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.
He presented me a bouquet on my birthday.
(a)A bouquet is presented to me on my birthday by him
(b)I was presented oil my birthday a bouquet by him
(c)I was presented a bouquet on my birthday by him
(d)I will be presented a bouquet on my birthday by him

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.
Circumstances forced him to resign his post.
(a)Circumstances make him to resign his post.
(b)He was forced to resign his post.
(c)He is forced to resign his post.
(d)He is forced and resigned his post.

Q3.Directions : In these questions choose the word opposite in meaning to the word given in bold.
PHILANTHROPIST
(a)philistine
(b) moralist
(c)spendthrift
(d) miser

Q4.Directions : In these questions choose the word opposite in meaning to the word given in bold.
IMPEDE
(a) obstruct
(b)Advance
(c) linger
(d)Guarantee

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, "How cruel of him "
(a)He remarked that it was very cruel of him.
(b)He remarked on his great cruelly.
(c)He remark that it was very cruel of him.
(d)He remarked that it is very cruel of him.

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.
"Jack fell as he'd have wished," the mother said.
(a)The mother said that Jack had fallen as he would have wished.
(b)The mother said that Jack fell as he had wished.
(c)The mother said that Jack has fallen as he has wished.
(d)The mother said that Jack had been fallen as he would have been wished.

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.
Though its gloss can (1)/fool few unwary customers (2)/it wouldn't t be difficult for the clever ones to judge its real worth (3)/No error (4)
(a) Though its gloss can
(b) fool few unwary customers
(c) it wouldn't be difficult for the clever ones to judge its real worth
(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.
I go to the temple (1)/as often as(2)/I find time(3)/ No error(4)
(a) I go to the temple
(b) as often as
(c) I find time
(d)No error

Q9. Suitable steps are taken to bring _____ the cost of living
(a) up
(b) Over
(c) on
(d) down

Q10. She remained a _____ all her life
(a) spinster
(b) bachelor
(c) unmarried
(d) single

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.
After independence Indian agriculture rose like a phoenix due to the Green Revolution.
(a)with a new life
(b)with a start
(c)with royal gait
(d)with vengeance

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.
 to move heaven and earth
(a)to cause an earthquake
(b)to try everything possible
(c)to pray to all Gods
(d)to travel in a rocket

Q13. Directions: Out of the four alternatives, choose the one which can be **substituted** for the given words/sentence.
To take back, withdraw or renounce
(a)Repent
(b)Retrace
(c)Refuse
(d)Recant

Q14. Directions: Out of the four alternatives, choose the one which can be **substituted** for the given words/sentence.
Loss Of memory
(a) Ambrosia
(b) Amnesia
(c) Insomnia
(d) Forgetting

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) Ramahi is a student of medicine.
(P)The hopes of millions of cancer patients and doctors rest on his research.
(Q)But, of late he has become a drug addict
(R)He is doing research in cancer.
(S)He has already done very useful work in this field, and is hopeful of finding a solution to this disease.
(6)This addiction has been increasing day by day, and has started affecting his work.
(a) QPSR
(b)RSPQ
(c) SRPQ
(d)RSQP

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. Bhima reached the Rakshasa's den.
P.He was a monster with red hair and a red beard.
Q.He climbed down from the cart.
R.At once he sat down to eat the food.
S.The Rakshasa saw him.
6. When he saw what Bhima was doing, he roared.

(a) PQRS
(b) RQPS
(c) QRSP
(d) QPSR

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.
But here again, there are allegations of indiscriminate reclamations and acquisition to the farmland by the Adonis.
(a)reclamations and also acquisition by the farmland
(b)reclamation as well as acquisition of farmland
(c)reclamation and acquisition of farmland
(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.
They reached at Calcutta on Monday last.
(a)reached to Calcutta
(b)reached on Calcutta
(c)reached Calcutta
(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.
 YARDSTICK
(a)summation
(b) size
(c) statistics
(d) standard

Q20.Directions: In the following questions out of the four alternatives, choose the one which best expresses, the meaning of the given word.
PERILOUS
(a)hazardous
(b) rigorous
(c) resilient
(d) requisite

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.
The Stone Age was a period of history which began in approximately 2 million B.C. and lasted until 3000 B.C. Its name was derived from the stone tools and weapons that modern scientists discovered. This period was divided into the Paleolithic Mesolithic and Neolithic Ages. During the first period (2 million to 8000 B.C.) the fist hatchet and the use of fire for heating and cooking

were developed. As a result of the Ice Age which evolved about one million years in the Paleolithic Age people were fored to seek shelter in caves wear clothing and develop new tools. During the Mesolithic Age (8000 to 6000 B.C.) people made crude pottery and the first fish hooks took dogs for hunting and developed a bow and arrow which was used until the fourteenth century A.D. The Neolithic Age (6000 to 3000 B.C.) saw human kind domesticating sheep goats pigs and cattle becoming less nomadic than in the previous eras establishing permanent settlements and creating Governments.

