SSC CHSL- 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.
Whom does he look for ?
(a)He is looked after for whom ?
(b)Who is looked after for him?
(c)Who is looked for by him ?
(d)He is looked after by whom?

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.
We found the lock broken last night.
(a)The lock was found by us breaking last night.
(b)The lock was found by us broken last night.
(c)The lock was broken by us last night.
(d)The broken lock we found last night.

Q3.Directions : In these questions choose the word opposite in meaning to the word given in bold.
FALLIBLE
(a)unerring
(b) reliable
(c)falsehood
(d) trustful

Q4.Directions : In these questions choose the word opposite in meaning to the word given in bold.
ALIEN
(a)native
(b)Domicile
(c) natural
(d)resident

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 dejected today ?"
(a)He asked Ravi why he sounded so dejected that day ?
(b)He asked to Ravi why he was sounding so dejected that day.
(c)He asked Ravi why he was sounding so dejected today
(d)He asked Ravi why he was sounding so dejected 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.

He said, "I intend to leave for / Delhi tonight."
(a)He said that he will intend to leave for Delhi tonight.
(b)He said that he should in tend to leave for Delhi that night.
(c) He said that he intended to leave for Delhi that night
(d)He said that his intention is to leave for Delhi tonight.

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 will be prosecuted (1)/ for bringing seeds (2)/into Australia ((3)/ No error (4)
(a) You will be prosecuted
(b) for bringing seeds
(c) into Australia
(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.
Based on the newspaper reports (1)/ we can conclude that (2)/ many accidents caused by reckless driving (3)/ No error (4)
(a) Based on the newspaper reports
(b) we can conclude that
(c) many accidents caused by reckless driving
(d)No error

Q9. We must avail ourselves _____ every opportunity that comes _____ our way
(a) of in
(b) on in
(c) against for
(d) to in

Q10. When Indians from the south move north they find certain aspects of life quite _____ from their own
(a)strange
(b) separate
(c) different
(d) divergent

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.
If you are fair and square In your work you will definitely prosper.
(a)active
(b)honest
(c)business like
(d)authoritative

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.
It Our house is within a stone's throw from the Red Building.
(a)far off
(b) far away
(c) very near to
(d) beside US. He has a bone to pick with his cousin.

Q13. Directions: Out of the four alternatives, choose the one which can be **substituted** for the given words/sentence.
A person who is unable to pay his debts.
(a)Solvent
(b) Banker
(c) Insolvent
(d) Lender

Q14. Directions: Out of the four alternatives, choose the one which can be **substituted** for the given words/sentence.
One who walks in sleep
(a)Somniloquist
(b)Egoist
(c)Somnambulist
(d)Altruist

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 school has always been
P.tradition from one
Q.the most important
R.the wealth of
S.means of transferring
6. generation to the next.
(a) PSRQ
(b)QSRP
(c) RSQP
(d) QRSP

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. But at that moment I glanced round at the crowd that had followed me.
P.It was an immense crowd, two thousand at the least and growing every minute.
Q.They were watching me as they would watch a conjurer about to perform a trick.

R.I looked at the sea of yellow faces above the garish clothes, faces all happy and excited over this bit of fun, all certain that the elephant was going to be shot.
S.It blocked the road for a long distance on either side.
6. They did not like me, but with the magical rifle in my hands, I was momentarily worth watching
(a)RPQS
(b) QSRP
(c) SRPQ
(d) PSRQ

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.
17 Man is the only animal who can talk.
(a)which
(b)whom
(c)that
(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.
I have bought this house in 1970 for Rs. two lakhs.
(a)had bought
(b)bought
(c)have been bought
(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.
MOMENTOUS
(a)important
(b) temporary
(c) fleeting
(d) monumental

Q20.Directions: In the following questions out of the four alternatives, choose the one which best expresses, the meaning of the given word.
ACRONYM
(a)A word with two or more meanings
(b)A word of new coinage
(c)A word formed by the initial letters of words
(d)A word of picturesque effect

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.
A flock of birds flew into an Indigo Airbus about to take off at Patna this morning and damaged the plane s engine before the captain slammed the emergency

brakes. The close shave has again forced the glare on the airport already under the scanner for obstacles in its landing approach path. The Airbus A320 carrying 89 passengers and six crew members had started taxiing when the birds possibly attracted by the waste pile-up near the airport crashed into the plane on the left around 05 am. The pilot hit the brakes bringing the plane to a screeching halt seconds before take-off. Sources said the plane would have been running at a speed of about 40 nautical miles (74 kmph) at the time. Flight 6E 385 was scheduled to take off at 10 am for Delhi and onward to Hyderabad Bangalore and Visakhapatnam. The left-hand side engine of the aircraft got damaged after it was hit by the birds. There were no casualties fortunately and all passengers were taken out of the aircraft immediately after the pilot took it to the parking bay. The aircraft has been grounded and it will operate only after the safety engineers of Indigo give a fit-to-fly certificate " an Indigo source at Patna airport said. All passengers were accommodated on other Indigo flight the source added.

