NIFT

National Institute of Fashion Technology

General Ability Test (GAT) – 03

MAX. MARKS : 100
TIME ALLOWED : 120 MINUTES

GAT comprises of the following sub - tests.

1.   Quantitative Ability

2.   Communication Ability, English Comprehension

3.   Analytical Ability

4.   General Knowledge

Instructions for the candidate :

- Each question carries one mark.

- Answers are required to be marked only on the OMR/CR answer sheet, which will be provided separately.

  Each question is following by four answer choices which are marked a, b, c, d on the answer sheet.

⊠ PAGE®

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1. In a class of 60 children, 30% children can speak only English, 20% Hindi and English both and the rest of the children can speak only Hindi. How many children cna speak Hindi ?

   a) 42
   b) 36
   c) 30
   d) 48

2. The diameter of an inflow pipe to a water tank is double the diameter of overflow pipe. If the water is supplied to the tank at 20 km/h, at what rate the water will flow through the overflow pipe once the tank is full ?

   a) 20 km/h
   b) 40 km/h
   c) 80 km/h
   d) None of these

3. If the difference of simple interest at 12% per annum on a certain sum for 2 yr and 4 yr is

   Rs 864, them the sum, is

   a) Rs 2500
   b) Rs 3000
   c) Rs 3200
   d) none of these

4. A man can row 15 km/h downstream and 9km/h upstream. What is the difference between the speed of the stream and that of the boat in still water ?

   a) 12 km/h
   b) 9 km/h
   c) 8 km/h
   d) None of the above

5. The least number of five digits, which is exactly divisible by 12, 15 and 18 is

   a) 10080
   b) 10020
   c) 11240
   d) 11010

6. The length of an arc which subtends an angle of 2 radians at the centre is

   a) r
   b) $r/3$
   c) $r/2$
   d) 2r

7. 3268.7 + 326.87 + 3.2687 + 3.2687 = ?

   a) 3658.3127
   b) 36583.127
   c) 365.82573
   d) 3631.5257

8. Simplify $3\frac{1}{2} - \left[2\frac{1}{3} + 2 \div \left\{ 4 \times \frac{1}{2} + \left(3\frac{1}{2} - 2\frac{1}{2} \right) \right\} \right]$

   a) $\frac{1}{2}$
   b) $\frac{2}{3}$
   c) $\frac{1}{4}$
   d) none of these

9. Two in-pipes A and B can fill a tank in 8 h and 12 h respectively. A third exit pipe can empty this tank in 4.8 h time. The exit pipe has been choked as a result of which it operates at 80% of its capacity. If all the pipes are opened together on an empty tank, in how much time the tank will be full of water ?

   a) 12 h
   b) 20 h
   c) 24 h
   d) none of these

10. $X\sqrt{0.09} = 3; X = ?$

    a) 10
    b) 30
    c) 3
    d) 9

11. If n is odd, then $4^n + 1$ is divisible by

    a) 3
    b) 4
    c) 5
    d) none of these

12. The length and breadth of a rectangle is increased by 20% and 25% respectively so that both length and breadth become same. The increase in area of the resulting square is

    a) 40%
    b) 20%
    c) 50%
    d) 25%

13. The salaries of A, B and C are in the ration of 1:2:3. The salary of B and C together is Rs 12,000. By what percent is salary of C more than that of A

    a) 100%
    b) 150%
    c) 200%
    d) 250%

14. 'A' can do a piece of work in 45 days, while 'B' alone can do it in 30 days. In how many days can 'A' and 'B' working together do it ?

    a) 15 days
    b) 18 days
    c) 21 days
    d) none of these

15. One side of a rectangle is x inches. The perimeter is p inches, what is the length (in inches) of the other side.

   a) $\dfrac{p}{2}$
   b) $\dfrac{p-2x}{2}$

   c) $p - x$
   d) $\dfrac{p}{2} - 2x$

16. If $(l \times m \times n) = \sqrt{\dfrac{(l+x)(m+3)}{(n+2)}}$, the value of $(16 \times 13 \times 6)$ is

   a) 6
   b) 8
   c) 4
   d) 2

17. The sum of two numbers is thrice their difference. If one of the number is 8, then the other number is

   a) 12
   b) 14
   c) 16
   d) 18

18. If $2^{x-1} + 2^{x+1} = 320$, then x is equal to

   a) 5
   b) 6
   c) 7
   d) 8

19. If 15% of 40 is greater than 25% of a number by 2, the number is

   a) 16
   b) 20
   c) 24
   d) 28

20. A shopkeeper was having his shop painted. He was advised that he would require 25 kg of paint. Allowing for 15% wastage and assuming that the paint is available in 2 kg cans. What would be cost of paint purchased, if one can cost is Rs 16 ?

