TARA INSTITUTE

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TEST T1-3

Time Allowed: 60 MINUTES
Maximum Marks: 60

NAME: _____   MARKS OBTAINED : _____

EXAM CENTRE. : _____   REMARKS : _____

QUANTITATIVE APTITUDE

1. What is the total number of candidates at an examination, if 31% fail, and the number of those who pass exceeds the number of those who fail by 247?
   (a) 605   (b) 560
   (c) 650   (d) 1,650
   (e) None of these

2. In an election between two candidates, the candidate who gets 30% of the votes polled is defeated by 15,000 votes. What is the number of votes polled by the winning candidate?
   (a) 11,250   (b) 15,000
   (c) 26,250   (d) 37,500
   (e) None of these

3. If A's salary is 25% higher than B's salary, then how much per cent is B's salary lower than A's ?
   (a) $16\frac{1}{3}\%$ (b) 20%
   (c) 25%   (d) $33\frac{1}{3}\%$
   (e) None of these

4. The total population of a village is 5000. The number of males and females increases by 10% and 15% respectively and consequently the population of the village becomes 5600. What was the number of males in the village?
   (a) 2000   (b) 2500
   (c) 3000   (d) 4000
   (e) None of these

5. A store raised the price of an item by exactly 10 per cent. Which of the following could not be the resulting price of the item ?
   (a) ₹ 5.50   (b) ₹ 7.60
   (c) ₹ 11.00   (d) ₹ 12.10
   (e) None of these

6. In an examination, 65% students passed in Civics and 60% in Histroy, 40% passed in both of these subjects. If 90 students failed in History and Civics both, then what is the total number of students?
   (a) 600   (b) 650
   (c) 700   (d) 750
   (e) None of these

7. 40% of the people read newspaper X, 50% read newspaper Y and 10% read both the papers. What percentage of the people read neither newspaper?
   (a) 10%   (b) 15%
   (c) 20%   (d) 25%
   (e) None of these

8. 40% of the students in a college play basketball, 34% of the students play tennis and the number of students who play both the games is 234. The number of students who neither play basketball nor tennis is 52%. Determine the total number of students in the college.
   (a) 750   (b) 960
   (c) 900   (d) 850
   (e) None of these

9. In a factory, producing parts of an automobile, the parts manufactured on the shop floor are required to go through quality checks, each conducted after a specific part of the processing on the raw material is completed. Only parts that are not rejected at one stage are put through subsequent stages of production and testing. If average rejection rates at these three testing stages during a month are 10%, 5% and 2% respectively, then what is the effective rejection rate for the whole plant ?

(a) 17%   (b) 15.20%

(c) 84.80%   (d) 16.21%

(e) None of these

10. The length of a rectangular plot is increased by 25%. To keep its area unchanged, the width of the plot should be :

(a) kept unchanged   (b) increased by 25%

(c) increased by 20%   (d) reduced by 20%

(e) None of these

11. By selling 66 metres of cloth a man loses the selling price of 22 metres. Find the loss per cent.

(a) 20%   (b) 25%

(c) 30%   (d) 35%

(e) None of these

12. A single discount equal to a discount series of 10% and 20% is

(a) 25%   (b) 28%

(c) 30%   (d) 35%

(e) None of these

13. A tradesman is marketing his goods 20% above the cost price of the goods. He gives 10% discount on cash payment, find his gain percent.

(a) 12%   (b) 8%

(c) 15%   (d) 18%

(e) None of these

14. For a certain article, if discount is 25%, the profit is 25%. If the discount is 10%, then the profit is

(a) 10%   (b) 20%

(c) 35%   (d) 50%

(e) None of these

15. A trader marks his goods at such a price that he can deduct 15% for cash and yet make 20% profit. Find the marked price of an item which costs him ₹ 90 :

(a) ₹ $135\frac{11}{13}$ (b) ₹ $105\frac{3}{21}$

(c) ₹ $127\frac{1}{17}$ (d) ₹ $95\frac{1}{21}$

(e) None of these

16. A manufacturer sells a pair of glasses to a wholesale dealer at a profit of 18%. The wholesaler sells the same to a retailer at a profit of 20%. The retailer in turn sells them to a customer of 25%. The cost price of the manufacturer is

(a) ₹ 15   (b) ₹ 16

(c) ₹ 17   (d) ₹ 18

(e) None of these

17. A shopkeeper sells a pair of sunglasses at a profit of 25%. If he has bought it at 25% less and sold it for ₹ 10 less, then he would have gained 40%. Determine the cost price of the pair of sunglasses.

