INSTRUCTION:

This test is meant for a psychological investigation. It consists of a number of statements relating to your feelings about yourself in everyday life. You have got four alternatives respond each of the statements. Choose any of the four alternatives responses, i.e. False, less true, Almost true and Mostly true, which most suitable indicate the frequency of your feelings and views.

Do not leave any statement unanswered.

Thanks.
<table>
<thead>
<tr>
<th>No.</th>
<th>Statement</th>
<th>False</th>
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<th>Semi True</th>
<th>Perfectly True</th>
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<tbody>
<tr>
<td>1.</td>
<td>When I am angry or not feeling well. I feel that something wrong with me.</td>
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<td>2.</td>
<td>I can not tell others. What make me angry,</td>
<td></td>
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<td>3.</td>
<td>When others are angry with me I feel irritated and cannot control my temper.</td>
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<td>4.</td>
<td>I can wait until I get a satisfied target.</td>
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<td>5.</td>
<td>I always react violently to a small problem.</td>
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<td>6.</td>
<td>When I am forced to do something, What I don’t like I can explain the reason.</td>
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**Total**

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<tr>
<td>7.</td>
<td>I can notice when other around me have changed their temperament.</td>
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<td>8.</td>
<td>I don’t care about others problems, which I don’t know.</td>
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</table>
9. I don’t agree to other views if they are different from mine.
10. I can accept that others may have their own for not agreeing to, what I do?
11. I feel that others always promote their interest.
12. I always listen to others problem even if I am busy in some work.

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<tr>
<td>13</td>
<td>It is common for me to take advantages of others.</td>
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<tr>
<td>14</td>
<td>I appreciate others sincerity for my work.</td>
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<tr>
<td>15</td>
<td>When I do something wrong, I can say “sorry”.</td>
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<td>16</td>
<td>I accept others mistake with great difficulty.</td>
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<tr>
<td>17</td>
<td>Even if I am at disadvantages, I am glad to do everything for</td>
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Total
18. I don’t feel happy to do something for others.

Total

19. I don’t know what I am good.
20. Even if it is a difficult work. I am confident that I can do it.
21. When I cannot finish my work, I feel discouraged.
22. I feel that it is good for me to do things to the best of my.
23. I don’t give up when I face obstacle and disappointments.
24. If I start doing something. I usually cannot finish it.

Total

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<td>25.</td>
<td>I try to find out the real cause of the problems.</td>
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26. Usually I don’t know what makes me unhappy.
27. I feel that it is very difficult for me to discuss how to solve the problem.
28. When I have to do several things at the same time, I can lay down the priorities.
29. I feel uncomfortable, when I live with the stranger. Whom I am not familiar with.
30. I cannot live in a strict society as it is against my nature.

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31. I can make friends easily.
32. I have many close friends who are keeping in touch with me for along time.
33. I cannot explain myself to anybody.
34. I do what I like as long as it does not create problems.
35. It is very difficult for me to agree with others even I have reason to.
36. If I do not agree with others I can express my views to make
it acceptable to others.

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<tr>
<td>37.</td>
<td>I feel I am inferior to others.</td>
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<td>38.</td>
<td>I perform all the duties very well may it be of any kind.</td>
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<td>39.</td>
<td>I can do any assigned work successful.</td>
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<td>40.</td>
<td>I am not confident if the task is difficult.</td>
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<td>41.</td>
<td>Even in the most critical circumstances, I try to perform my best.</td>
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<td>42.</td>
<td>Every problem has a way out.</td>
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<td>43.</td>
<td>When I am serious. I can relax myself.</td>
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<td>44.</td>
<td>I always feel happy with extra the curricular activities, the weekend &amp; holidays.</td>
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<td>45.</td>
<td>I am jealous when others get better things than I.</td>
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<td>46.</td>
<td>I am satisfied with myself.</td>
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<td>No.</td>
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<tr>
<td>47.</td>
<td>I don’t know what to do. When I feel bored.</td>
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<tr>
<td>48.</td>
<td>When I have nothing to perform I do what I wish to do.</td>
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<tr>
<td>49.</td>
<td>When I am upset. I know how to relax myself.</td>
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<td>50.</td>
<td>I can relax even I am tried of duty/work/task/job.</td>
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<tr>
<td>51.</td>
<td>I cannot make myself happy until I give what I want.</td>
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<tr>
<td>52.</td>
<td>I am always worried about the things that happen around me.</td>
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Appendix

Academic Achievement Test
Mathematics
Class IX

Explanation  Choose the correct answer only and make cross (x) in answer Sheet

1. What does a mean?
   a. $a \times a \times a$ —— $n$ time  
   b. $a + a + a$ —— $n$ time
   c. $n + n + n$ —— $a$ time
   d. $n \times n \times n$ —— $a$ time

2. Which one is wrong?
   a. $a = a$
   b. $a, a = a$
   c. $a = 0$
   d. $a^{-1} = 1/a^n$

3. Value of $(3a)^3$ is
   a. $27a^3$
   b. $-27a$
   c. $3a^3$
   d. $-3a^3$

4. $10 \times 10 \times 10$ is equivalent to:
   a. $10^2$
   b. $10^3$
   c. $\frac{1}{10}$
   d. $\frac{1}{10^2}$

5. $\{(2+3)^2, (2-1)^3\} - \{(3+1)^2, (3-1)^3\}$ is equal to
   a. $\frac{2}{3}$
   b. $\frac{3}{2}$
   c. $\frac{2}{3}$
   d. $\frac{3}{2}$
6. Which value is equivalent to \((2x)^5\)?
   a. \(2x\)  
   b. \(2x^6\)  
   c. \(8x^5\)  
   d. \(8x^6\)

7. Find the value of \(\frac{2^3 \times 4^{m+2}}{2^x \times 2^{m-2}}\)
   a. \(2x^2 m\)  
   b. \(4x^{m-5}\)  
   c. \(4x^5\)  
   d. \(8 \times 2^{m-5}\)

8. Find the product of 8 x 10 with 3 x 10 answer in form of \(A \times 10^\alpha\), where \(-10 < A < 10\)
   a. \(2.4 \times 10^8\)  
   b. \(2.4 \times 10^4\)  
   c. \(8.3 \times 10^8\)  
   d. \(8.3 \times 10^7\)

9. What monomial has highest degree?
   a. \(3a^b c^d\)  
   b. \(4a^b\)  
   c. \(2ab^d\)  
   d. \(-2a^b\)

10. \(4a + 3a\) equivalent to
    a. \(a\)  
    b. \(a^2\)  
    c. \(7a\)  
    d. \(7a^2\)

11. \(8a^5 b - 5a^5 b\) is equivalent to
    a. \(ab\)  
    b. \(3ab\)  
    c. \(3a^5 b\)  
    d. \(13a^5 b\)

12. \((2x)(2y)(-3)\) is equivalent to
    a. \(18x\)  
    b. \(-18xy\)  
    c. \(2xy\)  
    d. \(-2xy\)

13. \((4x+3y) + (5x+2y) - (9x-5)\) is equivalent to
    a. \(10x + 13y\)  
    b. \(5x+y\)  
    c. \(10x\)  
    d. \(10y\)
14. 

\[(2x+3)(3x-4)\] is equivalent to

\[a. \ 6x^2 +17x - 12 \quad b. \ 6x^2 - 17x -12 \quad c. \ 6x^2 - x - 12 \quad d. \ 6x^2 + x -12\]

15. 

\[x + x^2 - 3x + 6\] to divide \(x-2\). Find the numerator

\[a. \ 0 \quad b. \ 12 \quad c. \ 18 \quad d. \ 20\]