   a) Rs 160
   b) Rs 200

   c) Rs 240
   d) Rs 280

21. The value of

   $$\dfrac{(0.0247)^3 + (0.8653)^3}{(0.0247)^2 - 0.0247 \times 0.8653 + (0.8653)^2} \text{ is}$$

   a) 1.00
   b) 0.89
   c) 0.79
   d) 0.69

22. Four girls P, Q, R and S divide a bag of sweets. P takes 2/3rd of them, Q 1/5th of the remainder and the rest is equally shared between R and S. What fraction of the sweets did R or S get ?

   a) 2
   b) $\dfrac{2}{15}$
   c) $\dfrac{15}{2}$
   d) 15

23. One fourth of one third of two fifth of a number is 15. What will be 60% of that number ?

   a) 190
   b) 170
   c) 270
   d) 230

24. $\left[\dfrac{1}{512}\right]^{\frac{2}{3}} \div \left[\dfrac{1}{64}\right]^{\frac{4}{3}} = ?$

   a) 1
   b) $\dfrac{1}{4}$
   c) 4
   d) $\dfrac{1}{6}$

25. If the price of milk is increased by 30%, find by how much percent must a householder reduce her consumption of milk so as not to increase the expenditure ?

   a) 24%
   b) 25%
   c) 23.07%
   d) 26%

Direction (Q. Nos. 26-28) : In these questions, choose the alternative which is some in meaning to the key-word.

26. ADVERSARY

   a) opponent
   b) colleague
   c) friend
   d) comrade

27. AFICIONADO

   a) ruffian
   b) beautiful
   c) lover of an art/fan
   d) attractive

28. BAUBLE

   a) toy
   b) ornament
   c) bubble
   d) instrument

Direction (Q. Nos. 29-31) : In these questions, choose the alternative which is opposite in meaning to the keyword.

29. VORACIOUS

   a) hungry
   b) content
   c) insatiable
   d) ravenous

30. ZENITH

   a) top
   b) peak
   c) elevation
   d) bottom

31. MALICIOUS

   a) spiteful
   b) hateful
   c) reckless
   d) kind

Direction (Q. Nos. 32-34) choose the exad meaning of the idioms / phroses from the given alternatives.

32. A sight for sore eyes
    a) someone you are happy to see
    b) someone you are unhappy to see
    c) a ghastly sight
    d) sore eyesight

33. A poker face
    a) a beautiful face
    b) sad face
    c) showing no emotion
    d) funny facial expression

34. An axe to grind
    a) grinding an axe
    b) a point to discuss or argue about
    c) a lecture, a scolding
    d) a bawling out

Direction (Q. Nos. 35-37) : Fill in the blank space of the sentence so that it becomes meaningful and correct

35. The prafessor can sit on the desk, but you can sit ____ ?
    a) before the desk
    b) in front of the desk
    c) both (a) & (b) are correct
    d) none of the above

36. Everyone in the class ____
    a) except me got the answer
    b) me got the answer
    c) except myself got the answer
    d) none of the above

37. Based on shaky historical precedent, the rule itself ____ ?
    a) a latecomer to the rules of writing
    b) is a latecomer to the rules of writing
    c) would a latecomer to the rules of writing
    d) none of the above

Direction (Q. Nos. 38-40) : Choose the most appropriate word to fill the blank space in these sentences.

38. It ... a pleasant surprise to see him.
    a) was   b) is
    c) would   d) none of these

39. One must know ... roots and never forget them.
    a) about his   b) his
    c) one's   d) none

40. Shyam jumped .... the cliff, but still survived with minor injuries.
    a) from   b) off
    c) in   d) none

Direction (Q. Nos. 41-45) : Read the passage carefully and answer the questions based on it.

PASSAGE

A certain hare, who was very proud of his speed as a runner, once laughed at a tortoise that crept slowly on the ground. "You show, old creature". He cried. "Can't you go any faster than that ?" "I may be slow" said the tortoise, "but I could beat you in a race". They deiced to run for half a mile. Off went the hare in quick leaps and bounds while the tortoise plodded along, never stopping, never looking back. Soon the swift hare ourran the tortoise to such a length that he made a jest of the matter. "Ha, ha", laughed the hare, as he stepped half-way to look back at the slow tortoise. Then the hare thought, "there is no need for me to run so fast. I will lie down and rest." So the hare lay down under a tree and soon fell fast asleep. He did not hear the little feet of the tortoise come creep-creep-creeping up the place where he lay. And rigtht past the sleeping hare went the tortoise, slowly and steadily, never once looking behind him. Presently, the hare awoke and started racing towards the winning post like a streak of lightning. "Here I am," cried a little voice from the end of the wood, 'I'm at the winning post and have been sitting here waiting for you for some time." The hare was ashamed of himself; for had he not been beaten by the tortoise at whose slow pace he had laughed?