Close shave means
(a)emergency
(b) danger
(c) a narrow escape
(d) to shave carefully

Q22. Why did the birds fly into the plane?
(a)As the birds were attracted to the plane.
(b)As it was taking off slowly.
(c)As the captain slammed the brakes.
(d)As the birds were attracted to the waste pile-up near the airport.

Q23. The passengers were allowed to get off the plane
(a)after the plane was taken to the parking bay.
(b)immediately.
(c)after many hours.
(d)the next day.

Q24. The Airbus is a
(a) a large bus
(b) small plane
(c) large plane
(d) a small bus

Q25. What happened to the plane after the passengers were taken off?
(a)It was given a fitness certificate.
(b)It was grounded.
(c)It was discarded.
(d)It was inspected and allowed to fly.

NUMERICAL APTITUDE
Q26. The enhanced salary of a man becomes Rs. 24000 after 20% increment. His previous salary was:

(a) 20000
(b) 21000
(c) 16000
(d) 18000

Q27. The difference between compound interest and simple interest on a sum for 2 years at 8% is Rs. 7 68. The sum is:
(a) Rs. 100000
(b) Rs. 110000
(c) Rs. 120000
(d) Rs. 170000

Q28.A boat covers 24 km upstream and 36 km downstream in 6 hours, while it covers 36 km upstream and 24 km down-stream in 13/2, hours. The speed of the current is :
(a) 1 km/hr
(b)5 km/hr
(c) 1.5 km/hr
(d)2.5 km/h r

Q29. O is the circumcenter of Δ ABC. If ⌷ BAC = 85°, ⌷ BCA = 75°, the ⌷OAC is equal to:
(a) 70°
(b) 60°
(c) 50°
(d) 40°

Q30. The largest number of five digits which, when divided by 16, 24, 30 or 36 leaves the same remainder 10 in each case, is:
(a) 99279
(b) 99370
(c) 99269
(d) 99350

Q31. In a 729 litres mixture of milk and water, the ratio of milk to water is 7:2, To get a new mixture containing milk and water in the ratio 7:3, the amount of water to be added is
(a) 81 litres
(b) 71 litres
(c) 56 litres
(d) 50litres

Q32.A starts a business with 21,000/- and later B joins him with 36,000/ - After how many months did B join if the profit is distributed in equal ratio?
(a) 5
(b) 7
(c) 6
(d) 9

Q33.A tank is fitted with two taps. The first tap can fill the tank completely in 45 minutes and the second tap can empty the full tank in one hour. If both the taps are

opened alternately for one minute, then in how many hours the empty tank will filled completely
(a) 2 Hours 55 minutes
(b) 3 Hours 40 minutes
(c) 4 Hours 48 minutes
(d) 5 Hours 53 minutes

Q34. The numerical value of $\frac{\cos^2 45°}{\sin^2 60°} + \frac{(\cos^2 60°)}{(\sin^2 45°)} - \frac{(\tan^2 30°)}{(\cot^2 45°)} - \frac{(\sin^2 30°)}{(\cot^2 30°)}$ is :
(a) 3/4
(b) 1/4
(c) 1/2
(d) 5/4

Q35. Which smallest number must be added to 2203 so that we get a perfect square?
(a) 1
(b) 3
(c) 6
(d) 8

Q36.$\frac{1}{3-\sqrt{8}} - \frac{1}{\sqrt{8}-\sqrt{7}} + \frac{1}{\sqrt{7}-\sqrt{6}} - \frac{1}{\sqrt{6}-\sqrt{5}} + \frac{1}{\sqrt{5}-2} = ?$
(a) 5
(b) 4
(c) 3
(d) 2

Q37. Two trains of length 150 m and 180 In respectively are running in opposite **directions** on parallel tracks. If their speeds are 50 km/hr and 58 km/hr, respectively, in what time will they cross each other?
(a) 11 seconds
(b) 22 seconds
(c) 15 seconds
(d) 30 seconds

