SSC CGL TIER-1 MODEL PAPER

ENGLISH COMPREHENSION

Q1.Directions: In these questions 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.

They first sun-dried the garbage for one to three days to bring down the moisture level.

(a)The moisture level was brought down by sun-drying the garbage for one to three days.
(b)One to three days of sun-drying brought down the moisture level of the garbage.
(c)The moisture level of the garbage came down when it was sun-dried for one to three days.
(d)The garbage was first sun-dried for one to three days to bring down the moisture level.

Q2.Directions: In these questions 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.

The agent had disclosed the secret before it was evening.

(a)The secret was disclosed by the agent before it was evening.
(b)The secret had disclosed by the agent before it had been evening.
(c)The secret had been disclosed by the agent before it was evening.
(d)The secret was disclosed by the agent before it had been evening.

Q3.Directions : In these questions choose the word opposite in meaning to the word given in bold.

OSTRACISE
(a) amuse
(b) welcome
(c) entertain
(d) host

Q4.Directions : In these questions choose the word opposite in meaning to the word given in bold.

EPHEMERAL
(a)eternal
(b)transitory
(c)mortal
(d)temporal

Q5.Directions: In the following questions, a sentence has been given in **Direct/Indirect Speech**. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct Speech.

He said, "Ravi, why are you sounding so depressed today?"
(a)He asked Ravi why did he sound so depressed that day.

(b)He asked Ravi why he was sounding so depressed that day
(c)He told Ravi why he sounded so depressed today.
(d)He asked Ravi that why was he sounding so depressed that day.

Q6.Directions: In the following questions, a sentence has been given in **Direct/Indirect Speech**. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct Speech.

"When did you meet my brother?" She asked me.
(a)She wanted to know when did I meet her brother
(b)She asked when did I meet my brother.
(c)She asked me when I had met her brother.
(d)She wants to know when I had met my brother

Q7.Directions : In each questions read each sentence to find out the whether there is **any error** in it. The error if any will be in one part of the sentence. The number of that part is the answer. Ignore the errors of punctuations if any.

You must either (1)/ be regular with your studies (2)/ and study for longer period before the examination (3) / No error (4)
(a)You must either
(b) be regular with your studies
(c) and study for longer period before the examination
(d)No error

Q8. Directions : In each questions read each sentence to find out the whether there is **any error** in it. The error if any will be in one part of the sentence. The number of that part is the answer. Ignore the errors of punctuations if any.

A milk (1)/ can provide protein(2)/ for a nutritionally balanced diet (3)/ No error (4)
(a) A milk
(b) can provide protein
(c) for a nutritionally balanced diet
(d)No error

Q9. The flash of the torch _____ a cobra
(a)exposed
(b) displayed
(c) disclosed
(d) revealed

Q10.I got used _____ on the right when I was In the US for two years
(a)driving
(b) to drive
(c) to driving
(d) by driving

Q11.Directions: In the following questions, four alternatives are given for the **Idiom/Phrase** printed in bold in the sentence. Choose the alternative which best expresses the meaning of the Idiom/ Phrase.

For his alleged involvement in espionage , he is under a cloud these days.
(a)experiencing cloudy weather
(b)enjoying favourable luck
(c)under suspicion
(d)under observation

Q12.Directions: In the following questions, four alternatives are given for the **Idiom/Phrase** printed in bold in the sentence. Choose the alternative which best expresses the meaning of the Idiom/ Phrase.
the green-eyed monster strikes a woman the moment she sees her husband talking to another pretty woman.
(a)anger
(b) hatred
(c) envy
(d) jealousy

Q13.Directions: Out of the four alternatives, choose the one which can be **substituted** for the given words/sentence
A person with a long experience of any occupation
(a)Veteran
(b)Genius
(c)Seasoned
(d)Ambidextrous

Q14. Directions: Out of the four alternatives, choose the one which can be **substituted** for the given words/sentence.
Expert in the Scientific study of birds
(a)Dermatologist
(b)Zoologist
(c)Ornithologist
(d)Astronaut