The Stone Age was divided into
(a)5 periods
(b)3 periods
(c) 4 periods
(d)6 periods

Q22. Which of the following was first developed in Paleolithic period ?
(a)The bow and arrow
(b) Pottery
(c) The fist hatchet
(d) The fish hook

Q23. How many years did Mesolithic Age exist ?
(a)2000
(b)3000
(c)5000
(d)4000

Q24. Which period lasted longest?
(a)Paleolithic
(b)Ice Age
(c) Mesolithic
(d)Neolithic

Q25. When did the people create Governments ?
(a) 8000 to 6000 B.C.
(b) 2 millions to 8000 B.C.
(c) 6000 to 3000 B.C.
(d) 2 millions to 1 million B.C.

NUMERICAL APTITUDE
Q26. The population of a village is 250
00. One-fifth are females and the rest are males, 5% of males and 40% of females are uneducated. What percentage on the whole is educated?
(a) 75%
(b) 88%
(c) 55%
(d) 85%

Q27. In what time will Rs. 64,000 amount to Rs. 68921 at 5% per annum interest being compounded half yearly?
(a) 3/2 years
(b)2 years

(c)3 years
(d) 5/2 years

Q28. From the top of a tower of height 180m the angles of depression of two objects on either sides of the tower are 30° and 45°. Then the distance between the objects are
(a) 180(3+√3)
(b) 180(3-√3
(c) 180(√3-1)
(d) 180(√3+1)

Q29. In Δ ABC, the internal bisectors of ⌷ B and ⌷ C meet at point O. If ⌷ A = 80° then ⌷ BOC is of:
(a) 120°
(b) 140°
(c) 130°
(d) 100°

Q30. Let x be the smallest number, which when added to 2000 makes the resulting number divisible by 12, 16, 18 and
21. The sum of the digits of x is :
(a) 6
(b) 5
(c) 7
(d) 5

Q31. If tanθ =$\frac{4}{3}$, then the value of$\frac{3\sin\theta + 2\cos\theta}{3\sin\theta - 2\cos\theta}$ is:
(a) 0.5
(b) – 0.5
(c) 3.0
(d) – 3.0

Q32. If sinθ + sin²θ = 1, then the value of cos²θ + cos⁴θ is :
(a) 2
(b) 4
(c) 0
(d) 1

Q33. The length of a rectangular hall is 5m more than its breadth. The area of the hall is 750m
². The length of the hall is
(a) 15 m
(b) 22.5 m
(c) 25 m
(d) 30 m

Q34. If 3 sin θ + 5 cos θ = 5, then the value of 5 sin θ – 3 cos θ will be:
(a) ±3
(b) ± 5
(c) ± 2
(d) ± 1

Q35. If $\sqrt{(0.05 \times 0.5 \times a)} = 0.5 \times 0.05 \times \sqrt{b}$, then $\frac{a}{b}$ *is equal to*:
(a) 0.0025
(b) 0.025
(c) 0.25
(d) 0.00025

Q36. The simplified value of

$$\frac{\sqrt{6}+2}{\sqrt{2}+\sqrt{2+\sqrt{3}}} - \frac{\sqrt{6}-2}{\sqrt{2}-\sqrt{2-\sqrt{3}}} - \frac{2\sqrt{2}}{2+\sqrt{2}}$$

(a) $2\sqrt{6}$
(b) 2
(c) $\sqrt{3}$
(d) 0

Q37. Two trains start from station A and B and travel towards each other at speed of 16 miles/hour and 21 miles/hour respectively. At the time of their meeting, the second train has travelled 60 miles more than the first. The distance between A and B (in miles) is:
(a) 444
(b) 496
(c) 333
(d) 540

Q38. If a + b + c + d = 4, then find the value of
$$\frac{1}{(1-a)(1-b)(1-c)} + \frac{1}{(1-b)(1-c)(1-d)} + \frac{1}{(1-c)(1-d)(1-a)} + \frac{1}{(1-d)(1-a)(1-b)}:$$
(a) 0
(b) 5
(c) 1
(d) 4

