_\_\_ of a woman
    - (a) Stomach (b) Vagina (c) Womb
    - (d) Ovary (e) None of the above
  28. It is advisable to wear \_\_\_\_ clothes in cold climates
    - (a) Cotton
    - (b) Nylon (c) Rayon (d) Woolen
    - (e) Linen
  29. Which of these is the oxygen carrier in cold climates?
    - (a) Plasma
    - (b) Platelet (c) White Blood cell
    - (d) Antigens (e) Red blood cell
  30. Which type of soil is most suitable for gardening?
    - (a) Clayey
    - (b) Loamy (c) Sandy (d) Sty
    - (e) All of the above
  31. Which of the following is not a function of food?
    - (a) Growth
    - (b) Body building (c) Providing energy
    - (d) Providing resistance
    - (e) A cadent
  32. Where in human body is the heart?
    - (a) Head (b) Neck (c) Chest
    - (d) Abdomen (e) Pelvis
  33. The periodic issue of blood in the adult female is known as \_\_\_\_
    - (a) Bleeding (b) Menstruation
    - (c) Issuing (d) Labouring
    - (e) Pregnancy

34. Which part of the egg is rich in protein? (a) Yolk (b) Abdomen (c) Albumen (d) Shell (e) Egg white
35. A reflection in a mirror is called \_\_\_\_ (a) Darkness (b) Image (c) Shadow (d) Colour (e) Non of the above

Use figure 1 below to answer questions 36-40



36. What part of the figure is labeled Y? (a) Apex (b) Mid rib (c) Leaf blade (d) Stalk (e) Margin
37. Which of the labeled part is the Apex (a) W (b) X (c) Y (d) Z (e) None
38. The blade of the figure is labeled? (a) Z (b) Y (c) X (d) W (e) None
39. What is the major function of fig 1? (a) Provide energy (b) Provide shade (c) Store food (d) Manufacture plant food (e) Absorb water and mineral salt
40. Animals that feeds on both plants and animals are called \_\_\_\_ (a) Carnivores (b) Herbivores (c) Omnivores (d) Caterpillars (e) Saprophytes
41. Which of the following is a cash crop? (a) Cocoa (b) Tomatoes (c) Pepper (d) Onion (e) Maize
42. Which of these instruments is used by scientist to enlarge very small object? (a) Telescope (b) Microscope (c) Kaleidoscope (d) Periscope (e) hard lens
43. Which of the planets is nearest to the sun? (a) Pluto (b) mars (c) Earth (d) Mercury (e) Jupiter
44. What is the colour of Chlorophyll? (a) Red (b) Black (c) Brown (d) Green (e) Yellow
45. Chocolate is made from \_\_\_\_ (a) Cocoa (b) Coffee (c) Rice (d) Millet (e) Wheat
46. Energy obtained from the sun is known as \_\_\_\_ energy (a) Petrol (b) Solar (c) Electrical (d) Coal (e) None of the above
47. The degree of hotness or coldness of a body is known as \_\_\_\_ (a) Thermometer (b) Temperature (c) Themostat (d) Weight (e) Velocity
48. Which of these organs serves as a pumping station for the pumping of blood? (a) Lungs (b) Heart (c) Bladder (d) Kidney (e) Stomach
49. How many teeth has an adult human being? (a) 8 (b) 16 (c) 24 (d) 32 (e) 64
50. During digestion, starch is changed into \_\_\_\_ (a) Acid (b) Glucose (c) Sugar (d) Bread (e) Milk
51. Which of these is an organ in the male reproductive system? (a) Penis (b) Vagina (c) Womb (d) Ovary (e) Oviduct
52. When the male sperm and female eggs cell unite, they form \_\_\_\_ (a) An egg (b) A flower (c) An embryo (d) A Baby (e) An ovary
53. What is the temperature of a normal human being? (a) 98.4°C (b) 305°C (c) 37°C (d) 54°C (e) 100°C
54. Which of these should we do after visiting the toilet? (a) Brush our teeth (b) Wash our hands (c) Chew chewing stick (d) Take our birth (e) All of the above
55. Where in a hospital are surgical operations carried out? (a) Theatre (b) Laboratory (c) Ward (d) Dispensary (e) Pharmacy
56. Sanitation protects us from \_\_\_\_ (a) Taxes (b) Fighting (c) Hunger