Q38. If a + b + c = 0, then the value of $\left(\frac{a+b}{c} + \frac{b+c}{a} + \frac{c+a}{b}\right)\left(\frac{a}{b+c} + \frac{b}{c+a} + \frac{c}{a+b}\right)$:
(a) 8
(b) -3
(c) 9
(d) 0

Q39.A money lender finds that due to fall in the annual rate of interest from 8% to 31/4 %, his yearly income diminishes by Rs. 61.
50. His capital is
(a) Rs, 22400
(b) Rs 23800
(c) Rs. 24600
(d) Rs. 26000

Q40. The price of a refrigerator and a television set are in the ratio 5 : 3, If the refrigerator costs Rs. 5500 more than the television set, then the price of the refrigerator is :
(a) Rs. 27500
(b) Rs. 8250
(c) Rs. 13750
(d) Rs. 16500

Q41.A and B can do a piece of work in 12 days, B and C in 8 days and C and A in 6 days. How long would B take to do the same work alone ?
(a) 24 days
(b) 32 days
(c) 40 days
(d) 48 days

Q42. Two- third of a consignment was at a profit of 5% and the remainder at a loss of 2%. If the total profit was Rs. 400, then the value of the consignment was
(a) Rs. 15,000
(b) Rs. 15,500
(c) Rs. 16,000
(d) Rs. 16,500

Q43.A sphere and a hemisphere have the same volume. The ratio of their radii is
(a) 1 : 2
(b) 1 : 8
(c) 1 :√ 2
(d) 1 : 3√2

Q44. The sum of a natural number and its square equals the product of the person first three prime numbers. The number is :
(a)2
(b)3
(c)5
(d)6

Q45. The printed price of a book is Rs. 320, A retailer pays Rs. 244.80 for it. He gets successive discounts of 10% and an another rate. His second rate is:
(a) 15%
(b) 16%
(c) 14%
(d) 12%

Q46. The length, breadth and height of a cuboid are in the ratio 3 : 4 : 6 and its volume is 576cm³. The whole surface area of the cuboid is:
(a)216cm²
(b) 324cm²
(c) 432cm²
(d) 460cm²

Q47. What is the height of a cylinder that has the same volume and radius as a sphere of diameter 12 cm ?
(a) 7 cm
(b) 10 cm.

(c) 9 cm
(d) 8 cm

Q48. The angle of a triangle are (x+5)°, (2x-3)° and (3x+4)°. The value of x is :
(a) 30
(b) 31
(c) 29
(d) 28

Q49. If $\frac{\sin\theta + \cos\theta}{\sin\theta - \cos\theta}$ = 3, then the value of $\sin^4\theta - \cos^4\theta$ is :
(a) 1/5
(b) 3/5
(c) 2/5
(d) 4/5

Q50.250/3 % of Rs. 90 is equal to 60% of ?
(a) 122
(b) 125
(c) 123
(d) 124

GENERAL INTELLIGENCE & REASONING

Q51.Direction: In each of the following questions, select the related word from the given alternatives.
Maximum : Excess : : Sly : ?
(a)Pleasant
(b)Conservative
(c)Haphazard
(d)Permanent

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 : (10.5, 15.0, 21.5)
(a)(32.5, 37.0, 43.5)
(b)(54.4, 58.0, 62.4)
(c)(62.2, 66.8, 73.3)
(d)(81.3, 85.8, 92.0)

Q53.Direction: In each of the following questions, select the related letter from the given alternatives.
BJNT : CIOS : : DHPV : ?
(a) EGQU
(b) EIQW
(c) ELPV
(d) EIOU

Q54. A is B's Sister. C is B's Mother. D is C's Father. E is D's Mother. Then how is A related to D ?
(a)Grandmother
(b)Grandfather
(c)Daughter
(d)Granddaughter

Q55.Direction: In The following Question you have to identify the correct response from the given premises stated according to following symbols:
If 'x' means 'addition' '-'means 'division','÷' means 'subtraction' and '+' means 'multiplication', then which of the following equations is correct ?
(a) 16 + 5 - 10 × 4 ÷ 3 = 9
(b) 16 - 5 × 10 ÷ 4 + 3 = 12
(c)16 + 5 ÷ 10 × 4-3 = 9
(d)16 × 5 ÷ 10 ÷ 4 - 3 = 19

Q56. Find the odd man out from the given responses ?
(a) Light
(b) Wave
(c) Heat
(d) Sound

Q57. Find the odd man out from the given responses ?
(a) Bus
(b) Car
(c) Train
(d) Truck