Q39. The population of a village decreases at the rate of 20% per annum. If its population 2 years ago was 10,000, the present population is
(a) 4600
(b) 6400
(c) 7600
(d) 6000

Q40. A bag contains coins of Rs. 1, 50 paise and 25 paise in the ratio 2 : 3 : 5. If the total value of these coins is Rs. 228, then the number of 50 paise coins in that bag was:
(a) 144
(b) 124
(c) 112
(d) 96

Q41. If 6 men and 8 boys can do a piece of work in 10 days and 26 men and 48 boys can do the same in 2 days, then the time taken by 15 men and 20 boys to do the same type of work will be:
(a) 5 days
(b) 4 days
(c) 6 days
(d) 7 days

Q42. A shopkeeper purchased a TV for Rs. 2,000 and a radio for Rs. 750. He sells the TV at a profit of 20% and the radio at a loss of 5%. The total loss or gain is
(a) Gain Rs. 352.50
(b) Gain Rs. 362.50
(c) Loss Rs. 332
(d) Loss Rs. 300

Q43. Base of a right prism is a rectangle, the ratio of whose length and breadth is 3:2 if the height of the prism is 12 cm and total surface area is 288 sq. cm, the volume of the prism is:
(a) 288 cm³
(b) 290 cm³
(c) 286 cm³
(d) 291 cm³

Q44. The sun of two numbers is 75 and their difference is 25. The product of the two numbers is:
(a) 1350
(b) 1250
(c) 125
(d) 1000

Q45. The marked price of a sarees is Rs. 200. After allowing a discount of 20% on the marked price, the shopkeeper makes a profit of Rs. 16. Find the gain percent?
(a) 100/9 %
(b) 100/11%
(c) 11%
(d) 8%

Q46. The radius of the base of a conical tent is 16 meter. if 2992/7 sq. meter canvas is required to construct the tent, then the slant height of tent is (take pie =22/7)
(a) 17 metres
(b) 15 metres
(c) 19 metres
(d) 8.5 metres

Q47. A cube of edge 5 cm is cut into cubes each of edge of 1 cm. The ratio of the total surface area of one of the small cubes to that of the large cube is equal to:
(a) (a) 1 : 125
(b) 1 : 5
(c) 1 : 625
(d) 1 : 25

Q48. If sin (60°-θ) = cos (ψ − 30°), then the value of tan (ψ − θ) is (assume that θ and ψ are both positive acute angles with θ < 60° and ψ> 30°)
(a) 1/√3
(b) 0

(c) √3
(d) 1

Q49. If x = 7 - 4√3, then $\sqrt{x} + \frac{1}{\sqrt{x}}$ is equal to :

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

Q50. A candidate who goes 20% marks in an examination failed by 30 marks but another candidate who gets 32% gets 42 marks more than the pass marks then the percentage of pass marks is:

(a) 52%
(b) 50%
(c) 33%
(d) 25%

GENERAL INTELLIGENCE & REASONING

Q51.Direction: In each of the following questions, select the related word from the given alternatives.
Air : Breach : : Blood : ?
(a) Circulation
(b) Red
(c) Thick
(d) Shed

Q52.Direction: In each of the following question, select the related number from the given alternatives.
342 : 453 : : 831 : ?
(a) 942
(b) 720
(c) 922
(d) 740

Q53.Direction: In each of the following questions, select the related letter from the given alternatives.
BCDE : LMNO : : FGHI : ?
(a) RSTU
(b) JKLM
(c) HIJK
(d) PQRS

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. Find the odd man out from the given responses ?
(a) YXWV
(b) FUEV
(c) QPSR
(d) VUXW

Q56. Find the odd man out from the given responses ?
(a) Calf
(b) Bitch
(c) Kitten
(d) Cub

Q57. Find the odd man out from the given responses ?
(a) Money Order
(b) Speed Post
(c) Letter
(d) SMS

Q58. Find the odd man out from the given responses ?
(a) January, May
(b) April, June
(c) July, August
(d) January, December

Q59. Rahim travelled straight from point E to F at a distance of 5 km. From F he turned left and travelled 6 km and reached point G, there he took a left turn and travelled 5 km to reach point H. He took another left turn and travelled 2 km and reached point I. How far is he from the starting point?
(a) 3 km
(b) 4 km
(c) 5 km
(d) 7 km

Q60.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
LMN, MNOP, NOPQR, ?
(a) OPQRST
(b) RSTUVW
(c) QRSTUV
(d) PQRSTU