- (d) Diseases (e) Rate
57. How long does the process of becoming a baby in the womb of human being takes? (a) 6months (b) 9months (c) 9years (d) 12months (e) 1<sup>1</sup>/<sub>2</sub>years
58. The cow that is raised purposely for its milk is called a \_\_\_\_ (a) Milk cow (b) Dairy cow (c) Farm cow (d) Livestock (e) All of the above
59. What is the main meal of the day? (a) Breakfast (b) supper (c) Lunch (d) Dinner (e) C and D
60. Solar electricity is derived from energy receive through \_\_\_\_ (a) Coal (b) Sun (c) Water (d) Uranium
61. Dog breath through lungs but fish breathes through \_\_\_\_ (a) Nose (b) Gills (c) Mouths (d) Spiracle
62. Animals with back bones are called (a) Invertebrate (b) Vertebrates (c) Mammal (d) Bony animal
63. Animals that lives in water all their life are called \_\_\_\_ (a) Terrestrial (b) Land (c) Aquatic (d) Arboreal
64. Which of the following food gives energy to the body (a) Beans (b) Meat (c) Water (d) Yam
65. Which of these is a bad health habit? (a) Smoking of cigarettes (b) eating o balanced diet (c) eating fruits (d) Exercising the body
66. The brain is protected by \_\_\_\_ (a) Cranium (b) Helmet (c) Iron bone (d) Medulla (e) Ribs
67. In plants, the reproductive organ is the \_\_\_\_ (a) Flower (b) Leaves (c) Nots (d) Seeds (e) Branches
68. A veterinarian takes care of \_\_\_\_ (a) Stones (b) Animals (c) Plants (d) Food (e) insects
69. An instrument used in reducing human labour is called \_\_\_\_ (a) Switch (b) tester (c) machine (d) document (e) files
70. Where in the plant is food usually produced (a) Root (b) Leaf (c) Seed (d) Stem (e) branch
71. Which of these is a hard drug? (a) Red wine (b) Palm wine (c) Cigarette (d) Beer (e) Cocaine
72. Animals which feed only on plants are called \_\_\_\_ (a) Mammals (b) reptiles (c) Herbivores (d) amphibiscus (e) carnivores
73. Heat from the sun gets to the earth by (a) Radiation (b) Evaporation (c) Conduction (d) Convection (e) Respiration
74. Which of the following gases will you apply to put out fire (a) Chlorine (b) Nitrogen (c) Oxygen (d) Carbon dioxide (e) Hydrogen
75. The most important material for making cement is (a) gypsum (b) alam (c) clay (d) Limestone (e) igneous rock
76. Which of the following is classified as vertebrate (a) Bed bug (b) Mosquito (c) Butterfly (d) Snail (e) Snake
77. Which of these sources of water would you regard as the cleanest? (a) Tap water (b) Pipe borne (c) Ocean (d) Spring (e) Stream water
78. Lack of vitamin B causes (a) Scurry (b) Vickety (c) beri-beri (d) high blood pressure (e) night blindness
79. The larva stage of the housefly is otherwise called (a) cymph (b) haltere (c) imago (d) caterpillar (e) maggot
80. Malaria is a disease caused by the presence of one of the following in the human beings blood (a) Protozoans (b) Mosquito larvae