(a) ₹ 50   (b) ₹ 25

(c) ₹ 75   (d) ₹ 60

(e) None of these

18. A cycle agent buys 30 bicycles, of which 8 are first grade and the rest are second grade for ₹ 3150. Find at what price he must sell the first grade bicycles so that if he sells the second grade bicycles at third quarter of the price, he may make a profit of 40% on both the type of transactions?

(a) ₹ 200   (b) ₹ 240

(c) ₹ 180   (d) ₹ 210

(e) None of these

19. On selling a pen at 5% loss and a book at 15% gain, Karan gains ₹ 7. If he sells the pen at 5%, and the book at 10% gains, then he gains ₹ 13. The actual price of the book is :

(a) ₹ 100   (b) ₹ 80

(c) ₹ 10   (d) ₹ 40

(e) None of these

20. A video magazine distributor made 3500 copies of the March issue of the magazine at a cost of ₹ 3,50,000. He gave 500 cassettes free to some key video libraries. He also allowed a 25% discount on the market price of the cassettes and gave one extra cassette free with every 29 cassettes bought at a time. In this manner, he was able to sell all the 3500 cassettes that were produced. If the market price of a cassette was ₹ 150, then what is his gain or loss percent for the March issue of the video magazine?

    (a) 3.4% loss   (b) 15% gain

    (c) 40% gain   (d) 6.8% loss

    (e) None of these

21. 39 persons can repair a road in 12 days, working 5 hours a day. In how many days will 30 persons, working 6 hours a day, complete the work ?

    (a) 10   (b) 13

    (c) 14   (d) 15

    (e) None of these

22. A garrison has provisions for certain number of days. After 15 days 1/4 of the men left and if it is found that the provisions will now last just as before, how long was that ?

    (a) 50 days   (b) 60 days

    (c) 70 days   (d) 40 days

    (e) None of these

23. One man can set 180 tiles in one day. Five men were engaged for 2 days to set the floor with tiles completely.

    If area of each tile is $2\dfrac{3}{4}$, then area of floor is,

    (a) 1500 ft^2 (b) Data insufficient

    (c) 2700 ft^2 (d) 2000 ft^2

    (e) None of these

24. A garrison of 3000 men has provisions for 25 days, when given at the rate of 900 g per head. At the end of 11 days, a reinforcement arrives and it was found that now the provision will last 10 days more, when given at the rate of 840 g per head. What is the strength of reinforcement ?

    (a) 1500 men   (b) 1800 men

    (c) 1950 men   (d) Cannot be determined

    (e) None of these

25. If 8 men or 17 boys can do a piece of work in 26 days, how many days will it take for 4 men and 24 boys to do a piece of work 50×0.9 times as great ?

    (a) 680 days   (b) 612 days

    (c) 61 days   (d) 68 days

    (e) None of these

26. A contract is to be completed in 56 days and 104 men were set to work, each working 8 hours a day. After 30 days, $\dfrac{2}{5}$ of the work is finished. How many additional men may be employed so that work may be completed on time, each man now working 9 hours per day ?

    (a) 60 men   (b) 64 men

    (c) 52 men   (d) 56 men

    (e) None of these

27. A hostel has provisions for 250 students for 35 days. After 5 days, a fresh batch of 25 students were admitted to the hostel. Again after 10 days, a batch of 25 students left the hostel. How long will the remaining provisions survive ?

    (a) 21 days   (b) 20 days

    (c) 19 days   (d) 18 days

    (e) None of these

28. Two coal loading machines each working 12 hours per day for 8 days handles 9,000 tonnes of coal with an efficiency of 90%. While 3 other coal loading machines at an efficiency of 80% set to handle 12,000 tonnes of coal in 6 days. Find how many hours per day each should work.

    (a) 15 hrs   (b) 16 hrs

    (c) 18 hrs   (d) 20 hrs

    (e) None of these

29. Ten men begin to work together on a job, but after some days, 4 of them leave. As a result, the job which could have been completed in 40 days is completed in 50 days. How many days after the commencement of the work did the 4 men leave ?