Q15.Directions : In these questions, the first and last sentence of the passage are numbered 1 and 6. The rest of the passage is split into four parts and named P,Q,R,S. These four parts are not given in proper order. Read the sentences and find out which of the four combinations is correct.
(1) The traveller said, "Can you tell me the way to the nearest inn?"
(P)"Do you want one in which you can spend the night ?"
(Q)"Yes", said the peasant.
(R)"Go right down the road and turn to the left."
(S)"Yes", replied the traveller.
(6) "thank a lot".
(a) PSRQ
(b) QPSR
(c) SPQR
(d) QSRP

Q16. Directions : In these questions, the first and last sentence of the passage are numbered 1 and 6. The rest of the passage is split into four parts and named P,Q,R,S. These four parts are not given in proper order. Read the

sentences and find out which of the four combinations is correct.
 1. There was a lamp hanging on the wall.
P.Then he picked a lot of jewels off the trees in the garden.
Q.He put the lamp inside his shirt.
R.He put them in his pockets.
S.Alladdin climbed a ladder and took down the lamp,
6. Then he put more Jewels inside his shirt on top of the lamp.
(a) PRQS
(b) RSPQ
(c) SQPR
(d) QSRP

Q17.Directions: In the following questions, a sentence/ part of the sentence is printed in bold. Below are given alternatives which may **improve the bold part**. Choose the correct alternative. In case no improvement is needed, your answer is No Improvement.
On one occasion he persuaded me to accompany him on a shooting expedition he was planning.
(a) has planned
(b)had planned
(c)planned
(d)No improvement

Q18.Directions: In the following questions, a sentence/ part of the sentence is printed in bold. Below are given alternatives which may **improve the bold part**. Choose the correct alternative. In case no improvement is needed, your answer is No Improvement.
While crossing the road, a snake was seen.
(a)a snake was moving.
(b)he saw a snake.
(c)a snake was observed.
(d)No improvement.

Q19.Directions: In the following questions out of the four alternatives, choose the one which best expresses, the meaning of the given word.
OBNOXIOUS
(a)depressing
(b) disgusting
(c) arrogant
(d) filthy

Q20.Directions: In the following questions out of the four alternatives, choose the one which best expresses, the meaning of the given word.
ACCOUTREMENTS
(a)relatives
(b) companions
(c) calculations
(d) equipment

Q21.Directions : You have one brief passage with live questions. Read the passage carefully and choose the best answer to each question out of the four alternatives.

What one wonders is the lowest common denominator of Indian culture today. The attractive Hema Malini The songs of Vividh Bharati Or the mouth-watering Masala Dosa Delectable as these may be each yields pride of place to that false symbol of a new era-the synthetic fiber. In less than twenty years the nylon sari and the ethylene shirt have swept the countryside penetrated to the farthest corners of the land and persuaded every common man women and child that the key to success in the present day world lies in artificial fibers glass nylon crepe nylon tery mixes polyesters and what have you More than the bicycles the wristwatch or the transistor radio synthetic clothes have come to represent the first step away from the village square. The village lass treasures the flashy nylon sari in her trousseau most dearly the village youth gets a great kick out of his cheap terry cot shirt and trousers the nearest he can approximate to the expensive synthetic sported by his wealthy city bred contemporaries. And the Neo-rich craze for phoren is nowhere more apparent than in the price that people will pay for smuggled stolen begged borrowed secondhand or thrown away synthetics. Alas even the unique richness of the traditional tribal costume is being fast eroded by the deadening uniformity of nylon.

The lowest common denominator of the Indian culture today is
(a)Hema Malini
(b) songs of Vividh Bharati
(c) Masala Dosa
(d) synthetic fibre

Q22. The synthetic fiber has
(a)always been popular in India.
(b)become popular during the last twenty years.
(c)never been popular in India.
(d)been as popular as other kinds of fiber.

Q23. The latest symbol of modernity for the rural people is
(a)the bicycle.
(b) the wristwatch.
(c) the transistor.
(d) the synthetic cloth.

Q24. The term Neo-rich means
(a)the aristocracy.
(b) the industrialists.
(c) the newly rich people.
(d) the common people.

Q25. The tone of the passage is
(a)tragic
(b) ironic
(c) somber
(d) satiric .