- (c) Culex mosquito (d) Plasmodium  
(e) Anopheles mosquito
81. Long sight eye problem can be corrected by the use of \_\_\_\_  
(a) Convex lens (b) concave lens  
(c) bionchulars (d) microscope  
(e) telescope
82. The fats and oil in our food will make our body to become \_\_\_\_  
(a) warm (b) dry (c) cold (d) damp  
(e) smooth
83. Liquid minerals are drilled while solid minerals are \_\_\_\_  
(a) mined (b) tapped (c) drained  
(d) locked (e) sieved
84. \_\_\_\_ prevent loss of blood when there is a cut or wound on the skin by allowing the blood to clot  
(a) Lungs (b) Platelets (c) Plasma  
(d) White blood cells (e) Red blood cells
85. One of these is NOT an ingredient for soap making  
(a) Limestone (b) Caustic soda  
(c) perfume (d) Water (e) Palm oil
86. A fertilized egg is called \_\_\_\_  
(a) Zygote (b) ovum (c) Embryo  
(d) Stamen (e) Ovary
87. Which of the following is water borne disease? (a) cancer  
(b) Cholera (c) Ring worm  
(d) Blindness (e) Yellow fever
88. Which of the following is not component of the soil?  
(a) Iky (b) Humus (c) Sand  
(d) Silt (e) None of the above
89. Protein deficiency causes a disease called \_\_ (a) Meningitis (b) Beriberi  
(c) Kwashiorkor (d) Scurvy (e) Anemia
90. The following are vectors EXCEPT \_\_\_\_ (a) Butterfly (b) Housefly  
(c) tsetse fly (d) mosquito  
(e) bed bugs
91. What is the name given to the outer layer of the skin?  
(a) Exodermises (b) Endodermis  
(c) Dermis (d) Epidermis  
(e) Edodermis
92. Which of these would you use to clean the surface of a wound?  
(a) Bandage (b) Guage (c) A piece of cloth (d) Cotton wool  
(d) All of the above
93. A break of the bone is called \_\_\_\_  
(a) Dislocation (b) Sprain  
(c) Fracture (d) Strain (e) Sepal
94. The male part of the flower is called \_\_\_\_ (a) Stamen (b) stallion (c) ovary  
(d) petal (e) Sepal
95. Animals that are warm-blooded have \_\_\_\_ (a) low blood (b) not blood  
(c) high temperature (d) constant body temperature (e) red blood
96. \_\_\_\_ is the primary rock  
(a) igneous (b) Sedimentary  
(c) metamorphic (d) All of the above (e) None of the above
97. Ebola disease can be said to be a \_\_\_\_  
(a) contagious  
(b) Non communicable  
(c) Communicable (d) A and b  
(e) All of the above
98. Scientists use \_\_\_\_ to see far away objects (a) Microscope (b) telescope  
(c) hand lens (d) stethoscope  
(e) mirror
98. The largest planet is the \_\_\_\_  
(a) Pluto (b) Saturn (c) Mars  
(d) Uranus (e) Jupiter
99. Greater percentage of the atmospheric air consist of \_\_\_\_  
(a) oxygen (b) carbon dioxide  
(c) Nitrogen (d) neon (e) argon
100. What is the name of the continent not inhabited by humans?  
(a) Europe (b) Antarctica  
(c) Australia (d) Asia (e) Equator

1. When was the last census conducted in Nigeria? (a) 1991 (b) 2004 (c) 2006 (d) 2007 (e) 2008
2. The first Nigerian common wealth secretary General is \_\_\_\_\_ (a) Chief Emeke Anyaoku (b) Alvan Ikoku (c) Tafawa Balewa (d) Philip Emegwalli (e) Sunny Okosun
3. What is the full meaning of EFCC? (a) Economic and financial Crime Commission (b) Electronic and Finance Control Council (c) Electorate Fund Crime Control (d) Economic Federal Crime Control
4. \_\_\_\_\_ is the largest desert in the world? (a) Kalahari (b) Great Australian desert (c) Sahara desert (d) Infarfi desert (e) Namibian desert
5. The people in the Northern part of Nigeria are predominantly (a) Fishermen (b) Cattle rearer (c) Cocoa farmers (d) Wine tappers (e) Horticulturist
6. Night driving \_\_\_\_\_ (a) should be encouraged (b) Is very safe (c) Is very easy (d) is very quiet (e) should be avoided
7. What is the motto of the Nigeria National emblem? (a) Power and Might (b) Progress and Peace (c) Dignity (d) Peace, & progress (e) Unity and faith
8. Who among the following conducts election in Nigeria? (a) NIPOST (b) INEC (c) ING (d) APC (e) PDP
9. One of these is not regarded as a source of pollution. (a) Smoking of hemps (b) Smoke from industries (c) Smoke from car exhaust (d) Drinking of alcohol (e) Smoking of cigarette
10. A building where historical relics are kept is known as \_\_\_\_\_ (a) Library (b) Museum (c) Archives (d) theatre (e) wardrobe
11. One of the following can be controlled by man (a) Plane crash (b) locust invasion (c) Flood (d) Earthquake (e) volcanic emptions
12. Who was the first woman to become speaker in the Federal House of Representative? (a) Aderemi Tinubu (b) Patricia Etteh (c) Virginia Etiaba (d) Margaret Ekpo (e) Chioma Ajunwa
13. One of the seven wonders of the world is (a) The Great Wall of China (b) The pyramids of Egypt (c) The World Trade Centre (d) The Disney Island (e) Uncle Ben Clock
14. Someone who has won a Nobel Prize is often referred to as a Nobel \_\_\_\_\_ (a) Warrior (b) King (c) Laureate (d) Giant (e) President
15. Where was the first storey building built in Nigeria? (a) Calabar (b) Kano (c) Badagry (d) Abuja (e) Onitsha
16. \_\_\_\_\_ is referred to as grass-root government (a) State Government (b) Local Government (c) Federal Government (d) National Government (e) International Government
17. The official residence of the Nigerian President is \_\_\_\_\_ (a) Aso Rock Villa (b) White House (c) Buckingham Palace (d) Amusement Park (e) Eiffel Tower
18. A leader who considers the views of his followers is said to be \_\_\_\_\_