    (a) 25 days   (b) 20 days

    (c) 23 days   (d) 18 days

    (e) None of these

30. A man and a boy together can do a certain amount of digging in 40 days. Their skills in digging are in the ratio of 8 : 5. How many days will the boy take, if engaged alone.

   (a) 52 days   (b) 104 days

   (c) 68 days   (d) 80 days

   (e) None of these

31. In a partnership between A, B and C, A's capital is ₹ 4,000. If in a profit of ₹ 800. A's share is ₹ 200 and C's share is ₹ 100, then B's capital is

   (a) ₹ 8,000   (b) ₹ 2,000

   (c) ₹ 10,000   (d) ₹ 5,000

   (e) None of these

32. A began business with ₹ 12500 and is joined afterwards by B with ₹ 37500. When did B join, if the profits at the end of the year are divided equally?

   (a) 8 months   (b) 9 months

   (c) 10 months   (d) 7 months

   (e) None of these

33. A began business with ₹ 45,000 and was later joined by B with ₹ 54,000. When did B join if the profit at the end of the year were divided in the ratio 2 : 1?

   (a) 5 months after   (b) 10 months after

   (c) 7 months after   (d) None of these

   (e) None of these

34. A and B rent a pasture for 10 months; A puts in 80 cows for 7 months. In how many cows can B put for the remaining 3 months, if he pays half as much again as A?

   (a) 120   (b) 180

   (c) 200   (d) 280

   (e) None of these

35. Two friends P and Q started a business investing in the ratio of 5 : 6. R joined them after six months investing an amount equal to that of Q's. At the end of the year, 20% profit was earned which was equal to ₹ 98,000. What was the amount invested by R?

   (a) ₹ 1,05,000   (b) ₹ 1,75,000

   (c) ₹ 2,10,000   (d) Data inadequate

   (e) None of these

36. Which of the following fractions is the largest?

   (a) $\frac{7}{8}$ (b) $\frac{13}{16}$

   (c) $\frac{31}{40}$ (d) $\frac{63}{80}$

   (e) None of these

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

   (a) 10010   (b) 10051

   (c) 10020   (d) 10080

   (e) None of these

38. The greatest number of four digits which is divisible by 15, 25, 40 and 75 is :

   (a) 9000   (b) 9400

   (c) 9600   (d) 9800

   (e) None of these

39. Monica, Veronica and Rachael begin to jog around a circular stadium. They complete their revolutions in 48 seconds, 64 seconds and 72 seconds respectively. After how many seconds will they be together at the starting point ?

   (a) 336   (b) 252

   (c) 576   (d) Cannot be determined

   (e) None of these

40. Three girls start jogging from the same point around a circular track and each one completes one round in 24 seconds, 36 seconds and 48 seconds respectively. After how much time will they meet at one point?

   (a) 2 minutes, 20 seconds

   (b) 2 minutes, 24 seconds

   (c) 4 minutes 12 seconds

   (d) 3 minutes 36 seconds

   (e) None of these

REASONING ABILITY

41. In a certain code language the word 'STANDING' is written as 'NATSGNID'. How will the word 'PRODUCES' be written in that language?
    - (a) DOPRSECU
    - (b) DORPSCEU
    - (c) DORPSECU
    - (d) DORPESCU
    - (e) None of these

42. In a certain language the word DISTANCE is written as FLUWCQEH. How will the word NUMERALS be written in that code language?
    - (a) PXNHTDNV
    - (b) PXOITDNV
    - (c) PWOHTDNV
    - (d) PXOHTDNV
    - (e) None of these

13. In a certain code language, the word FUTILE is written as HYVMNI. How will the word PENCIL be written in that language?
    - (a) OIFRLT
    - (b) OIFRLS
    - (c) OLFRIT
    - (d) None of these
    - (e) None of these

44. If PAIN is coded as UFNS, then what will be the code for REST in that code language?
    - (a) QFRS
    - (b) WJXY
    - (c) PCQV
    - (d) ANPL
    - (e) None of these

45. If ASSIGN is codded as SASING, then KIDNAP is coded as
    - (a) IKNDPA
    - (b) IKDNPA
    - (c) IKDNAP
    - (d) IKAPDN
    - (e) None of these