16. See the figure and choose the correct equivalent.

\[\text{Diagram of a triangle with sides 3, 4, and 5.}\]

\[a. \ b = 3 + 4 \quad b. \ b = 3 - 4 \quad c. \ 4 = b + 3 \quad d. \ 4 = 3 - b\]

17. Find long side of triangle, which is not side of a right angled triangle

\[a. \ 6, 8, 10 \quad b. \ 5, 12, 13 \quad c. \ 3, 4, 5 \quad d. \ 15, 20, 25\]

18. See the picture and find the value of \(a\)

\[\text{Diagram of a triangle with sides 2.5 and 2.4.}\]

\[a. \ 4 \quad b. \ 5 \quad c. \ 6 \quad d. \ 7\]

19. See the picture. Find the long side of \(PQ\)

\[\text{Diagram of a rectangle with sides MN and NP.}\]

\[\text{a. 14 unit} \quad \text{b. 15 unit} \quad \text{c. 16.5 unit} \quad \text{d. 16.8 unit}\]
20. If the square of diagonal of square is 50 centimeter long, find the length of the side of the square.
   a. 5 cm  
   b. 10 cm  
   c. 15 cm  
   d. 20 cm

21. Find the value of \( \frac{5}{9} \)
   a. 0.5  
   b. -0.5  
   c. 0.15  
   d. -0.15

22. Which is correct?
   a. \( \frac{0.875}{6} = 0.1375 \)
   b. \( \frac{0.062}{900} = 0.0000689 \)
   c. \( 17.67 = 17.67 \)
   d. \( 1.24 = 1.24 \)

23. Which of them are irrational numbers?
   a. \( \sqrt{2}, \sqrt{3}, \sqrt{4}, \sqrt{5} \)
   b. \( \sqrt{2}, \sqrt{5}, \sqrt{7}, \sqrt{9} \)
   c. \( \sqrt{11}, \sqrt{2}, \sqrt{5}, \sqrt{7} \)
   d. \( \sqrt{11}, \sqrt{3}, \sqrt{6}, \sqrt{25} \)

24. The direct value of \( 3\sqrt{2} + 2\sqrt{2} \) is........
   a. \( \sqrt{2} \)
   b. \( 5\sqrt{2} \)
   c. \( 6\sqrt{2} \)
   d. 10

25. The direct value of \( 2\sqrt{3} (\sqrt{3} + 2 + \sqrt{3}) \) is........
   a. 8  
   b. 10  
   c. 15  
   d. 18

26. The direct value of \( \sqrt{20} + \sqrt{180} \) is........
   a. \( 4\sqrt{20} \)
   b. \( 8\sqrt{5} \)
   c. \( 10\sqrt{20} \)
   d. \( 50\sqrt{2} \)
27. The direct value of \( \sqrt{20} \times \sqrt{3} \) is\( \sqrt{5} \) is 
   a. 4 
   b. 6 
   c. \( \sqrt{5} \) 
   d. \( \sqrt{6} \)

28. The direct value of \( 3^{\sqrt{7}} \) is 
   a. 7 
   b. \(-7\) 
   c. 49 
   d. \( \sqrt{7} \)

29. The direct value of \( 1 + \frac{1}{8} \times \frac{1}{27} + \frac{1}{84} \) is. 
   a. 50 
   b. 75 
   c. \( \sqrt{100} \) 
   d. \( \sqrt{150} \)

30. Which is wrong? 
   a. \( \pi \) is real number which is an irrational number 
   b. Some irrational numbers are real numbers 
   c. Rational number is a number which is written in a non-repeating decimal form 
   d. There is real number at least more than 1

31. See the picture, O is the center point of circle and find value of \( \hat{\alpha} \)

   a. 30 degree 
   b. 40 degree 
   c. 50 degree 
   d. 60 degree

32. See the picture, O is the center point of circle and find value of \( \hat{\alpha} \)

   a. 10 degree 
   b. 20 degree 
   c. 30 degree 
   d. 40 degree
33. See the picture. O is the center point of circle and find value of $\hat{y}$

\[ \hat{y} \]

a. 126 degree  

b. 128 degree 

c. 130 degree 

d. 132 degree 

34. See the picture and find value of $\hat{x}$

\[ \hat{x} \]

a. 62 degree  

b. 64 degree 

c. 68 degree 

d. 70 degree 

35. See the picture $OJ = 9 \text{ cm}$ and $OK = 15 \text{ cm}$. How long is $CD$?

\[ CD \]

a. 12 cm  

b. 18 cm 

c. 20 cm 

d. 24 cm 

36. From the equation $6x = 24 - 2x$, find value of $x$

\[ 6x = 24 - 2x \]

a. 0  

b. 1 

c. 2 

d. 3 

37. From the equation $(2x + 20) + (3 \times 5) = 0$, find value of $x$

\[ (2x + 20) + (3 \times 5) = 0 \]

a. 3  

b. $-3$ 

c. 25  

d. $-25$ 

38. $\frac{x + 2}{5} = \frac{2x - 7}{5}$ find value of $x$
a. 13 b. -13
c. 31 d. -31

39. $ax + b = cx + d$, find value of $x$
   a. $\frac{d - b}{a - c}$
   b. $\frac{b + d}{c + a}$
   c. $\frac{b + d + c}{a}$
   d. $\frac{b + d}{a - c}$

40. Mean in an amount which is multiplied by 5, and the result is lesser than two folds of the sum of this amount with 7. It is 5. Find that amount.
   a. $\frac{2}{3}$
   b. $\frac{19}{3}$
   c. -3
   d. 3

41. Find the answer of inequality $5x + 6 < 4x + 1$
   a. every amount less than -3
   b. every amount less than -5
   c. every amount more than -5
   d. every amount not equivalent -5

42. See the graph, answer the inequality $|x - 5| > 3$
   a. $\frac{|x - 5|}{2} > 3$
   b. $\frac{|x - 5|}{2} < 3$
   c. $\frac{|x - 5|}{2} > 3$
   d. $\frac{|x - 5|}{2} < 3$
Appendix

43. Find the answer of inequality \( 4x - 24 \not\geq 8 \)
   a. 4  
   b. -4  
   c. every amount exempts 4  
   d. every amount exemts 4, 0

44. Find the answer of equality \( \frac{x - 2}{3} \geq \frac{2x + 1}{3} \)
   a. \( x \geq 8 \)  
   b. \( x \leq 8 \)  
   c. \( x \leq -9 \)  
   d. \( x \geq 9 \)

45. Malee has some money and her father gives her 50 baht. She buys something, it costs her 62 baht. Money remaining in her pocket is not less than 100 baht. Find out how much money she has before she purchase something.
   a. 112 baht  
   b. 113 baht  
   c. 120 baht  
   d. 125 baht

46. Dang and Dum have a total amount of 25 baht, write in symbol sentence.
   a. \( x - y = 25 \)  
   b. \( xy = 25 \)  
   c. \( x + 25 = y \)  
   d. \( x + y = 25 \)

47. Which graph of the equation cuts oxalis \( y \) at point (0, 1)?
   a. \( y = x \)  
   b. \( y = 2x \)  
   c. \( y = 1 + x \)  
   d. \( y = 2 + x \)

48. Which graph of the equation passes a point (0,0)?
   a. \( y = 3x \)  
   b. \( y = x + 2 \)  
   c. \( y = 2x + 1 \)  
   d. \( y = 2x + 2 \)

49. Out of the graph of the following equation, when we draw it, it is parallel.
Appendix

a. \( y = 2x \) and \( y = -x \)

b. \( y = 4x \) and \( y = -4x + 1 \)

c. \( y = 2x + 5 \) and \( y = x + 5 \)

d. \( y = x \) and \( y = x + 3 \)