- (a) Autocratic (b) Democratic  
(c) Weak (d) Difficult (e) Cruel
19. What does the green coloured portion of the Nigerian National flag represent?  
(a) Dignity (b) Progress  
(c) Agriculture (d) Peace  
(e) Unity
20. Laws made by the Local Government councils are known as  
(a) Decree (b) Bye-laws  
(c) Constitution (d) Penalty (e) Acts
21. What is the main occupation of the people living in the Savannah areas of Nigeria? (a) Farming (b) Trading  
(c) Herding (d) Fishing (e) Hawking
22. Who was the first black African to be crowned Miss World? (a) Agbani Darego (b) Susan Onwural  
(c) Oluchi Onweago (d) Diana Wiwa  
(e) Buchi Emechela
23. How many continents are there in the world? (a) 5 (b) 6 (c) 7 (d) 8  
(e) None of the above
24. \_\_\_ the highest mountain in the world (a) Mount Elbert (b) Mount Everest (c) Mount Sinai  
(d) Mount Zion (e) Mount Whitney
25. The Nigerian National flag before independence was called  
(a) British flag (b) National Jack  
(c) Union Jack (d) British Jack
26. Nigeria has \_\_\_ local government  
(a) 774 (b) 668 (c) 567 (d) 123
27. Census in Nigeria is usually conducted every (a) five years  
(b) Ten years (c) Three  
(d) twenty years
28. Which of these is not a natural source of water supply?  
(a) Lake (b) Rainfall (c) Tap  
(d) River (e) Stream
29. The top of a mountain is called \_\_\_  
(a) Dale (b) Valley (c) Summit  
(d) Hill (e) landform
30. The practice whereby one man has many wives is known as \_\_\_\_  
(a) Polyandry (b) Monogamy  
(c) Marimonial (d) Polygamy (e) Bigamy
31. The first and only prime minister in Nigeria was \_\_ (a) Nnamdi Azikiwe  
(b) Tafawa Balewa (c) S.L. Akintola  
(d) Obafemi Awolowo (e) Muritala Mohammed
32. The first Nigerian Inspector General of Police was \_\_\_\_ (a) Tafa Balogun  
(b) Mike Okon (c) Sir Louis Edet  
(d) Akpan Bassey (e) Mallam Ribadu
33. One of these invented electricity  
(a) Micheal Faraday (b) Graham Bell  
(c) Thomas Edison (d) Isaac Newton  
(e) Orville and Wilbur Wright
34. World War II started in the year \_\_\_\_  
(a) 1914 (b) 1945 (c) 1939 (d) 1919  
(e) 1918
35. The largest city in Africa by population is \_\_\_\_  
(a) Ibadan (b) Cairo (c) Lagos  
(d) Johannesburg (e) Accra
36. Which of these was used to vote in Nigeria during the 2018 election?  
(a) APC (b) PVC (c) ATM  
(d) Credit card (e) Visa card
37. The face on N100 note is \_\_\_\_  
(a) Sir Ahmadu Bello  
(b) Alhaji Tafawa Balewa (c) Chief Obafemi Awolowo  
(d) Herbert Macaulay  
(e) Murtala Mohammed
38. The world soccer governing body is \_\_\_\_ (a) C.A.C (b) CHELSEA  
(c) Manchesta United (d) F.I.F.A  
(e) Liver pool
39. The incumbent Vice President of Nigeria is \_\_\_\_ (a) Namadi Sambo  
(b) Atiku Abubakar (c) Bukola Saraki  
(d) Bola Tinubu (e) Yemi Osinbajo
40. Which of these national symbols is a vow of loyalty to the country?