NUMERICAL APTITUDE

Q26. In an election, a candidate who gets 84% of the votes is elected by a majority of 476 votes. What is the total number of votes polled?
(a)900
(b)810
(c)600
(d) 700

Q27. At what rate per cent per annum will Rs. 2304 amount to Rs. 2500 in 2 years at compound interest?
(a) 9/2%
(b) 21/5 %
(c) 25/6%
(d) 13/3%

Q28.A man rows a boat 18 kilometers in 4 hours down-stream and returns upstream in 12 hours. The speed of the stream (in km per hour) is:
(a) 1
(b) 1.5
(c) 2
(d) 1.75

Q29. The measure of the angle between the internal and external bisectors of an angle is
(a)60°
(b)70°
(c)80°
(d) 90°

Q30. Let N be the greatest number that will divide 1305, 4665 and 6905 leaving the sane remainder in each case. Then, sum of the digits in N is:
(a) 4
(b) 5
(c) 6
(d) 8

Q31. In an alloy there is 12% of copper. To get 69 kg of copper. How much alloy will be required?
(a) 424 kg
(b) 575 kg
(c) 828 kg
(d) 1736 kg

Q32.A and B started a business by investing 36,000 and Rs. 63,0
00. Find the share of each, out of the annual profit of Rs. 55
00.
(a)2000, 3500
(b) 2500, 3500
(c) 3500, 2500
(d) None of these

Q33. Two pipes A and B can fill a tank in 20 minutes and 30 minutes respectively. If both pipes are opened together, the title taken to fill the tank is:
(a) 50 minutes
(b) 12 minutes
(c) 25 minutes
(d) 15 minutes

Q34. The value of $\frac{1}{\sqrt{2}} \sin \frac{\pi}{6} \cos \frac{\pi}{4} - \cot \frac{\pi}{3} \sec \frac{\pi}{6} + \frac{\left(5\tan \frac{\pi}{4}\right)}{\left(12 \sin \frac{\pi}{2}\right)}$ is equal to :
(a) 0
(b) 1
(c) 2
(d) 3/2

Q35. The simplification of : (0.63 + 0.37 + 0.80) yield the result
(a) 1.80
(b) 1.81
(c) 1.79
(d)1.80

Q36. If $a = \frac{\sqrt{3}}{2}$, then the value of $\sqrt{1 + a} + \sqrt{1 - a}$ is :
(a) √3
(b) √3/2
(c) 2+√3
(d) 2-√3

Q37. Two trains 150 m and 120 m long respectively moving from opposite **directions** cross each other in 10 seconds. If the speed of the second train is 43.2 km/hr, then the speed of the first train is
(a) 54 km/hr
(b) 50 km/hr
(c) 52 km/hr
(d) 51 km/hr

Q38. If x = 5 - $\sqrt{21}$, then the value of $\frac{\sqrt{x}}{\sqrt{32 - 2x} - \sqrt{21}}$ is:
(a) 1/√2 (√3 - √7)
(b) 1/√2 (√7 - √3)
(c) 1/√2 (√7 + √3)
(d) 1/√2 (7 + √3)

Q39. What sum of money must be given at simple interest for six months at 4% per annum in order to earn Rs. 150 interest?
(a) Rs. 5000
(b) Rs. 7500
(c) Rs. 10,000
(d) Rs. 15000

Q40. A milkman makes 20%profit by selling milk mixed with water at Rs. 9 per liter.If the cost price of 1 liter

pure milk is Rs.10, then the ratio of milk and water in the mixture is true.
(a) 3 : 1
(b) 4 : 1
(c) 3 : 2
(d) 4 : 3

Q41.A can do a piece of work in 6 days and B in 9 days. How many days will both take together to complete the work ?
(a) 7.5 days
(b) 5.4 days
(c) 3.6 days
(d) 3 days

Q42. By selling 144 hens Mahesh suffered a loss equal to the selling price of 96 hens. His loss percent is
(a) 40
(b) 30
(c) 50
(d) 41

Q43. The radii of the base of two cylinders A and B are in the ratio 3:2 and their height in the ratio x:1 If the volume of cylinder A is 3 times that of the cylinder B, the value of x is
(a)4/3
(b)2/3
(c)3/4
(d)3/2