50. Which graph of equations is parallel with axial \( x \) and cut axial \( x \) at point \((0, -2)\).
   a. \( y - 2 = 0 \)
   b. \( y + 2 = 0 \)
   c. \( x + 2 = 0 \)
   d. \( x - 2 = 0 \)

51. See the graph of equation \( \begin{cases} 2x + 3y = 9 \\ x - y = 7 \end{cases} \) Where is cut?
   a. \((8,1)\)
   b. \((1,8)\)
   c. \((1,-6)\)
   d. \((6,-1)\)

52. Which pair of straight lines is the cut point of point \(15,8\) ?
   a. \( x + y = 32 \) and \( x - y = 7 \)
   b. \( x + y = 32 \) and \( x - y = 32 \)
   c. \( x + y = 7 \) and \( x - 7 = 7 \)
   d. \( x + y = 23 \) and \( x - y = 7 \)

53. Which equation has several answers in the form of \( \left[ \frac{x, x-1}{2} \right] \)
   a. \( x - 2y = 6 \) and \( x + 2y = 1 \)
   b. \( x - 2y = 1 \) and \( 2x + 4y = 2 \)
   c. \( x - 2y = 1 \) and \( 2x - 2y = 2 \)
   d. \( x - 2y = 1 \) and \( 2x - 4y = 4 \)
54. Which equation is not an answer?
   a. \(2x + 4y = 6\) and \(3x + 6y = 10\)
   b. \(x = y\) and \(y = 4\)
   c. \(x = 0\) and \(y = 0\)
   d. \(2x + y + 1 = 0\) and \(2x + y + 2 = 0\)

55. Five children and three men work together, they can finish this work within seventeen days. Three children and five men do the same work, they can finish it within fifteen days. Find ratio of work of men per children.
   a. \(3:1\)  
   b. \(3:2\)  
   c. \(4:3\)  
   d. \(5:3\)

56. See the picture and choose the correct answer.

57. Fix \(\tan A = \frac{3}{4}\). Find value of \(\sin A\).
   a. \(\frac{3}{5}\)  
   b. \(\frac{4}{5}\)  
   c. \(\frac{5}{3}\)  
   d. \(\frac{5}{4}\)

58. Value of \(\sin A\) and \(\cos A\) are the same when the value of an angle is
   a. 30 degree  
   b. 45 degree  
   c. 60 degree  
   d. 70 degree

59. \(\tan 45\), \(\cos 30\) which is its value?
   a. \(2\sqrt{2}\)  
   b. \(2\sqrt{3}\)
60. Sutep is standing far from building. He looks up at the top of the building at angle 60° when he stand 100 metres far away from it, he can see the top of building at angle 30°. Find the length of the building.

- a. 50 metre
- b. $50\sqrt{3}$ metre
- c. 100 metre
- d. $100\sqrt{3}$ metre

61. See the picture, ABC is triangle, B is a right angle. Which is correct?

- a. $r^2 = (r-1)^2 + (r+1)^2$
- b. $r^2 = (r-1)- (r+1)^2$
- c. $(r+1)^2 = (r-1)^2 + r^2$
- d. $(r-1)^2 = (r+1) + 1$

62. The price of newspaper is eight bath and company gives 15% to the distributor, if he can sell it 385 editions per day. How much he gets?

- a. 462 baht
- b. 924 baht
- c. 2618 baht
- d. 3080 baht

63. Which one is the value of $(\sin 45° + \cos 45°) (\sin 45° - \cos 45°)$?

- a. 2
- b. 1
- d. d. 0

64. See the picture, stipulate CD // EF, which conclusion is wrong.
a. $ACD = CBF$ because outside angle and inside angle are opposite on same side of cut line, they are the same shape.
b. $CBE = DCB$ because it is an opposite angle.
c. $ACD + CBF = 180$ because it is a property of delay.
d. $DCB + CBE = 180$ because size of inside angle is on the same side of cut line and include 180.

65. See the picture, stipulate $ABCD$ is a square and $ABE = CBE$ which is wrong.

66. See the picture, stipulate $AB = CD$, $AB // CD$, $CE = FB$ and $CE // FB$ which is wrong.
67. See the picture. How much is the area?

![Diagram of a shape with dimensions labeled]

a. 84 square metre  
b. 90 square metre  
c. 96 square metre  
d. 114 square metre

68. See the picture. What is the capacity? \( \text{(stipulate } \pi = \frac{22}{7} \text{)} \)

![Diagram of a shape with dimensions labeled]

a. 165.0 cubic inch  
b. 280.5 cubic inch  
c. 378.05 cubic inch  
d. 384.45 cubic inch

69. Kanit uses cone which has radius 7 centimeters high 9 centimeters and puts water in the cylinder tank, it has diameter 28 centimeters high 39 centimeter. How many times does he put water until the tank is full?

a. 26 times  
b. 52 times  
c. 108 times  
d. 364 times

70. Which monomial has coefficient 18 and degree 10?

a. \((-2)(3)\) a b c  
b. \((2)(-3)\) a b c  
c. \((-2)(-3)\) a b c  
d. \((2)(3)\) a b c
71. What is the equation of parabola?
   a. $2xy + y = 5 - x$
   b. $xy + 5 = x$
   c. $x = y = 5x + 1$
   d. $y = x + 2y + 1$

72. Equation $y = 1 - 4x$ and $y = 4x - 1$ which is correct?
   a. Two parabolas overlap because value a is equal
   b. Upper points of parabolas far from origin are equal, because the value $x$ of two upper parabolas are equal
   c. Two parabolas have the same symmetry axis because the value $x$ of two upper parabolas are equal.
   d. Two upper point parabolas are on parallel line with the axis $x$ because the value $x$ of two upper point parabolas are equal

73. Form the survey the budget of two groups of students bringing money to school, which conclusion is wrong?
   Group One 50 60 55 50 55 50 40
   Group Two 20 30 50 45 40 30 25
   a. Mode group two correct
   b. Medium group two correct
   c. Mean group one correct
   d. Mode group one correct

74. 5 3 6 9 11 7 10 5, which one is mean of data?
   a. 5
   b. 6
   c. 7
   d. 8

75. Pyramid base square has long $a$ centimeter and high $h$ centimeter. How much is the capacity?
   a. $a h$ cubic centimeter
   b. $a h$ cubic centimeter
   c. $a h$ cubic centimeter
   d. $a h$ cubic centimeter
76. Throw one coin and throw dice at the same time. Probability of getting head or tail of coin and dice is dual.

a. 2  
   3
b. 1  
   2
c. 1  
   3
d. 1  
   4

77. Throw three coins one time, probability of head of coin is more than one coin. How many?

a. 1  
   2
b. 3  
   8
c. 3  
   8
d. 7  
   8

78. From this chart, if you are a fruit seller, you should not select selling what kind of fruit?

Benefit from sell fruit in 1994 – 2002

Benefit (bath / kg)
Appendix

a. papaya because it is not sure for benefit
b. water melon because it is increases in benefit
c. rambutan because it is not sure of benefit
d. guava because it reduces in benefit

79. Result of testing ten students are 4 5 4 3 5 4 3 4 4 6 which one is middle of data.
   a. Mode because most data are repeat
   b. Medium because data are most different
   c. Mean because data are not different
   e. All are correct.

80. (x, y) are answer system of equation 2x + 3y = 1.6 and 3x - 4y = 4.1
   What is value of x - 2y ?
   a. -0.6 b. 0.7
c. 1.5 d. 7.4

..........................................................
Academic Achievement Test
SCIENCES
Class IX
Explanation: Choose the correct answer only and make cross (x) in answer sheet.