- (a) The National Anthem
  - (b) The Coat of Arms
  - (c) The National Pledge
  - (d) The National Award
  - (e) None of the above
41. Citizenship can be required through any of the following:
- (a) Voting exercise (b) Marriage or registration (c) Payment of taxes
  - (d) Public property
  - (e) Personal liberty
42. One of these is not a national honour award abbreviation
- (a) HRM (b) OFR (c) GCFR
  - (d) CFR (e) GCON
43. The largest mammal in the world is \_\_\_\_
- (a) Elephant (b) Whale
  - (c) Shark (d) Crocodile (e) Python
44. The Microsoft co-operation Billionaire is \_\_\_\_
- (a) Bill Gates
  - (b) Bill Clinton (c) Bill Cosby
  - (d) Bill Laden (e) Bill Smith
45. The head of the government in the United Kingdom is called \_\_\_\_
- (a) President (b) Prime minister
  - (c) Chancellor (d) Prince
  - (e) The Queen
46. Who is the owner and the C.E.O. of the famous facebook?
- (a) Eric Emerson Schmidt
  - (b) Carol Ann Bartz
  - (c) Mark Elliot Zuckerberg
  - (d) Bill Gates
  - (e) Barrack Obama
47. One of these was once the Secretary-General of United Nations
- (a) Bill Clinton (b) Adolf Hitter
  - (c) Diego Maradona
  - (d) Bariki Moon (e) Kofi Annan
48. The World Black Festival of Arts and Culture (FESTAC) took place in Nigeria in what year?
- (a) 1981 (b) 1745 (c) 1977 (d) 1978
  - (e) 1976

49. Which of the following instrument will a pilot use to navigate his way?
- (a) Anemometer (b) Thermometer
  - (c) Barometer (d) Hygometer
  - (e) Compass
50. What is the full meaning of HIV
- (a) Higher immunodeficiency virus
  - (b) Human immunodeficiency virus
  - (c) Woman immunodeficiency virus
  - (d) Humility immunodeficiency virus
  - (e) Hydro immunodeficiency virus

### **INFORMATION TECHNOLOGY**

1. \_\_\_\_ is the driver of the hardware
  - (a) CPU (b) VDU (c) Keyboard
  - (d) Software (e) Control Unit
2. Which of the following is used to clean the disk?
  - (a) Petrol
  - (b) Kerosene (c) Oil (d) Diesel
  - (e) Disk cleaner
3. The process of turning on of the computer for use is called \_\_\_\_
  - (a) Shut down (b) Double click
  - (c) Programming (d) Networking
  - (e) Booting
4. What is the full meaning of www?
  - (a) Web World wide
  - (b) World Wide Web
  - (c) Wide web wide
  - (d) World web wide
  - (e) Web wide world
5. A means of scanning document through a machine from one place to another is called \_\_\_\_
  - (a) Telephone (b) Fax (c) Television
  - (d) Radio (e) Telegraph
6. The father of computer is \_\_\_\_
  - (a) Bill Gates
  - (b) Dr Herman Hollerith
  - (c) Sir Charles Taylor (d) Abacus
  - (e) Sir Charles Babbage
7. The following are storage devices except?
  - (a) Flash disk (b) Hard disk
  - (c) hard drive (d) Diskette
  - (e) None of the above

8. A machine used in storing data and receiving such a data at any period is \_\_\_\_ (a) Typewriter (b) Computer (c) Fax machine (d) Telephone (e) Television
9. In computer, \_\_\_\_ keeps a copy of input for further use. (a) U.P.S (b) Memory (c) Monitor (d) Keyboard (e) Scanner
10. \_\_\_\_ computer can easily be carried about (a) Digital Laptop (b) Desktop (c) Table (d) Typewriter
9. The following are cooking method except (a) Boiling (b) Salling (c) baking (d) Stewing
10. Tailor's tacking is an example of (a) Temporary stitches (b) Permanent stitches (c) Decorative stitches (d) Chain stitches
11. My uncle or Aunt's child is my (a) Niece (b) Cousin (c) Nephew (d) Sibling
12. Common diseases of farm animals include all except (a) Ring worm (b) Premonia (c) Sleeping sickness (d) headache