41. The hare was ashamed of himself because he
    a) laughed at the tortoise
    b) underestimated the tortoise as a runner
    c) was defeated by the tortoise who could never run as fast as he
    d) none of the above

42. Ultimately, the tortoise won the race because of its

    a) style of running

    b) being speedier than the hare

    c) being older than the hare

    d) steadiness and hare's pride

43. The torroise neither stopped nor looked back while the race was on because

    a) he wanted to win the race

    b) it was the rule of the race

    c) he was afraid of the hare

    d) none of the above

44. The hare laughed at the tortoise because the tortoise

    a) was lazy

    b) was slow runner

    c) was an old creature

    d) none of these

45. The hare lay under the tree because

    a) he was tired

    b) he was ahead of tortoise

    c) he was sure of winning the race

    d) none of the above

Direction (Q. Nos. 46-50) : Read the passage given below and answer the questions that following by choosing the correct option.

PASSAGE

Lizard island is only 30 km off the far north Queensland coast and 250 km north of Cairns, the most northerly city in Northeastern Australia. The 1,012 hectare island is spectacularly rugged with vegetation ranging from grassland to rainforest and encompassing pandanus swamp, eucalypt woodland and mangroves. The most recent discoverers of this island were Sir Sydney Williams and another north Queensland businessman, Mr. john Wilson, now a Brisbane share broker. For several years from 1968, they camped on Lizard island for annual fishing holidays and in 1974 after obtaining it from the Queensland Government on lease with other business-men, built four cabins for guests. In the next step of development in 1978, they raised the number of bungalows to eight, then to fifteen in 1982 and in 1984 ultimately the complex was bought by the Queensland State Government Insurance Office.

The island is consistently visited by those who seem to be quite careful about their health. Each has all the facilities expected in such an elegant resort including well-stocked mini bar. It is because of this that Australian Prime Ministers for the decade or so have taken heed, as they constantly retreat to this island to rest, relax and lick the wounds of office. Since this island attracts people from all over the world, most of the time it remains packed. One of the island resoft's founders, Queensland aviation pioneer, Sir sydney Williams, affirms that a sturdy Arab Sheikh once came ashore from a chartered luxury yacht and tried to book a suite for the night. When told the place was full, he hastily produced a cheque book and offered to buy it.

46. Who, amongst the following, discovered the Lizard island ?

    a) John Wilson and a Brisbane share broker

    b) Sidney Williams and a Queensland aviation pioneer

    c) North Queensland businessman

    d) Brisbane share broker and a Queensland aviation pioneer

47. Which of the following, reasons prompted the Arab Sheikh to buy the island ?

    a) He was impressed by the beauty of the island

    b) He wanted to stay there for a night

    c) He felt offended due to refusal of accommo dation

    d) None of the above

48. Which of the following is not true in the context of the passage ?

    a) In the first step of development eistht bunga lows were developed

    b) Lizard island has become a busy island

    c) Lizard island is full of greenery

    d) None of the above

49. What were the first and the foremost thing that struck to the discoverers for the development of the island ?

a) to build four cabins for guest

b) to associate government officers

c) to give a decorative look by growing vegeta tion

d) None of the above

50. The Lizard island is situated nearest from

a) North America

b) South America

c) Cairns

d) North Queens land

Direction (Q. Nos. 51-55) : Read the following information carefully and answer the questions below it.

Expenditure on Agriculture from different sources of five different States in India during a certain period

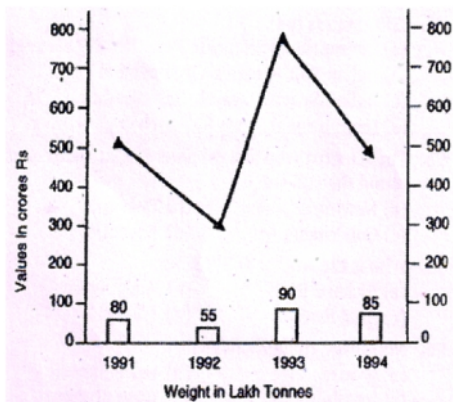| States	Govern ment	Local	Endow ments	Subsidy	Others	Total
Maharash tra	198	58	80	224	70	630
Uttar Pradesh	420	98	124	158	110	910
Andhra Pradesh	550	70	150	110	80	960
Tamil Nadu	725	234	221	170	100	1450
Punjab	600	160	130	100	210	1200