1. What kind of gas is the largest composition of the atmosphere that covers the earth?
   a. Nitrogen  
   b. Argon  
   c. Oxygen  
   d. Carbon dioxide

2. What is the meaning of “Atmosphere?”
   a. the air in a particular area.  
   b. the air in the high level.  
   c. the air around the earth and beings.  
   d. the air without pollution.

3. What is the meaning of “Air Pressure?”
   a. Air pressure force/ one unit of area.  
   b. Air Pressure force/ one unit of volume  
   c. Air Pressure force/ one unit of mass  
   d. Air Pressure force/one unit of length

4. What is the effect of CFC substance in the atmosphere?
   a. It destroys ultraviolet rays.  
   b. It destroys ozone in the atmosphere.  
   c. It causes skin cancer.  
   d. It filters the rays which harms human being.

5. Which level of the atmosphere ionizes the gas and helps to reflect the radio wave?
   a. Troposphere  
   b. Stratosphere  
   c. Mesosphere  
   d. Ionosphere
6. An air pressure is measured at 660 mmHg at the top of mountain A and at 600 mmHg at the top of mountain B. How far is the top of mountain A above sea level?
   a. 1,440 meter   b. 1,400 meter
   c. 1,200 meter   d. 1,100 meter

7. What is the meaning of Air Pressure one an atmosphere?
   a. Air pressure pushes thermometer at 70 milliliter high.
   b. Air pressure pushes thermometer at 76 centimeter high
   c. Air pressure pushes thermometer at 780 centimeter high
   d. Air pressure pushes thermometer at 760 meter high

8. What is the relation between Air Pressure and the Height From the Sea Level?
   a. Height is reduced, Air Pressure remains.
   b. Height is reduced, Air Pressure is reduced.
   c. Height is increased, Air Pressure is reduced.
   d. Height is increased, Air Pressure is increased.

9. What stationery uses the rule of air pressure?
   a. Pencil   b. Chalk
   c. Type-writer   d. Pen

10. What is the value of humidity suitable for human being’s body?
    a. 35%   b. 50%
    c. 60%   d. 100%

11. What is the direction of wind movement?
    a. from the precinct of high air pressure to the precinct of low air pressure
    b. from the area of low air pressure to the precinct of low air pressure
c. from the area of low air pressure to the precinct of high air pressure.
d. from the precinct of high air pressure to the precinct of high air pressure

12. Where does the tornado take place?
   a. Australia
   b. America
   c. Philipines
   d. Indonesia

13. What is the meaning of the symbol “H” in the weather map?
   a. high temperature
   b. source of storm
   c. high air pressure
   d. low air pressure

14. In the weather map, there is a cycle around the symbol “L” or “H”.
   What is the same quality of both cycles?
   a. Temperature
   b. Humidity
   c. high
   d. air pressure

15. Which kind of substance causes the air pollution in the heavy traffic?
   a. Sulphur dioxide
   b. Nitrogen
   c. Oxygen
   d. Carbondioxide

16. If you use unleaded oil in vehicles, which kind of pollution can be reduced?
   a. pollution gas from lead
   b. carbonmonoxide
   c. dirt
   d. carbon dioxide

17. Find a ratio between Oxygen and Nitrogen in a dry climate
   a. 1 : 3
   b. 1 : 4
   c. 1 : 5
   d. 1 : 6

18. What is the name of atmosphere layer under which we are living?
   a. Troposphere
   b. Ionosphere
   c. Stratosphere
   d. Ozonosphere
19. What is the layer of the atmosphere, which we find plenty of ozone?
   a. Troposphere   b. Ozonosphere
   c. Stratosphere   d. Magnetosphere

20. Which place has less climate?
   a. Top of the mountain   b. Valley
   c. Seacoast   d. Field

21. If we use Mars as criterion to categorize the planet, which is the inner group?
   b. Venus, Earth, Mars
   c. Mars, Jupiter, Saturn
   d. Jupiter, Venus, Saturn

22. Which planet is called “Twin Planet of Earth”?
   a. Mars   b. Venus
   c. Mercury   d. Jupiter

23. Which colour of a Fixed Star has the highest temperature on the surface?
   a. White   b. Red
   c. Blue   d. Yellow

24. Which planet is the biggest one in the solar system?
   a. Saturn   b. Uranus
   c. Jupiter   d. Neptune

25. Which composition appears in “Reflect Telescope” but it is not in “Deviate Telescope”?
   a. Concave lens, Plate mirror
   b. Concave lens, Convex mirror
   c. Concave mirror, Plate mirror
   d. Convex lens, Plate mirror
26. If you use Telescope to looking at the object very far from the eyesight, which kind of picture do you see?
   a. Red image, Upright, Small size than the stuff
   b. Real image, Up-side-down, Small size than the stuff
   c. Virtual reality, Upright, higher than the stuff
   d. Virtual reality, Up-side-down, higher than the stuff

27. If you put the object far from the lens at 6 cm, it creates the shelter of picture with the same side with the stuff, it is far from the picture at 15 cm. How long is the focus of Convex lens?
   a. 3.5 centimeter 
   b. 4.3 centimeter 
   c. 5.0 centimeter 
   d. 10.0 centimeter 

28. Panya can not read a book properly, he goes to consult an optician after he tests his eye with computer, the optician use Convex lens to make his glass, What happens to Panya’s sight?
   a. short sight 
   b. long sight 
   c. slant sight 
   d. glassy-sight 

29. If you want to make Telescope one hundred fold, which pair of long focus lens (Near object lens and Near sight lens) should be used?
   a. 1,000 centimeter and 100 centimeter 
   b. 100 centimeter and 1,000 centimeter 
   c. 10,000 centimeter and 100 centimeter 
   d. 100 centimeter and 10,000 centimeter 

30. Which items says about Telescope process correctly?
   a. use concave lens with convex lens 
   b. use only one lens but thick 
   c. use “near sight lens” being long focus, but it is longer than “near object lens”
31. An astronaut’s weight is 750 Newton on the earth. How much will be his weight when he weight in space while orbiting the earth?
   a. Zero Newton b. more than 750 Newton
c. equal 750 Newton d. less than 750 Newton

32. How does an astronaut’s body react when he has to be in a weightless condition for a long time?
   a. very difficult to move b. increased weight
c. wrinkled muscle d. a ratio of heart beat is slow

33. What is the velocity moving the object out from the influence of gravity?
   a. action velocity b. deviate velocity
c. reaction velocity d. orbit velocity

34. Mr. A’s weight is 60 kg on the earth but his weight on the moon is 10 kg. What is the right conclusion?
   a. weight is changed but mass remains  b. weight remains but mass is changed
c. weight and mass remain d. weight and mass are changed

35. What is the aim of making a rocket with several layers?
   a. load a lot of fuel b. easy to be made and economy
c. reduce mass of rocket d. save fuel

36. Which satellite does Thailand get service in televising across the country?
Appendices

c. electricity $\rightarrow$ chemical $\rightarrow$ electricity
d. chemical $\rightarrow$ electricity $\rightarrow$ chemical

43. How does dynamo change its energy?
   a. change mechanical energy to electrical energy
   b. change mechanical energy to potential energy
   c. change electrical energy to mechanical energy
   d. change electrical energy to heat energy

44. When does dynamo produce more electricity?
   a. amount of cycle wire increases
   b. wire current moves rapidly
   c. force of magnetic pole increases
   d. electric wire joined with cycle wire is more length

45. If you want to measure the power of electricity, which kind of equipment do you choose and join it with?
   a. volt meter, join series
   b. amp meter, join series
   c. volt meter, join parallel
   d. amp meter, join parallel

46. See pictures 1, 2 and 3 What is the symbol according to the order?

   (1) ——-— (2) —— (3) —

   a. resistance wire, battery, light bulb
   b. electrical cell, battery, resistance wire
   c. voltage electrical, electrical cell. Amp meter
   d. resistance wire, electrical cell, light bulb