Q44. The least number of five digits which has 123 as a factor is :
(a)10037
(b)10086
(c)10081
(d)10063

Q45. The marked price of a radio is Rs. 4
80. The shopkeeper allows a discount is allowed, his gain percent would be
(a)18%
(b)18.5%
(c)20.5%
(d) 20%

Q46. Two cubes of sides 6 cm each are kept side to form a rectangular parallelepiped. The area (in sq.cm) of the whole surface of the rectangular parallelepiped is:
(a)432
(b) 360
(c) 396
(d) 340

Q47.A solid wooden toy is in the shape of a right circular cone mounted on a hemisphere. If the radius of the hemisphere is 4.2 cm and the total height of the toy is 10.2 cm find the volume of wooden toy (nearly),

(a) 104 cm^3
(b) 162 cm^3
(c) 421 cm^3
(d) 266 cm^3

Q48. The minimum value of $2\sin^2\theta + 3\cos^2\theta$ is :
(a) 0
(b) 3
(c) 2
(d) 1

Q49. If $\tan 2\theta \tan 3\theta = 1(0° < \theta < 90°)$, then the value of θ is :
(a) 45/2°
(b) 18°
(c) 24°
(d) 30°

Q50.A number, on subtracting 15 from it reduces to its 80%,What is 40% of the number ?
(a) 75
(b) 60
(c) 30
(d) 90

GENERAL INTELLIGENCE & REASONING
Q51.Direction: In each of the following questions, select the related word from the given alternatives.
Touch : Feel : : Greet : ?
(a) Smile
(b) Acknowledge
(c) Success
(d) Manners

Q52.Direction: From among the given alternatives select the one in which the set of numbers is most like the set of numbers given in the question.
Given set : (3, 7, 15)
(a) 2, 6, 10
(b) 4, 8, 18
(c)5,9,17
(d)7,12,19

Q53.Direction: In each of the following questions, select the related letter from the given alternatives.
TALE : LATE : : ? : CAFE
(a) FACE
(b) CAEF
(c) CEFA
(d) FEAC

Q54. A is B's daughter. B is C's mother. D is C's brother. How is D related to A?
(a)Father
(b) Grandfather
(c)Brother
(d) Son

Q55.Direction: In The following Question you have to identify the correct response from the given premises stated according to following symbols:
In an imaginary mathematical operation '+' means multiplication, '×' means subtraction, '÷' means addition and '-' means division. All other rules in mathematical operation are the same as in the existing system. Which one of the following gives the result of
175 - 25 ÷ 5 + 20 x 3 + 10?
(a)160
(b) 2370
(c) 77
(d) 240

Q56. Which words of the following do not have the same relationship as between the words CHARITABLE and SELFISH ?
(a)ILLUMINATE and DARKEN
(b)ADHERE and STICK TO
(c)CHASTE and IMMORAL
(d)SADISTIC and KINDHE- ARTED

Q57. Find the odd man out from the given responses ?
(a) Spectacles
(b)Dentures
(c) Clutches
(d)Plasters

Q58. Find the odd man out from the given responses ?
(a)Tomato
(b) Potato
(c)Onion
(d) Carrot

Q59. A man starts from a point and walks 2km towards North, turns towards his right and walks 2km, turns right again and walks. What is the **direction** now he is facing ?
(a) South
(b) South-East
(c) North
(d) West

Q60. From my house I walked 5 km towards North. I turned right and walked 3 km. Again I went one km to the south. How far am I from my house?
(a) 7 km
(b) 6 km
(c) 4 km
(d) 5 km

Q61.Directions: In each of the following questions a series is given with one term missing. Choose the correct alternative from the given ones that will complete the series

10, 100, 200, 310, ?