51. Which state has maximum subsidy percent on agriculture ?

a) Maharashtra   b) Up

c) Andhra Pradesh   d) Tamil Nadu

52. The item on which exactly 50% of the total depends for two States is

a) local funds   b) endowments

c) subsidy   d) government funds

53. The number of sources covering less than 25% of the total in Andhra Pradesh is

a) one   b) two   c) five   d) four

54. Number of occasions in which any source is more than 10% of the overall total is

a) two   b) three

c) four   d) only once

55. By what percentage is the source of 'others' contribute to the overrall total of all states ?

a) 8   b) 9

c) 11   d) 13

Direction (Q. Nos. 56-60) Answer these questions on the basis of the information given below.

i)   In a class of 80 students, the girls and the boys are in the ratio of 3 : 5. The students can speak only Hindi or only English or both Hindi and English.

ii) The number of boys and the number of girls who can speak only Hindi is equal and each of them is 40% of the total number of girls.

iii) 10% of the girls can speak both the lan guages and 58% of the boys can speak only English.

56. How many girls can speak only English ?

a) 12   b) 29

c) 18   d) 15

57. In all how many boys can speak Hindi ?

a) 21   b) 9

c) 24   d) Data inadequate

58. What percentage of all the students (boys and girls together) can speak only Hindi ?

a) 24   b) 40   c) 50   d) 30

59. In all, how many students (boys and girls together) can speak both the languages ?

a) 15   b) 12   c) 9   d) 29

60. How many boys can speak either only Hindi or only English ?

a) 25   b) 38   c) 41   d) 29

Direction (Q. Nos. 61-65) : Answer the questions based on the following chart.

Weight in Lakh Tonnes

61. The value per kilogram of rice exported was maximum in the year
   a) 1991
   b) 1992
   c) 1993
   d) 1994

62. The value of rice exported during the first three years, as compared to the export of rice during the last three years is
   a) Rs 25 crores more
   b) Rs 60 crores more
   c) Rs 35 crores more
   d) Rs 50 crores less

63. What is the growth rate of the value per kilogram of rice exports from 1992 to 1993 ?
   a) 60%
   b) 52.84%
   c) 80%
   d) 73%

64. The average quantity of rice exported per year during this period is ___ in lakh tones.
   a) 67.5   b) 79.4   c) 77.5   d) 57

65. If the value of rice exports in 1995 is obtained by following the same straight line from 1993 to 1994, what is the value of rice exports in 1995 (in Rs Crores) ?

   a) 250   b) 300   c) 200   d) 350

Direction (Q. Nos. 66-70) : A company has six workers of different efficiencies. The workers are, A, B, C, D, E and F.

C is four times as efficient as A

B is 1/3 times as efficient as C

D is 4/5 times as efficient as A

E is 5/2 times as efficient as D

F is 6/5 times as efficient as B

66. Who among the follwing will take minimum days / time to finish an entrusted job, while working alone
   a) B   b) C   c) E   d) F

67. Who among the following will take maximum days / time to finish an entrusted job, while working alone
   a) A   b) B   c) D   d) F

68. Which of the following represents the descending order of efficiency of workers ?
   a) C, E, F, B, A, D.   b) D, A, B, F, C, E
   c) D, A, B, F, E, C   d) None of these

69. Combined efficiency of which of the following pairs is maximum ?
   a) C, E   b) E, F   c) C, F   d) E, B

70. Combined effciency of which of the following group is the least ?
   a) C, E, F   b) E, F, B
   c) B, A, D   d) F,B,A

71. The Headquarters of Asian Development Bank is in
   a) Thailand   b) Malaysia
   c) South Korea   d) Philippines

72. The first Indian satellite was launched from which country ?
   a) USA   b) USSR
   c) France   d) Germany

73. The National Bird of India is
   a) Peacock
   b) The Great Indian Bustard
   c) Pigeon
   d) Golden Eagle

74. Which of the fibers is not a plant product ?
   a) Hemp   b) Cotton
   c) Plax   d) Silk

75. Population explosion has occurred in the last
    a) 500 years
    b) 300 yeares
    c) 100 years
    d) 50 years

76. One - rupee note bears the signature of the
    a) governor of Reserve Bank of India
    b) Finance Minister
    c) Secretary, Ministry of Finance
    d) President of India

77. The weight of a person can be zero when
    a) he is falling freely
    b) he is orbiting in a satellite
    c) he is in an aero plane flying at a high altitude
    d) he is in a lift moving upwards with constant speed

78. 2051 MW Parvati Hydro-Electric Project, biggest of its kind in Asia, is being built in
    a) Haryana
    b) Jammu & Kashmir
    c) Himachal Pradesh
    d) Uttar Pradesh

79. Who is not a Bhakti poet ?
    a) Namdev
    b) Kabir
    c) Nirala
    d) Mirabai

80. Surrogate mother is
    a) Artificially inseminated female.
    b) A female carrying several embryos.
    c) Future mother with embryo implanted from another source
    d) A mother without lactation.