Q58. Find the odd man out from the given responses ?
(a) Brotherhood
(b) Babyhood
(c) Adulthood
(d) Childhood

Q59.A man started walking West. He turned right, then right again and finally turned left. Towards which **direction** was he walking now?
(a) North
(b)South
(c) West
(d)East

Q60. Rama is standing at a point facing north. He walks 10 km straight, turns left and walks an-other 15 km straight and finally turns left and walks 10 km. How far is he from the starting points now ?
(a) 10 km
(b) 5 km
(c) 12 km
(d) 15 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

3, 15, ?, 63, 99, 143
(a) 27
(b) 45
(c) 35
(d) 56

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

23, 29, 36, 44, ?
(a) 58
(b) 55
(c) 53
(d) 49

Q63. Direction: Which one set of letters when sequentially placed at the gaps in the given letters series shall complete .
_cdb_ddb_db_c_d
(a)bbbcc
(b)cccbc
(c) bbcbb
(d)ccbcc

Q64. If E = 5, RED = 27, then DANCE = ?
(a)26
(b)28
(c) 27
(a) 25

Q65. If PALE is coded as 2134, EARTH is coded as 41590, how is PEARL coded as ?
(a) 29530
(b)24153
(c) 25413
(d)25430

Q66. In a certain code language, 'CLEVER' is written as 'DMFWFS'. How is 'FLOWER' written in that language ?
(a)GMPXSF
(b) GMPXSY
(c) GMPXFY
(d) GMPXFS

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.
CONSTRUCTION
(a)NOTION
(b) CAUTION
(c) COINS
(d) SUCTION

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.
TEACHER
(a)REACH
(b) EATER
(c)EARTH

(d) TRACTOR

Q69.Direction: From the given alternative words, select the word which can be formed using the letters of the given word
OPERATION
(a) CAPTION
(b) ROTATION
(c) OPTION
(d) NATION

Q70. Iri a certain code language, 'CLEVER' is written as 'DMFWFS'. How is 'FLOWER' written in that language ?
(a)GMPXSF
(b) GMPXSY
(c) GMPXFY
(d) GMPXFS

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 the 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. Below are two matrices of twenty five cells each containing two classes of alphabets. The columns and rows of matrix I are numbered 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 the column number. If A' can be represented by 'OT, '41' etc. similarly 'R' can be represented by '59', '78' etc. 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	C	B	D	E
1	M	T	L	K	H
2	B	M	D	A	T
3	N	C	B	H	A
4	E	L	A	K	T

Matrix-II

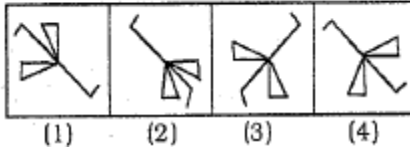|	5	6	7	8	9
5	P	R	V	O	G
6	V	O	F	R	I
7	S	S	P	G	F
8	J	G	R	O	I
9	1	F	Y	P	P

DOM
(a)
22. 66. 30. 97
(b)
22. 66. 30. 97
(c)
22. 66. 30. 97
(d)
22. 66. 30. 97

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

Question Figure :
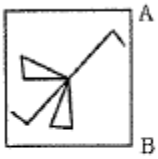
Answer Figures :
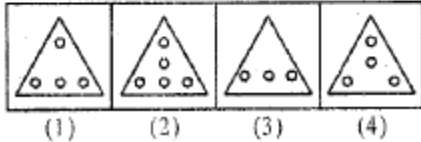

(a)[1]
(b)[2]
(c)[3]
(d)[4]

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.

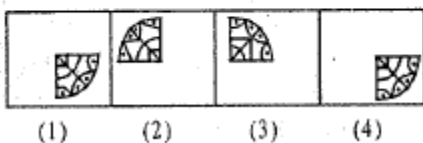**Question Figures :**

Answer Figures :

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

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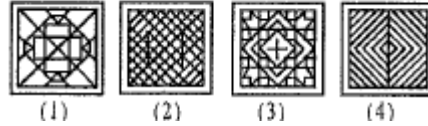
Question Figure :

Answer Figures :

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

Q75.Directions: In which answer figure is the given figure embedded?