(a) 400
(b) 410
(c) 420
(d) 430

Q62.Directions: In each of the following questions a series is given with one term missing. Choose the correct alternative from the given ones that will complete the series

121, ?, 169, 196,225
(a)132
(b)136
(c)151
(d)144

Q63. **Direction**: Which one set of letters when sequentially placed at the gaps in the given letters series shall complete .
ccbab _ caa _ bccc _ a _
(a)babe
(b)babb
(c) bbba
(d)baab

Q64. If A = 1 , PAT = 37, then TAP = ?
73
37
36
28

Q65. If each of the letters in the English alphabet is assigned odd numerical value beginning A = 1, B = 3 and so on, what will the total value of the letters for the word 'HOTEL' ?
(a) 95
(b)115
(c) 125
(d)105

Q66. If TIMBER is written is BERMIT in a certain code, how would BANTER be written in that code ?
(a) RETNAB
(b) TERNAB
(c) TENBAR
(d) TABNER

Q67.Direction: In the following questions a word is followed by four other words one of which cannot be formed by using the letter of the given word. Find this word.
PHOTOSYNTHETIC
(a) THOSE
(b) SCENT
(c) PRONE
(d) COTTON

Q68.Direction:In the following questions a word is followed by four other words one of which cannot be formed by using the letter of the given word. Find this word.
CELEBRATION
(a) TAILOR
(b)ACTION
(c) CREATE
(d)BREATH

Q69.Direction: A word is given capital letters. It is followed by four words. Out of these four words, three cannot be formed from the letters. Point out the word which can be formed from the letters of the given word in capital word in capital letter.
MANUFACTURE
(a)FRACTURE
(b) MANNER
(c) MATTER
(d) FACE

Q70. If TIMBER is written is BERMIT in a certain code, how would BANTER be written in that code ?
(a) RETNAB
(b) TERNAB
(c) TENBAR
(d) TABNER

Q71.Directions: Given below are two Matrices of Twenty-five Cells, each containing two classes of alphabets. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II from 5 to 9. A letter from these matrices can be represented first by its row number and next by its column number. In each of the following questions, identify one set of number pairs out of (1), (2), (3) and (4) which represents the given word.

MATRIX-I

	0	1	2	3	4
0	A	E	F	G	C
1	H	B	I	J	K
2	M	A	C	B	C
3	D	E	F	D	L
4	H	I	J	K	E

MATRIX-II

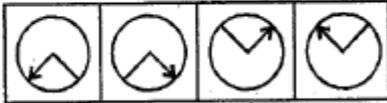|	5	6	7	8	9
5	N	S	R	S	T
6	Q	O	T	U	X
7	W	X	P	U	V
8	Y	Z	Y	Q	X
9	Z	W	R	S	R

(a)24, 21, 99, 31
(b)22, 21, 98, 31
(c)24, 21, 96, 31
(d)22, 21, 98, 31

Q72.Directions: which of the answer figures is exactly the mirror image of the given

Question Figure :
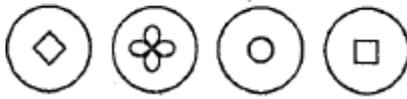

Answer Figures :

(1)   (2)   (3)   (4)

(a)[1]
(b)[2]
(c)[3]
(d)[4]

Q73.Directions: A piece of paper is folded and cut as shown below. How will it appear when opened? Select your response from the answer figures.

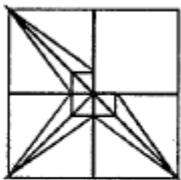**Question Figure :**

Answer figures :

(1)   (2)   (3)   (4)

(a)[1]
(b)[2]
(c)[3]
(d)[4]

Q74.Directions: Which answer figure will complete the question figure?

Question Figure :

Answer Figures :

(1)   (2)   (3)   (4)

(a)[1]
(b)[2]
(c)[3]
(d)[4]

Question Figure :

Answer Figures :

Q75. (1)   (2)   (3)   (4)

(a)[1]
(b)[2]
(c)[3]
(d)[4]

GENERAL AWARENESS

Q76. Penicillin is extracted from
(a)yeast
(b)algae
(c)fungus
(d)lichen

Q77. A substance that stimulates the production of antibodies when Introduced into a living organism is known as
(a)carcinogen
(b)androgen
(c)antigen
(d)estrogen

Q78. Where is Raisin Hills?
(a)Where RashtrapatiBhavan is situated
(b)The Hill feature in Srinagar otherwise known as Shankarachaiya Hill
(c)The place where the Dogra rulers of J & K built their fort in Jammu.
(d)The rock feature at Kanyakumari where Swami Vivekanandas statue was erect