Directions (Q. 46-50): *Below are given letters and their numeric codes. Below that are given some conditions to be followed while codifying the given letter groups in each question. Study them and find out the correct numeric coded form of the given letter group in each question. If none of the coded form is correct, your answer will be (e) i.e, 'None of these'.*

Digit	M	Q	I	N	E	Y	U	G	R
Code	2	5	3	7	1	8	4	6	9

Conditions:
- (i) If the first and last letters are vowels both are to be coded as $.
- (ii) If the second letter is a vowel and the third letter is a consonant, a single code is to be used and both are to be coded jointly as %.

- (iii) If the first letter is a consonant and the last letter is a vowel, both are to be coded as '?'

46. ENIMY
    - (a) 1%28
    - (b) ?732?
    - (c) 17328
    - (d) ?7328
    - (e) None of these

47. GENIR
    - (a) ?173?
    - (b) 6%39
    - (c) 6%79
    - (d) 61739
    - (e) None of these

48. QUERI
    - (a) 5%93
    - (b) ?413?
    - (c) ?4139
    - (d) ?419?
    - (e) None of these

49. EINUM
    - (a) 1%72
    - (b) 0%42
    - (c) 1374?
    - (d) 13742
    - (e) None of these

50. UNGRE
    - (a) 769
    - (b) 4769$
    - (c) 47691
    - (d) $7691
    - (e) None of these

51. Among five friends Mahesh is taller than Karan but not Yash. Hrithik is taller than Yash but not Abhishek. If they stand in increasing order of their heights, who will be first in line ?
    - (a) Abhishek
    - (b) Yash
    - (c) Karan
    - (d) Data inadequate
    - (e) None of these

52. Among M, T, R and P, M is older than only P. T is older than R. Who among them is the oldest ?
    - (a) T
    - (b) R
    - (c) T or R
    - (d) Data inadequate
    - (e) None of these

53. Among A, B, C,D and E, A is taller than B but shorter than C. B is taller than only E. C is not the tallest. Who among them will be in the middle if they stand in the order of their heights?
    - (a) A
    - (b) C
    - (c) 8
    - (d) Cannot be determined
    - (e) None of these

54. Among P, Q, R, S and T, S is older than R but not as old as T; Q is older than only P. Who among them is the youngest?

   (a) P   (b) Q

   (c) R   (d) Cannot be dtermined

   (e) None of these

55. Geeta is senior to Shilpa but not to Deepa. Gayatri is junior to Reepa. No one is senior to Fatima. Who is most junior?

   (a) Shilpa   (b) Geeta

   (c) Gayatri   (d) Data inadequate

   (e) None of these

56. Sobha was facing East. She walked 20 metres. Turning left she moved 15 metres and then turning right moved 25 metres. Finally, she turned right and moved 15 metres more. How far is she from her starting point.

   (a) 25 metres   (b) 35 metres

   (c) 50 metres   (d) 45 metres

   (e) None of these

57. Jatin leaves his house and walks 12 km towards North. He turns right and walks another 12 km. He turns right again, walks 12 km more and turns left to walk 5 km. How far is he from his home and in which direction ?

   (a) 7 km East   (b) 10 km East

   (c) 17 km East   (d) 24 km East

   (e) None of these

58. Deepak starts walking straight towards east. After walking 75 metres, he turns to the left and walks 25 metres straight. Again he turns to the left, walks a distance of 40 metres straight, again he turns to the left and walks a distance of 25 metres. How far is he from the starting point ?

   (a) 25 metres   (b) 50 Metres

   (c) 115 Metres   (d) 35 Metres

   (e) None of these

59. I am facing south. I turn right and walk 20 m. Then I turn right again and walk 10 m. Then I turn left and walk 10 m and then turning right walk 20 m. Then I turn right again and walk 60 m. In which direction am I from the starting point

   (a) North   (b) North- west

   (c) East   (d) North -east

   (e) None of these

60. Ramakant walks northwards. After a while, he turns to his right and a little further to his left. Finally, after walking a distance of one kilometre, he turns to his left again. In which direction is he moving now ?