47. Electric lamp has resistance of 55 Ohm, when it is used with electrical current 230 volt. How much current pass through it?
Appendices

a. Nimbus  b. Mas-1  
c. Telstar  d. Intelzad

37. What is the first satellite of Thailand and what is its purpose?
   a. Thaikom, communication
   b. Thaikom, meteorology and natural resource survey
   c. Shinawat, communication and natural resource survey
   d. Thaikom, communication and natural resource survey

38. What is the first satellite in the world and which country does it belong to?
   a. Sputnik 1, Russia
   b. Sputnik 1, America
   c. Sport 1, Russia
   d. Sport 1, America

39. Which item is the location of the station receiving data from a natural resource survey satellite?
   a. Bangsaen, Chonburi
   b. Sukumvit, Bangkok
   c. Sriracha, Chonburi
   d. Rachkrabung, Bangkok

40. Which system of satellite does not give service to Thailand?
   a. Meteorology  b. Natural oil survey
   c. Communication  d. Army communication

41. Which kind of current do we get from a torch and car battery?
   a. eddy current  b. direct current
   c. alternating current  d. induced current

42. What is the correct step of the change of chemical in a electric cell?
   a. electricity $\rightarrow$ chemical
   b. chemical $\rightarrow$ electricity
53. Which item is the best electrical conduct?
   a. conduct with stator resistance
   b. conduct with less resistance
   c. conduct with zero value resistance
   d. conduct with ability to change resistance

54. A conduct wire has the same type and length. Which item has more resistance?
   a. wire with the surface area 10 cm²
   b. wire with the surface area 15 cm²
   c. wire with the surface area 18 cm²
   d. wire with the surface area 20 cm²

55. How does the electrical current flow in the circuit?
   a. from low temperature to high temperature
   b. from high temperature to low temperature
   c. from low voltage to high voltage
   d. from high voltage to low voltage

**Instruction**  See the picture and use to answer a question No. 56-57

---

56. How much the total resistance from A to B is?
   a. 2.5 Ohm  
   b. 2.7 Ohm  
   c. 2.8 Ohm  
   d. 2.9 Ohm

57. How much is the resistance from A to C?
   a. 30.7 Ohm  
   b. 32.7 Ohm  
   c. 35.7 Ohm  
   d. 36.7 Ohm
Appendices

a. 1 Amp  
   c. 3 Amp
b. 2 Amp  
   d. 4 Amp

48. What is the difference between Direct Current Dynamic and Alternating Current Dynamo?
   a. turns of coil
   b. split ring and slip ring
   c. kind of magnetic pole and putting
   d. use turn one way or eternal

49. What is the cathode of torch battery?
   a. Coal
   b. zine
   c. Cooper
   d. lead

50. What is the relation of Conduct Electrical Resistance with Electrical in Circuit?
   a. If a conduct of has more resistance. It has more electrical circuit.
   b. If a conduct of has less resistance. It has more electrical circuit.
   c. If a conduct has more resistance. It has less electrical circuit.
   d. It does not have a relation with each other.

51. Which substance function as the solution of electrolyte a torch battery?
   a. coal
   b. graphite
   c. ammonium hydroxide
   d. manganessoxide

52. We decorate a party with along colorful lights, when we switch on the light, one does not work. How is the light joined?
   a. combination
   b. parallel
   c. series
   d. alternative
58. If the resistance (R) has a value of 10 Ohm and electrical current passes 1 Amp, how much is the different potential between the poles of resistance?
   a. 1  
   b. 10  
   c. 20  
   d. 100

59. Which item is wrong about Chemical Electrical Cell?
   a. different metal ionizes, it gives equal electron  
   b. metal ionizes, it gives electron well, there is low potential and it is a negative  
   c. electron is lose difficulty, it is high potential and it is a positive  
   d. electron flows from low potential to high potential

60. What is the energy which microwave oven change its power into?
   a. mechanical  
   b. light  
   c. heat  
   d. wave electrical magnetic

61. What is the meaning of Energy?
   a. battery with electrical power  
   b. car, train, plane  
   c. coal, oil, gas  
   d. working ability

62. What is the energy that the plane uses to fly up?
   a. mechanical  
   b. light  
   c. electrical  
   d. sound

63. A fuel gives the heat to water 50 cm until the temperature is high at 10 c. How much is the quality heat in water?
   a. 5 calories  
   b. 10 calories  
   c. 50 calories  
   d. 500 calories
64. That is the definition of “an absorb reaction heat”? 
   a. environment with high temperature 
   b. environment with low temperature 
   c. scum of gas leaving out 
   d. new substance and lights 

65. In boiling water at 80 cm, the temperature increases at 50 c, it consumes each fuel; kerosene oil 2.2 gm. Alcohol 2.6 gm, vegetable oil 2.4 gm.

   Arrange the fuel which gives the heat energy from high to less.
   a. vegetable oil, kerosene oil, alcohol 
   b. alcohol, kerosene oil, vegetable oil 
   c. kerosene oil, alcohol, vegetable oil 
   d. kerosene oil, alcohol, vegetable oil 

66. Which item is correct, if you are preparing food, whole heat from fuel sent to food or not, why? 
   a. whole, because it uses in preparing food only 
   b. whole, because heat energy is not lost 
   c. No, because heat energy varies into lights 
   d. No, because heat is lost for environment. 

67. Vacuum flask is designed to have two levels, there is vacuum between both levels. Which kind of protection of transmitting heat has? 
   a. conduction 
   b. convection 
   c. radiation 
   d. conduction and convection 

68. What is the meaning of “latent heat of melting”? 
   a. heat energy is used to the solid condition to liquid and increase temperature. 
   b. heat energy is used to the solid condition to liquid and reduce temperature.
c. heat energy is to the solid condition to liquid and the temperature is not changed.
d. heat energy is to the solid condition to gas and the temperature is not changed.

69. If you want to melt ice 10 gm become water at 0 c, how much heat do you want?
   a. 80 calories    b. 540 calories
   c. 800 calories   d. 54000 calories

70. If ice has mass 1,000 gm, how much heat do you want to boil water from ice having temperature at 0 c until it boils?
   a. 100 calories/gm    b. 1,800 calories/gm
   c. 10,000 calories    d. 180,000 calories/gm

71. Which is wrong about “heat”?
   a. heat pass stuff but stuff is not moved with it, it is called “condition”.
   b. heat moves without the medium, it is called “radiation
   c. heat moves with the help of molecule of substance, it is called “convection
   d. liquid, iron and gas are the best convection

7.2. How does the heat come to us? We feel hot when we sit in front of a stove.
   a. radiation    b. condition and radiation
   c. condition and radiation    d. use 3 methods

73. Which oil is used instead of diesel oil now?
   a. Gasohol    b. Biodiesel
   c. Biogas    d. Biology gas

74. Which item is the meaning of “Solar”
Appendices

a. Equipment changing electrical energy into light energy.
b. equipment changing sun energy into mechanical energy
c. equipment changing sun energy into mechanical energy
d. equipment changing sun energy into heat energy

75. What is the use of heat energy resource in Thailand?
   a. produce electricity
   b. agriculture
   c. Industry
   d. A and b are correct

76. If you want to save the fuel in transporting a large number of goods, which vehicle do you use
   a. ship
   b. train
   c. plane
   d. truck

77. Which item is not saving the energy in our daily life?
   a. use of a curtain to protect heat and sun light in order to avoid too much light in the room
   b. use only essential electrical equipment, when you finish using it, turn off immediately
   c. use normal lamp instead of fluorescent
   d. paint a house with a light colour

78. If we want to save our energy, what does we have to drive a car?
   a. 50 – 70 km/hour
   b. 60 – 80 km/hour
   c. 70 – 90 km/hour
   d. 80 – 100 km/hour

79. What is the right way of saving fuel?
   a. To save money in buying a foreign oil
   b. To use for a long time.
   c. To have a strategy in economic
   d. All items are correct
80. What is a purpose to design vehicle in a streamline shape?
   a. up to date and beauty
   b. to save the material
   c. to make a vehicle small
   e. to save energy
Explanation Choose the correct answer only and make cross (x) in answer Sheet.
Read the Dialogues or look at the picture and choose the suitable answer.