81. Which is not a mixture ?
    a) Milk
    b) Aspirin
    c) Chromatography
    d) Sublimation

82. Marble is an example of a/an
    a) compound
    b) mixture
    c) element
    d) none of these

83. Economic Planning is a subject
    a) in the Union List
    b) in the State List
    c) in the Concurrent List
    d) unspecified in any special list

84. The Planning Commission is
    a) a Ministry
    b) a Government department
    c) an Advisory department
    d) an Autonomous Corporation

85. Mahatma Gandhi was referred to as Father of Nation first by
    a) Vallabh Bhai Patel
    b) C. Rajagopalachari
    c) Subhas Chandra Bose
    d) Jawahar Lal Nehru

86. The first Nuclear reactor of India is
    a) Kamini
    b) Urvasi
    c) Apsara
    d) Purnima

87. Who invented typewriter ?
    a) Shockley
    b) Pascal
    c) Sholes
    d) waterman

88. Who is the Author of 'Love Story' ?
    a) Anita Desai
    b) T.S. Eliot
    c) Vikram Seth
    d) Erich Shegal

89. Number of players required in Water Poloare
    a) 7
    b) 9
    c) 5
    d) 11

90. What is the ratio between width and length of the Indian flag ?
    a) 1:2
    b) 2:3
    c) 5:7
    d) 4:5

91. The first Weekly Paper published by the Indian in 1889 was
    a) Voice of India
    b) Indian Opinion
    c) Young India
    d) India

92. ISRO stands for

    a) International Scientific Research Organization

    b) Indian Salt Research Organization

    c) Indian Space Research Organization

    d) International Space Research Organization

93. The scientist who first discovered that earth revolves round the sun was

    a) Newton

    b) Dalton

    c) Copernicus

    d) Einstein

94. Who is the Author of 'illusions'

    a) Richard Bach

    b) Amita Nair

    c) Abul Fazal

    d) T.S. Eliot

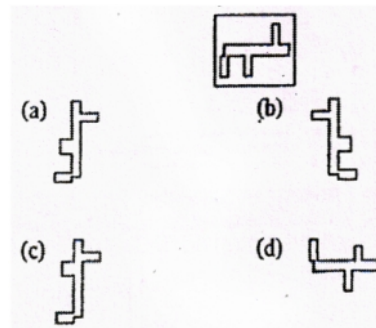95. Non-living things may show

    a) growth

    b) reproduction

    c) irritability

    d) none of these

96. The largest planet in the solar system is

    a) Jupiter

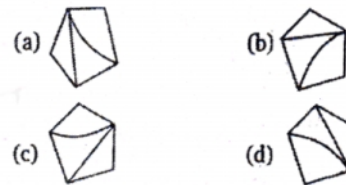   b) Earth

    c) Venus

    d) Pluto

97. A comet moves around the

    a) sun

    b) moon

    c) earth

    d) planets

98. Where will Winter Olympic 2010 be held ?

    a) Doha

    b) Guanjhou

    c) Turin

    d) Vancovur

99. Which of the following shapes fits into the puzzle

100. Which is the odd one out ?

Key:

1.a	36.a	71.d
2.c	37.b	72.b
3.d	38.a	73.a
4.v	39.b	74.d
5.a	40.b	75.d
6.d	41.c	76.c
7.d	42.d	77.a
8.a	43.a	78.c
9.c	44.b	79.c
10.a	45.c	80.c
11.c	46.d	81.b
12.c	47.c	82.a
13.c	48.a	83.a
14.b	49.a	84.c
15.b	50.d	85.c
16.a	51.a	86.c
17.c	52.d	87.c
18.c	53.d	88.d
19.a	54.b	89.a
20.c	55.c	90.b
21.a	56.d	91.d
22.b	57.a	92.c
23.c	58.d	93.c
24.b	59.b	94.a
25.c	60.c	95.a
26.a	61.c	96.a
27.c	62.d	97.a
28.b	63.b	98.d
29.b	64.c	99.b
30.d	65.a	100.c
31.d	66.b	
32.a	67.c	
33.c	68.a	
34.b	69.a	
35.c	70.c	