Question figure :

Answer figures :

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

GENERAL AWARENESS

Q76. The pesticide, DDT
1.Attacks the central nervous system.
2.Accumulates in the fatty membrane surrounding nerve cells.
3.Persists in the environment.
4.Contains chlorine
Which of the above statements are true?
(a)1,2,3, 4
(b)1,2,3
(c)1,4
(d)1,3,4

Q77. Who was the chairman of the Drafting Committee of the constitution?
(a)J.B. Kriplani
(b) Rajendra Prasad
(c) J.L. Nehru
(d)B.R. Ambedkar

Q78. Which of the following Acts gave representation to Indians for the first time in the legislature?
(a)Indian Council Act, 1909
(b)Indian Council Act, 1919
(c)Govt. of India Act, 1935
(d)none of the above

Q79. Which one of the following is not the function of the Union Public Service Commission?
(a)To conduct competitive examinations for services under the Union Government
(b)To advise the President in matters relating to the recruitment for the civil services
(c)To conduct interviews for services under the Union Government
(d)To help remove the dismissal of the civil servants

Q80. Which region has the distinction of having the lowest sex ratio in the country as per Census of India 2011?
(a)Andaman and Nicobar Islands
(b)Haryana

(c)Nagaland
(d)Arunachal Pradesh

Q81. In connection with the Indus Valley civilization, we come across the name of
(a)Sir Alexander Cunningham
(b)Sir Mortimer Wheeler
(c)Sir Vincent Smith
(d)D.D. Kosambi

Q82. The Western classical element resides in the style, in the treatment of the robe, and in the physiognomy of the Buddha. To which one of the following schools of Indian sculpture does the above statement relate?
(a) Mathura school
(b)Gandhara school
(c) Amaravati school
(d) Maurya school

Q83. Which of the following blood groups may be present in the children of a couple having blood groups A and B respectively?
(a)A and B only
(b)A B and AB
(c)A B AB and O
(d)A B only

Q84. Which of the following is correlated with blood pressure ?
(a) Liver
(b) Testis
(c) Pancreas
(d) Adrenal

Q85. Pak Strait separates
(a)India and Pakistan
(b) India and Burma
(c)India and Sri Lanka
(d)India and Afghanistan

Q86. Rotation of crops means
(a)growing of different crops in succession to maintain soil fertility
(b)some crops are grown again and again
(c)two or more crops are grown simultaneously to increase productivity
(d)None of the above

Q87. Which of the following was not ordered by Alauddin Khalji to control blackmarketing and hoarding?
(a)Land revenue should be collected in kind
(b)Cultivators should sell the harvested crops on the field only
(c)Merchants should sell all commodities in the open
(d)More privileges should be given to Khuts and Muqaddams

Q88. The national income of a country is
(a)Government annual revenue

(b)Total productive income
(c)Surplus of the public sector enterprise
(d)Export(Loan) Import

Q89. The shape of our milky way galaxy is
(a) circular
(b) elliptical
(c)spiral
(d)None of the above

Q90.A boy sitting in an open car moving with the constant speed throws a ball straight up into the air. The ball falls
(a)behind him
(b)in front of him
(c)into his hand
(d)by his side

Q91. Which of the following rights is not granted by the Constitution of India at present as a fundamental right ?
(a)Right to equality
(b)Right to freedom
(c)Right to property
(d)Right against exploitation

Q92. The maximum time a person can continue to be the minister of the State Government without being a member the state legislature
(a)One year
(b)Three months
(c)Six months
(d)No time limit

Q93. Which among the following stage is suitable indicator when solution of sodium carbonate is mixed with sulphuric acid ?
(a) Methylene blue
(b) Methyl red
(c) Phenolphthaline
(d) Methyl orange

Q94. Petroleum consists of a mixture of
(a) Carbohydrates
(b) Carbonates
(c) Hydrocarbons
(d) Carbide?

Q95.IC Chips for computer are usually made of
(a)Silicon
(b) Lead
(c) Chromium
(d) Gold

Q96. Ozone hole in the atmosphere is largely caused by the presence of
(a)Oxygen
(b)Hydrogen
(c)Chloro floro carbon

(d)Radio active waste

Q97. If the blood group Of one parent is AB and that of the other O the possible blood group of their child would be
(a)A or B
(b) A or B or O
(c)A or AB or O
(d)A or B or AB or O

Q98. Which of the following is the smallest bird?
(a)Pigeon
(b)Parrot
(c)Hummingbird
(d)House sparrow

Q99. The temperature of oxyacetylene flame is around
(a) 2800°C
(b) 3200°C
(c) 4000°C
(d) 1500°C

Q100. Carbon dioxide is
(a) a reducing agent
(b) an oxidising agent
(c) a dehydrating agent
(d) a bleaching agent

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