   (a) North   (b) South

   (c) East   (d) West

   (e) None of these

Directions (Qs.61-65) : *In each of the following questions, there are two words / set of letters / numbers to the left of the sign :: which are connected in some way. The same relationship obtains between the third words / set of letters / numbers and one of the four alternatives under it. Find the correct alternative in each question.*

61. Red Fort : Delhi :: Golden Temple : ?

   (a) Agra   (b) Amritsar

   (c) Jama Masjid   (d) Taj Mahal

   (e) None of these

62. Lion is to flesh as cow is to …….

   (a) snake   (b) grass

   (c) worm   (d) animal

   (e) None of these

63. Pen : Writer : : ……. : Batsman

   (a) Brush   (b) Fighter

   (c) Stick   (d) Bat

   (e) None of these

64. NCDP : ODEQ : : ………. : MPRO

   (a) LOQN   (b) NQOL

   (c) OQNL   (d) QNOL

   (e) None of these

65. Bulky : Fat : : Happiness : ?

   (a) Bad   (b) Ugly

   (c) Joy   (d) Sorrow

   (e) None of these

Directions (66-70) : *Four of the following five are alike in a certain way and hence form a group. Which one does not belong to the group ?*

66. (a) Cricket   (b) Volley ball

   (c) Chess   (d) Table-tennis

   (e) Badminton

67.   (a) Dogs   (b) Cats
    (c) Goats   (d) Giraffes
    (e) Cows

68.   (a) Paragraph   (b) Sentence
    (c) Page   (d) Words
    (e) Alphabets

69.   (a) Sweet   (b) Cake
    (c) Pastry   (d) Bread
    (e) Biscuit

70.   (a) 115   (b) 161
    (c) 253   (d) 391
    (e) 345

Directions (71-75) : *Study the following information to answer the given questions.*

Seven friends T, U, V, W, X, Y and Z are sitting in a straight line facing north. W sits fifth to the right of T. W does not sit at any of extreme ends. Two people sit between Z and X. Y sits third to the left of U. Y sits exactly in the middle. Z is not an immediate neighbour of Y.

71.   What is Z's position with respect to W?
    (a) Second to the left
    (b) Third to the right
    (c) Fourth to the left
    (d) Third to the left
    (e) Fourth to the right

72.   Who is second to the right of T?
    (a) Y   (b) X
    (c) U   (d) V
    (e) None of these

73.   Four of the following five are alike in a certain way based on their seating positions in the above line and so form a group. Which is the one that **does not** belong to the group?
    (a) UW   (b) XV
    (c) ZT   (d) YV
    (e) WX

74.   If all the seven friends are made to sit alphabetically from right to left, positions of how many will remain unchanged?
    (a) None   (b) One
    (c) Two   (d) Three
    (e) Four

75.   Who sit at the extreme ends of the line
    (a) XZ   (b) VX
    (c) YZ   (d) XT
    (e) TU

Directions (76-80) : *Study the following information carefully and answer the questions given below.*

A, B, C, D, E, F, G, H and K are sitting around a circle facing the center. F is fourth to the right of A who is third to the right of B. K is fourth to the left of B and third to the right of D. C is third to the right of H. E is second to the left of G.

76.   Who is to the immediate right of F?
    (a) B   (b) G
    (c) E   (d) Data inadequate
    (e) None of these

77.   Who is third to the right of K?
    (a) F   (b) E
    (c) G   (d) Data inadequate
    (e) None of these

78.   What is E's Positions with respect ot B?
    (a) Second to the left   (b) Third to the right
    (c) Fourth to the right   (d) Third to the left
    (e) Fifth to the right

79. Who is fourth to the left of G?
    (a) C   (b) A
    (c) D   (d) K
    (e) Data inadequate

80.   In which of the following combinations is the third person sitting between the first and the second persons?
    (a) GFB   (b) BGH
    (c) ADC   (d) KEC
    (e) EGF

ENGLISH LANGUAGE

Directions (81-85) : *In the questions below the sentences have been given in Active/Passive voice. From the given alternatives, choose the one which best expresses the given sentence in Passive/Active voice.*

81. The invigilator was reading out the instructions.
    (a) The instructions were read by the invigilator.
    (b) The instructions were being read out by the invigilator.
    (c) The instructions had been read out by the invigilator.
    (d) The instructions had been read by the invigilator.