### PREVOCATIONAL

1. One of these is not a cereal? (a) Maize (b) Rice (c) Yam (d) Wheat
2. A family with a man and a woman who had previously married with children is called (a) Extended (b) Blended (c) Polygamous (d) Nuclear
3. Post planting activities include all EXCEPT \_\_\_\_ (a) Weeding (b) Application of manure (c) Thinning & Supply (d) Storage
4. Household chores is the responsibilities of \_\_\_\_ (a) Father (b) mother (c) Children (d) Uncles
5. Annual weeds are those that grow and die within (a) One year (b) two years (c) three years (d) ten years
6. A drawing that shows how family members are related to each other is a family \_\_\_\_ (a) Tree (b) Hanger (c) Picture (d) drawing
7. An organism that lives and feeds in or on the body of another organism is known as (a) Scavenger (b) Thief (c) Parasite (d) Diseases
8. Weevils, mice, rats and bugs are all example of \_\_\_\_ pests (a) Field (b) Storage (c) invertebrate (d) Vertebrates
13. The following are examples of Endoparasite except (a) Liver fluke (b) Hookworms (c) Tick (d) Tapeworm
14. The stage where the family has young and teenage children is (a) The beginning family (b) The contracting family (c) the expanding family (d) none of the above
15. Which of these is considered as vegetables? (a) Cashew (b) Carrot (c) Mango (d) Pineapple (e) Orange
16. To dust off cobwebs from the ceiling, you need (a) Piece of rag (b) Foam (c) Long stroke broom (d) Shoot stroke broom
17. A six-flat building must have \_\_\_\_ kitchens (a) Five (b) Six (c) Seven (d) One
18. We have \_\_\_\_ types of domestic markets (a) 2 (b) 3 (c) 4 (d) 5
19. The marketing agent who buys in bulk or large quantity is the (a) Wholesaler (b) Consumer (c) Producer (d) Retailer
20. The last meal of the day is called (a) Supper (b) Breakfast (c) Brunch

- (d) Lunch
21. What packaging material is best for cotton seed oil?  
(a) Drums & Barrels (b) Plastic wraps (c) Basket (d) Cellophane Wrapper
22. Roots that develop from the radicle of the seed are called \_\_\_\_ roots  
(a) Normal (b) Adventitious (c) Roget (d) fertilized (e) Artificial
23. The immediate treatment given to an injured person is (a) Attention (b) First aid (c) Emergency (d) Suffocation
24. The cow carries the pregnancy for \_\_\_\_ days (a) 90 (b) 283 (c) 365 (d) 282 (e) 120
25. The choice of seam to use depend on (a) type of material (b) Age of the weaver (c) Purpose of garment (d) All of the above
26. Which of these is not a farm machine? (a) Harvester (b) Manure (c) Incubator (d) Plough (e) Cultivator
27. Home accidents include all except (a) Burns (b) Poisoning (c) Car accident (d) Suffocation
28. Which of these is not a condition for germination of seeds?  
(a) Pressure (b) Water (c) Warmth (d) Oxygen (e) Healthy seed
29. Which of the following is a rule for planning meals (a) The meals should be heavy (b) The meals should be balanced (c) The meals should be finished (d) The meals should be attractive
30. Which is not a domestic animal?  
(a) Dog (b) Goat (c) Sheep (d) Tiger (e) Hen
31. A sewing machine is used by a/an\_\_\_\_  
(a) Artist (b) Seamstress (c) Hostess (d) Sailor (e) Salesman
32. A device which makes work easier and faster for us is called \_\_\_\_\_  
(a) lever (b) Pulley (c) Wheel barrow (d) Machine (e) Spoon
33. Chickens are usually reared to produce \_\_\_\_ (a) Feathers (b) Milk (c) Excrete (d) Meat (e) oil
34. Which of the following is not a component of soil?  
(a) Water (b) Rock (c) Air (d) Mineral matter (e) Organic matter
35. What is the male part of a flower called? (a) Stamen (b) Distil (c) Pollen (d) Grain (e) Dispersal
36. Animals which feed only on plants are called \_\_\_\_ (a) Mammals (b) reptiles (c) Herbivores (d) Amphibians (e) Carnivores
37. An example of vitamin C is \_\_\_\_  
(a) Salad (b) Lemon (c) Egg (d) Rice (e) Milk
38. The stitches that add beauty to the dress or material is \_\_\_\_\_  
(a) Permanent stitches (b) Decorative stitches (c) Temporary stitches (d) Chain stitches
39. The kitchen floor type include all except\_\_\_\_ (a) Cement surface (b) Ground surface (c) Terrazzo surface (d) Tile surface
40. All the following are examples of food crops except \_\_\_\_  
(a) Rice (b) Yam (c) Oil palm (d) Rubber (e) Pawpaw