1. What is frog in the picture 1 saying?
   a. Can you catch a snake?
   b. What is the matter?
   c. Can you jump higher than me?
   d. What happened to your friend?

   **Situation**: In a restaurant, Wichai and Peter are eating Thai food.

   Wichai : Do you like chicken curry?
   Peter : ...........2............................

2. a. As chicken has low fat
   b. Yes, it’s quite all right
   c. There’s no more chicken
   d. No, because it’s too spicy

   **Situation**: A is asking B about his hobby, collecting foreign clocks.
Appendices

A : Do you collected foreign clocks?
B : ................3..............................
A : How many clocks have you collected?
B : ................4..............................

3. a. Yes, I have
   b. No, I have not
   c. I think it's great
   d. Sorry, I don't know

4. a. For days
   b. For hours
   c. About ten
   d. Eleven clocks

Situation : Jack meets John at the department store.

Jack : Hello John. How are you?
John : ........5................. What about you?
Jack : Very well, Thank you.
      What are you now, John?
John : I am ........6.............. in a computer company.
      What are you?
Jack : I am a reporter.
Situation: A is talking with B about Mark.

A : ................7............................
B : About five feet.
A : How about this studies?
B : He's not very clever but he plays the saxophone very well.
A : Is he attending classes?
B : ................8..................his father teaches him.
Situation: Don and Kim are buying some drink.

Waiter: Yes, sir?
Don: Coffee, please.
Waiter: Milk and sugar?
Don: Just sugar, please.

Waiter: Fifty cents. Yes, Miss?
Kim: A coke, please.

9. a. How much is it?
b. What can I do?
c. When will I get it?
d. How many kinds are these?

10. a. That’s a cheap
b. That costs too much
c. That’s too expensive
d. That’s sixty-five cents.
A horse no bigger than a cat

Have you ever seen a horse with toes? A million years ago, horses had many toes. They had 4 toes on each front foot. They had 3 toes on each back foot. The horse; were no bigger than cats.

Many toes help the horses run over the soft, wet ground. It was very hot in the forest. But the weather changed. It became cold. Many trees could not live in cold weather. The sun made the ground dry and hard.

Horses began to change, too. They began to grow bigger. This took along time. On the dry, hard land. Horses needed only their middle toes for running. Their middle toes became hard. After a long while, horses had only one hard toe on each foot., we call this hard toe “hoof”.

11. Long ago, the horses had 4 toes on it’s.................
   a. front feet  b. back feet
   c. left feet    d. right feet

12. The word in the story that means many trees together is.............
   a. a lot of trees  b. forest
   c. wood         d. trees together

13. “But the weather changes, it become cold” What it means?
   a. the toe      b. the horse
   c. the forest  d. the weather

14. What did the horses need on dry, hard land?
   a. their middles toes for running
   b. room for running
Appendices

c. toes for running
d. the forest

15. How can many toes help the horse?
   a. run very fast  
   b. run in the forest  
   c. run on the hard ground  
   d. run over the soft and wet ground

16. “They” began to grow bigger. “They” is means
   a. the toes  
   b. the forest  
   c. the horses  
   d. the weather

17. How long did the horse take to grow bigger?
   a. a short time  
   b. a long time  
   c. one year  
   d. four years

18. What do we call the hard toe of horse?
   a. a hard  
   b. a hoof  
   c. a hook  
   d. a head

19. This story is about
   a. the weather never changes  
   b. cats were bigger than horses  
   c. Horses changed very much  
   d. Smaller horses became bigger.

Situation :- Tom called up Bob to ask him to go to a football match

Bob : Hell!
Tom : Hi! Bob, it’s me, Tom. Are you free this evening?
Bob : ........................................20..........................
Tom : I’ve got two tickets for a football match
Bob : ...............21..................
Tom : 7.00 p.m.
Read the given situation and choose the right word/ sentence / statement

Mr. Snow is calling to Mr. Hill, who is manager of Funny Travel Company. He wants to change the time his journey, but Mr. Hill, he went to the Board. He can contact with his secretary, she is Laura then she write memo in the form and send to Mr. Hill. What does she write in this form?

**Office Memo**

From : 22.....To : 23
Date : May 13, 2002
Time : 10.15 a.m.
Telephone Message : Change the time to Monday 14th at 1.30 p.m
Taken by : Laura

22. a. Mr. Hill  b. Manager
c. Mr. Snow  d. Miss Laura

23. a. Mr. Hill  b. Mr. Snow
c. Miss Laura  d. The secretary
Pongsak descriptive the past experience to his teacher but it is lose something.

Choose the word, sentence or statement and put it for completely.

<table>
<thead>
<tr>
<th>When I was in Mathayom 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>I was involved in some really bad things. I used to take drugs and drink alcohol. I was really out of control and left my family home. My parents tried to help me, but I didn’t listen. One day my mother cried and said “I felt so ashamed. So I decided to stop taking drugs and study harder.</td>
</tr>
</tbody>
</table>

24. a. use to take  
    b. used to take  
    c. am used to take  
    d. am used to taking

25. a. try helping  
    b. try to help  
    c. tried helping  
    d. tried to help

26. a. cry  
    b. cries  
    c. cried  
    d. is crying

Choose right answer that is suitable for the given situation (27-28)

27. If you would like invite your friends to play sports. How should you write a letter invite them?
   a. Sports are fun  
   b. Make fun is sports  
   c. Be funny make sports  
   d. You make sports funny

28. Doctor gives medicine for the patient, which text does he write on the medicine very complete?
a. Get after meals medicine three times.
b. Give medicine after meals three times.
c. Take medicine three times a day after meals.
d. After meals, three times to take medicine.

29. How do you warn your friend before leaving the class room?
   a. Never turn off the light before leaving the room
   b. Don’t forget to turn off the lights before living
   c. No forgetting to turn off the lights before living
   d. Shouldn’t forget to turn off the lights before living

30. How do you write to tell your friends for avoid drugs?
   a. Just say “NO”
   b. Don’t smoke
   c. Don’t make fun of drug
   d. Just say “NO” for to be number one

Relationship of language with other concepts:
Appendices

Bangkok
Forecast for metropolitan Bangkok until tomorrow morning. Hot with Isolate shower or thunder shower, southern winds 15-30 kmh; minimum temperature 27 C (81 F) maximum temperature 37 C (99 F)

Chang Mai
Hot with widely scattered thunder shower and gusty winds in some places: minimum temperature 25 C (77 F) maximum temperature 36 C (97 F)

Khon Kaen
Hot with widely scattered thunder showers and gusty wings in some places: minimum temperature 26 C (79 F) maximum temperature 34 C (93 F)
### Nakorn Rachasrima
Hot with widely scattered thunder showers and gusty wings in some places: minimum temperature 26 C (79 F) maximum temperature 39 C (102 F)

### Pattaya
Cloudy with widely scattered showers or thunder showers, slight sun; minimum temperature 28 C (82 F), maximum temperature 33 C (91 F)

### Koh Samui
Cloudy with widely scattered showers or thunder showers, slight sun; minimum temperature 26 C (79 F), maximum temperature 32 C (90 F)