Q79. Which of the following does not have an influence over the climate in India ?
(a)Monsoons
(b)Ocean currents
(c)Nearness to equator
(d)Presence of Indian ocean

Q80. The earliest city discovered in India was
(a)Harappa
(b) Punjab
(c) Mohenjo Daro
(d) Sindh

Q81. Which among the following policy of Life Insurance Company is related to regular old age pension?
(a) Jivan Kishore
(b)Jivan Chhaya
(c)Jivan Sanchay
(d)None of these

Q82. For which Diode is used ?
(a)modulation
(b)oscillation
(c)amplification
(d)purification

Q83.A device used for converting A.C. into D.C. is called
(a)transformer
(b)rectifier
(c)induction coil
(d)dynamo

Q84. Beryllium Sulphate is less soluble in water due to ?
(a) High inflammable energy
(b) Low Energy of dissociation
(c) Low inflammable energy
(d) ionic band

Q85. A polymeric substance used to make parachute is
(a) Rayon
(b) Viscose
(c) Cotton
(d)Terylene

Q86. What is the size of Floppy Diskette which is used normally ?
(a)7/3"
(b) 5"
(c) 4"
(d) 3"

Q87. Blood cancer is otherwise called as
(a)Anaemia
(b)Polycythemia
(c) Leucopenia
(d)Leukaemia

Q88. Animals living in the three trunks are known as
(a)Arboreal
(b) Volant
(c) Amphibious
(d) Aquatics

Q89. Carbon monoxide is an inflammable gas. Which one of the following is also inflammable?
(a) Helium
(b) Nitrogen
(c) Oxygen
(d) Hydrogen

Q90. The energy of the sun is mainly due to
(a) nuclear fission
(b) radioactivity
(c) heat
(d) nuclear fusion

Q91. In Word Processing moving lexi from one place to another within a document is called as
(a)Clip Art
(b)Search and Replace
(c)Cut and Paste
(d)Block Operation

Q92. Optical fibers are based on the phenomenon of
(a)Interference
(b)Dispersion
(c)Diffraction
(d)Total Internal Reflection

Q93. Which of the following Sting Committees of Parliament has no MP from Rajya Sabha?
(a)Public Accounts Committee
(b) Estimates Committee
(c) Committee on Public Undertakings
(d) Committee on Government Assurances

Q94. Consider the following statements :
1.Deep ice cores are studied to look into the climate changes in the past.
2.Ice layers of the Arctic region are especially rich in fossils that help construct the past climates.
Which of the above statements is/are true?
(a)1 only
(b) 2 only
(c)Both 1 and 2
(d) Neither 1 nor 2

Q95. Consider the following statements :
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Which of the above statements is/are true?
(a)1 only
(b) 2 only
(c)Both 1 and 2
(d) Neither 1 nor 2

Q96. Spinosad is a reduced risk insecticide which
(a)Does not bio-accumulate
(b)Volatilizes
(c)Persists in the environment
(d)Is highly toxic to humans

Q97. Who declared, The only hope for India is from the masses. The upper classes are physically and morally dead?
(a)Gopal krishna Gokhale
(b)Bal Gangadhar Tilak
(c)Mahatma Gandhi
(d) Swami Vivekanand

Q98. Which of the following demands was not central to the Khilafat movement?

(a)that the Turkish Sultan or Khalifa must remain in control over the Muslims sacred places
(b)the Khalifa must be left with sufficient territory to enable him to defend the Islamic faith
(c)Arab, Syria, Iraq, and Palestine (Jazirat-ul-Arab) must remain under muslim sovereignty
(d)that Mustafa Kamal Pasha should modernise Turkey

Q99. The Contingency Fund of India meant for meeting unforeseen expenses was created by
(a)President
(b)Prime Minister
(c)Act of Parliament 1950
(d)Act of Lok Sabha 1951

Q100. Consider the following statements:
1. Black soil of Maharashtra is sandy in texture.
2. Black soil is suitable for cultivation of cotton.
Which of the above statement are true?
(a)1 only
(b)2 only
(c) Both 1 and 2
(d) Neither 1 nor 2

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