82. After driving professor Kumar to the museum she dropped him at his hotel.
    (a) After being driven to the museum, Professor Kumar was dropped at his hotel.
    (b) Professor Kumar was being driven dropped at his hotel.
    (c) After she had driven Professor Kumar to the museum she had dropped him at his hotel.
    (d) After she was driven Professor Kumar to the museum she had dropped him at his hotel.

83. I remember my sister taking me to the museum.
    (a) I remember I was taken to the museum by my sister.
    (b) I remember being taken to the museum by my sister.
    (c) I remember myself being taken to the museum by my sister.
    (d) I remember taken to the museum by my sister.

84. Who is creating this mess?
    (a) Who has been created this mess?
    (b) By whom has this mess been created?
    (c) By whom this mess is being created?
    (d) By whom is this mess being created?

85. They greet me cheerfully every morning.
    (a) Every morning I was greeted cheerfully.
    (b) I am greeted cheerfully by them every morning.
    (c) I am being greeted cheerfully by them every morning.
    (d) Cheerful greeting is done by them every morning to me.

Directions (86-90) : *In the questions below the sentences have been given in Direct/Indirect speech. From the given alternatives, choose the one which best expresses the given sentence in Indirect/Direct speech.*

86. "If you don't keep quite I shall shoot you", he said to her in a calm voice.
    (a) He warned her to shoot if she didn't keep quite calmly.
    (b) He said calmly that I shall shoot you if you don't be quite.
    (c) He warned her calmly that he would shoot her if she didn't keep quite.
    (d) Calmly he warned her that be quite or else he will have to shoot her.

87. I told him that he was not working hard.
    (a) I said to him, "You are not working hard."
    (b) I told to him, "You are not working hard."
    (c) I said, "You are not working hard."
    (d) I said to him, "He is not working hard."

88. His father ordered him to go to his room and study.
    (a) His father said, "Go to your room and study."
    (b) His father said to him, "Go and study in your room."
    (c) His father shouted, "Go right now to your study room"
    (d) His father said firmly, "Go and study in your room."

89. He said to his father, "Please increase my pocket-money."
    (a) He told his father, "Please increase the pocket-money"
    (b) He pleaded his father to please increase my pocket money.
    (c) He requested his father to increase his pocket-money.
    (d) He asked his father to increase his pocket-money.

90. She said that her brother was getting married.
    (a) She said, "Her brother is getting married."
    (b) She told, "Her brother is getting married."
    (c) She said, "My brother is getting married."
    (d) She said, "My brother was getting married."

COMPUTER KNOWLEDGE

91. Which of the following tools is not normally used during system analysis ?

   (a) Program Flow Chart (b) Grid Chart

   (c) System Flow Chart (d) Question Check-list

   (e) None of these

92. Which key is used in combination with another key to perform a specific task?

   (a) Function   (b) Arrow

   (c) Space bar   (d) Control

   (e) None of these

93. For selecting or highlighting, which of the following is generally used?

   (a) Icon   (b) Keyboard

   (c) Mouse   (d) Floppy Disk

   (e) None of these

94. Which is the slowest internet connection service

   (a) Digital subscriber line

   (b) T1   (c) Cable modem

   (d) Leased Line   (e) Dial-up service

95. A program that works like a calculator for keeping track of money and making budgets

   (a) calculator   (b) scholastic

   (c) keyboard   (d) spreadsheet

   (e) None of these

96. _____ are distinct items that don't have much meaning to you in a given context.

   (a) Fields   (b) Data

   (c) Queries   (d) Properties

   (e) None of these

97. You click at B to make the next

   (a) Italics   (b) Underlined

   (c) Italics and Underlined

   (d) Bold

   (e) None of these

98. Which key should be pressed to start a new page in MS-Word?

   (a) Down Cursor Key (b) Enter Key

   (c) Shift + Enter (d) Ctrl + Enter

   (e) Shift + Ctrl + Enter

99. Which of the following is an Operating System?

   (a) MS Windows   (b) Mac

   (c) MS DOS   (d) Windows NT

   (e) All of the above

100. Example of non-numeric data is

   (a) Employee address (b) Examination score

   (c) Bank balance   (d) All of the above

   (e) None of these

ANSWERS

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