### Songkhla
Cloudy with widely scattered showers or thunder showers, slight sun; minimum temperature 25 C (77 F), maximum temperature 36 C (97 F)

### Phuket
Cloudy with widely scattered showers or thunder showers, slight sun; minimum temperature 26 C (79 F), maximum temperature 34 C (93 F)

---

31. From the weather forecast, which has the lowest temperature?

32. What’s the weather in Koh Samui today?
   a. It’s pretty hot  b. It’s rather cool  c. It’s quite cool  d. It’s warm but not too hot

33. Which city is hottest?
34. Which province will not have thunder showers and gusty winds?
   a. Songkhla       b. Chang Mai
   c. Khon Khen       d. Nakorn Rachasrima

35. Which is not true?
   a. Southern winds 15-30 kmh are predicate in Bangkok
   b. Minimum temperature in Pattaya is 28 C
   c. Maximum temperature in Bangkok is 99 F
   d. Chang Mai is hotter than Khon Khen

Match the newspaper, articles with the headlines

A. Robbery in Art museum
B. Traffic chaos
C. Indian Elephant dead at Honululu Zoo
D. Police kill murderer
E. Missing schoolboy
36. Two Tories crashed at the centre of a new road system and caused traffic jam for 7 mile queue. It took drivers three times longer to travel the same distances as on the road.

37. Police yesterday began to look for thieves who stole 14 paintings from a museum in Taipei. The paintings were among the best in museum.

38. Alan Cobb, the 15 year-old schoolboy, is missing from his home in North Birmingham. He did not return home on Tuesday evening.

39. An elephant to the Honolulu Zoo gifted by The Indian Prime Minister Rajiv Gandhi died on Christ Day from a bacterial infections.

40. A man suspected of having murdered a former Ayudhaya major last June was shot dead in brief by police yesterday.
Appendices

Read the dialogued, sentence, cartoon and choose the suitable answer (41-60)

Woman: Mary told me that she was sorry for spilling the tea on your notebook.
Man: It’s easy for her to say sorry. My notebook is spoiled.

41. In your opinion, how does the man feel?
   a. Angry          b. Happy
   c. Excited        d. Frightened

42. What does the above sign mean?
   a. You are allowed to park your bicycle here.
   b. You should walk with your bicycle here
   c. You are allowed to ride your bicycle here
   d. You are not allowed to ride your bicycle here

Dear Jimmy,
I’m feeling very tried. Could you go shopping for me this evening? Please let me know tour accepted
Love,
Maria
Dear Maria,

I’m sorry because I’m busy this evening. I have to wash my car. What about tomorrow?

Love

Jimmy

43. Why did Maria write the notes to Jimmy?
Because............................................................................................................

...........

a. Jimmy wants to tell Maria that he is tired.
b. Maria asks Jimmy to go shopping for her
c. Maria wants to thank Jimmy for writing to her
d. Jimmy wants to make an appointment with Maria

44. You are going to a park in the evening. The weather is fine. The grass is so green that you want to sit on, but you can't because you see the sign...board.

a. NO PARKING

b. NO BICYCLE PLEASE

c. PLEASE KEEP OFF THE GRASS
Mr. Matin went to her daughter’s house. While she was going home. She found a ball falling beside her. She stood looking at the ball. She scored of goal! A boy kissed her. The other boys towards her to thank her.

45. According to the above passage, what is the correct of the pictures above?

a. 1, 2, 3  
   b. 2, 1, 3  
   c. 3, 2, 1  
   d. 1, 3, 2

46. How do the boys in the picture 2 Look?

a. Bored  
   b. Angry  
   c. Pleased  
   d. Annoyed

47. What did the two boys like?
a. Christmas holiday  
b. Christmas presents  
c. Going to see people  
d. Ski  

48. When the boy in the picture C said "Me neither" he means that.....

a. his relatives come to his home  
b. Last year, he went skiing on Christmas.  
c. He doesn’t go on vocation on Christmas  
d. He can’t wait until Christmas this year.

---

Hello, Gloria. Your mother called me. She is worried about you.

Yes, it's true. I'm feeling awful.

Yes, it's a bad case of flu. You have a temperature of 39°C. You should stay in bed for at least 5 days, and you should drink a lot of water or fruit juice. You're going to prescribe some medicine, too.

What else is the matter? It sounds like the flu. I'm going to take your temperature and examine your throat.

My head aches, my eyes are watering, I feel dizzy all the time. I couldn't even stand up this morning.
49. Where did the story take place?
   a. At Gloria’s house  
   b. At the drug store  
   c. At Dr. Young’s clinic  
   d. At Dr. Young’s office

50. From the story, which sentence is not true?
   a. Cloria has a sore throat  
   b. Gloria feels much better  
   c. Gloria feels awful and dizzy  
   d. Gloria has a high temperature
51. What are the above advertisements about?
   a. Music  
   b. Events  
   c. Cinemas  
   d. Eating out

52. ...............Offers the customers a variety of fresh sea food.
   a. Restaurant A  
   b. Restaurant B  
   c. Restaurant C  
   d. Restaurant D

---

Special Offer!
New Zealand

Self-drive holidays
Daily departure (5 day / 4 night)
2 persons : 30,950/person
3 persons : 29,650/person
4 persons : 29,350/person
Tickets + Accom + Breakfast + Car rental included
(seat-in-coach tour available)
Call now - - - many more
Special packages await you!

53. From the above advertisement, what does “sell-drive holiday” mean?
   a. Leading a car for vacation  
   b. Renting a car for vacation  
   c. Traveling alone on vacation  
   d. Having vacation on one’s own car
54. According to the advertisement, What do you get from the special packages?
   a. Ticket, accommodation, three meats, car rental
   b. Car rental, rooms, three meats, seat in coach
   c. Ticket, breakfast, seat in coach
   d. Car rental, tickets, breakfast, accommodation

55. What time does the first programme begin? At...
   a. 6.00    b. 6.30
   c. 7.30    d. 1.30

56. If your assignment is to write a report on animals’ lives, which programme will you watch?
   a. Earth visions    b. Sesame Street
Appendices

57. If you want to watch the sports programme, what time will you choose?
   a. 7.30          b. 10.30
   c. 11.00         d. 12.30

<table>
<thead>
<tr>
<th>Destination</th>
<th>Time</th>
<th>Fare</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stadium</td>
<td>40 min.</td>
<td>$5.00</td>
</tr>
<tr>
<td>City</td>
<td>30 min.</td>
<td>$1.50</td>
</tr>
<tr>
<td>Museum</td>
<td>40 min.</td>
<td>$7.00</td>
</tr>
<tr>
<td>Direct to museum</td>
<td>15 min.</td>
<td>$7.00</td>
</tr>
</tbody>
</table>

58. What is the cheapest fare to go to the City stadium?
   a. By bus          b. By taxi
   c. By train        d. Either by bus or by taxi

59. How long will it take you to go to the Palace Hotel by taxi?
   a. 15 min.         b. 20 min.
   c. 40 min.         d. 55 min.

60. What is the fastest way to go to the National Museum?
   a. By taxi         b. By bus
   c. By train        d. Both by train and by taxi
APPENDICES

Put in order the following of statements from 61-65 items

(1) Next pour some oil into the pan
(2) What for a minute until the egg is well done?
(3) Put the pan on the stove
(4) Serve the friend egg with fish sauce and chilly

61. a. 3142  b. 1342  c. 2431  d. 4312

62. a. 3241  b. 1234  c. 2431  d. 3412

63. a. 3142  b. 1432  c. 2134  d. 4123

(1) Sometimes he is rather naught at home, but usually does what he is
told
(2) He is 14 years old and is younger to me
(3) Peter is the youngest boy in our family
(4) He has bright eyes and a friendly smile

(1) At 11.40 P.M the ship hit an iceberg
(2) The ship began to lean and sank quickly
(3) In early April 1912. The Titanic sailed from Southamton
(4) Water immediately poured in all through the ship

(1) Yes. How do you do?
(2) Please to meet you.
(3) Hello you must be Mr. Richards
(4) Please to meet you.
### APPENDICES

64.  
<p>| | | | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>a.</td>
<td>3124</td>
<td>b.</td>
<td>1324</td>
</tr>
<tr>
<td>c.</td>
<td>2431</td>
<td>d.</td>
<td>4312</td>
</tr>
</tbody>
</table>

(1) I saw her in Bangkok  
(2) Have you ever seen a famous singer?  
(3) Really? Where did you see her?  
(4) Yes. I have. I’ve seen Ta Ta Young.

65.  
<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>a.</td>
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<td>b.</td>
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<tr>
<td>c.</td>
<td>2431</td>
<td>d.</td>
<td>4312</td>
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</tbody>
</table>

66.  
On a plane is exciting  
<table>
<thead>
<tr>
<th>a.</th>
<th>Fly</th>
</tr>
</thead>
<tbody>
<tr>
<td>b.</td>
<td>Flew</td>
</tr>
<tr>
<td>c.</td>
<td>Flying</td>
</tr>
<tr>
<td>d.</td>
<td>Being fly</td>
</tr>
</tbody>
</table>

67. Linda wants to write, but she doesn’t have any paper. She needs some….. papers.  
<p>| | | | |</p>
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<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>a.</td>
<td>write</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c.</td>
<td>wrote</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b.</td>
<td>writes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d.</td>
<td>plain</td>
<td></td>
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</tbody>
</table>

68. New York City is .................than Bangkok  
<p>| | | | |</p>
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<thead>
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</thead>
<tbody>
<tr>
<td>a.</td>
<td>modern</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c.</td>
<td>modernist</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b.</td>
<td>more modern</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d.</td>
<td>most modern.</td>
<td></td>
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</tbody>
</table>

69. Which is correct?  
<p>| | | | |</p>
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<thead>
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<th></th>
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<tbody>
<tr>
<td>a.</td>
<td>hot-hoter-hotest</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c.</td>
<td>little-less-least</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b.</td>
<td>bad-badder-baddest</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d.</td>
<td>dry- dryer-drying</td>
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<td></td>
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</tbody>
</table>

70. Neil likes to ride a horse......................?  
<p>| | | | |</p>
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<thead>
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</thead>
<tbody>
<tr>
<td>a.</td>
<td>does he</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c.</td>
<td>did he</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b.</td>
<td>doesn’t</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d.</td>
<td>didn’t he</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

71. I’m older to you.  
<p>| | | | |</p>
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</thead>
<tbody>
<tr>
<td>a.</td>
<td>Am I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>c.</td>
<td>are I</td>
<td></td>
<td></td>
</tr>
<tr>
<td>b.</td>
<td>amn’t I.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>d.</td>
<td>aren’t</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
72. There are a lot of signs on the side of the .......... 
   a. hill  
   c. river  
   e. river  
   b. farm  
   d. highway

73. Water, milk and lemonade are.......... 
   a. appetizers  
   c. cereal  
   e. appetizers  
   b. beverage  
   d. entrees

74. This fish tastes terrible!. I don’t think it’s............... 
   a. cheap  
   c. free  
   b. chop  
   d. fresh

75.................. The house on the corner? That is house I was born. 
   a. Do you see  
   c. Do you seeing  
   b. Does you see  
   d. Does do sees

76. We.............. Practicing meditation for two hours.  
   a. has been  
   c. will  
   b. have been  
   d. shall

77. The students............... to school when it.......... to rain this morning.  
   a. were going, began  
   c. were going, begin  
   b. was going, began  
   d. were going, begin

78. She................a drink after she............her dinner.  
   a. have, had  
   c. had, had had  
   b. has, had  
   d. have, had

79. My parents...............advised by my principal last week.  
   a. is  
   c. were  
   b. are  
   d. have

80. She usually...............after playing a game.  
   a. relaxed  
   c. is relaxing  
   b. be relaxed  
   d. relaxes
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<th>English</th>
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<td>A 43 A</td>
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</tr>
<tr>
<td>40</td>
<td>A 80 C</td>
<td>40</td>
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</tbody>
</table>
APPENDICES

SURVEY QUESTIONNAIRE

I am doing a research project for which the following information will be used only for research purpose and will be kept strictly confidential. I seek your full cooperation in this matter.

Name ...................
SEX ( ) Male ( ) Female
Code No..............

Section I.

1.1. Do you taking drugs and not-taking drugs used as central nervous system depressants?

( ) taking ( ) not-taking

1.2. The types of drug used as central nervous system depressants:

( ) Opium ( ) Red duck
( ) Heroine ( ) Chlodiacipoxide
( ) Morphine ( ) Tinner
( ) Red evil ( ) Cekonbamitaban
( ) Lacquer ( ) Glue
( ) Barbiturate ( ) Alcohol
( ) Valium ( ) Hypogenous pill
( ) Sekanon

1.3. The frequency of drug used as central nervous system depressants.
1.4. The reasons for taking drugs as central nervous system depressants.

( ) Inquisitiveness
( ) Accompany friends
( ) Entertainment
( ) Anxiousness and suffering
( ) Vested interests
( ) Other reasons

SECTION II

2.1. Do you taking drugs and not-taking drugs used as central nervous system stimulants?

( ) taking  ( ) not-taking

2.2. The types of drug used as central nervous system stimulants.

( ) (YaBa) Methamphetamine  ( ) Ice
( ) Coffee-leaf  ( ) Diet pill
( ) Anphetamine
( ) Ya. E (Ectacy)
( ) Cocaine
( ) Caffeine
( ) Kratom
APPENDICES

2.3 The frequency of drug used as central nervous system stimulants:

( ) Never
( ) Only once
( ) Scarcely
( ) Frequently
( ) Always

2.4 The reasons for taking drugs as central nervous system stimulants:

( ) Inquisitiveness
( ) Accompany friends
( ) Entertainment
( ) Anxiousness and suffering
( ) Vested interests
( ) Other reasons

SECTION III

3.1. Do you taking drugs and not-taking drugs used as analgesic and hallucinogens?

( ) taking  ( ) not-taking

3.2 The types of drug used as analgesic and hallucinogens:

( ) Ya.K (Ketamine)  ( ) Glue tinner gas
( ) L.S.D (Lyserlid)  ( ) Tinner water gas
( ) Bensin  ( ) D.N.I
( ) Glue puncher gas
APPENDICES

3.3 The frequency of drug used as analgesic and hallucinogens.
( ) Never
( ) Only once
( ) Scarcely
( ) Frequently
( ) Always

3.4 The reasons for taking drugs as analgesic and hallucinogens.
( ) Inquisitiveness
( ) Accompany friends
( ) Entertainment
( ) Anxiousness and suffering
( ) Vested interests
( ) Other reasons

SECTION IV

4.1 Do you taking drugs and not-taking drugs used as having side effects on the body?
( ) taking ( ) not-taking

4.2 The types of drug used as having side effects on the body.
( ) Marijuana
( ) Mary-jane
( ) Thai-stick
4.3. The frequency of drug used as having side effects on the body:
( ) Never
( ) Only once
( ) Scarcely
( ) Frequently
( ) Always

4.4 The reasons for taking drugs as having side effects on the body:
( ) Inquisitiveness
( ) Accompany friends
( ) Entertainment
( ) Anxiousness and suffering
( ) Vested interests
( ) Other reasons

..............................................................