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

98, 72, ?, 32, 18, 8
(a) 42
(b) 46
(c) 50
(d) 54

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

169, 144, 121, 100, ?
(a) 99
(b) 74

(c) 81
(d)101

Q63.Direction: In each of the following questions, a series is given, with one/two terms missing. Choose the correct alternatives from the given ones that will complete the series.
If 8 - 8 = 16; 7-7= 14; 6-6 = 12, what is 5 - 5 = ?
(a)15
(b)10
(c) 12
(d)8

Q64. In certain code FAN is written as 21, 26, 13 then DEAD will be written as
(a)23, 26, 22, 23
(b)22, 23, 26, 22
(c)23, 22, 26, 23
(d)22, 23, 25, 22

Q65. If CALM is written as XZON, then JACKAL may be written as
(a) FZXPZM
(b) QZXPZO
(c) FXZOZP
(d) ZQPOZX

Q66. Find the odd man out from the given responses ?
44, 38, 35, 37, 48, 76, 135
(a)35
(b)37
(c) 76
(d)135

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.
PRONUNCIATION
(a) RATION
(b) PRONOUN
(c) PRINT
(d) NATURAL

Q68.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.
 NEWSPAPER
(a)SWEET
(b) REPEAT
(c) SOUR
(d) WASP

Q69. Direction: Which one set of letters when sequentially placed at the gaps in the given letters series shall complete .

R_S_ PM_KSB_MRK_
(a)KRKSP
(b) KBRPS
(c) RKSPM
(d) BPSMP

Q70. Find the wrong number in the series : 30,27, 36, 45, 72
(a)30
(b)27
(c) 36
(d)72

Q71.A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as in two matrices given below. The columns and rows of Matrix I are numbered from 0 to 4 and that of Matrix II are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, e.g., A' can be represented by 12, 23, etc. and 'K' can be represented by 55, 77, etc. Similarly, identify the set for the word STRONG.

MATRIX-I

	0	1	2	3	4
0	R	A	I	N	G
1	G	R	A	I	N
2	N	G	R	A	I
3	I	N	G	R	A
4	A	I	N	G	R

MATRIX-II

	5	6	7	8	9
5	K	S	T	O	C
6	C	K	S	T	O
7	O	C	K	S	T
8	T	O	C	K	S
9	S	T	O	C	K

(a)56, 58, 11, 14, 13, 10
(b)67, 79, 22, 86, 20, 21
(c)78, 85, 33, 97, 32, 43
(d)89, 95, 44, 75, 42, 32

Q72.Directions: which of the answer figures is exactly the mirror image of the given figure?
Question Figure :
6 5 4
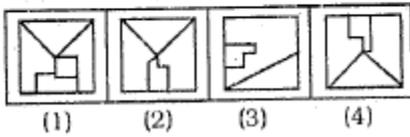**Answer Figures :**
9ᔕ߈ ߈ᔕ9 456 654
 (1)   (2)   (3)   (4)
(a)[1]
(b)[2]
(c)[3]
(d)[4]

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.
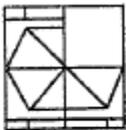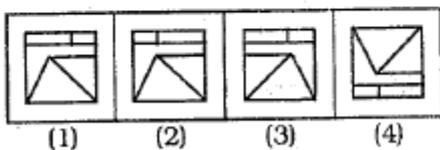
Question Figure :

Answer Figures :

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

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

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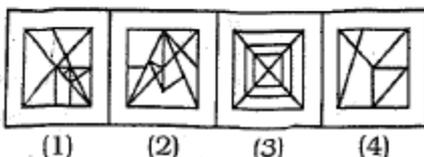
Question Figure :

Answer Figures :

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

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

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

Question Figure :

Answer Figures :

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

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

GENERAL AWARENESS

Q76. The substance most commonly used as a food preservative is
(a) sodium carbonate
(b) tartaric acid
(c) acetic acid
(d) sodium salt of benzoic acid

Q77.A compact disc (CD) is a data storage system of the type
(a)magnetic
(b)optical
(c)electrical
(d)electromechanical

Q78. The planet revolving east to west is
(a) Venus
(b)Uranus
(c) Neptune
(d)Pluto

Q79. The term gene was coined by
(a)T. H. Morgan
(b)W. L. Johanssen
(c)G. Mendel
(d)De Vries

Q80. The disease that is caused by virus is
(a)Typhoid
(b) Cholera
(c) Common Cold
(d) Tetanus

Q81. The noble gas used in radiotherapy is
(a) neon
(b) argon
(c) radon
(d) xenon

Q82. When lime juice is dropped on baking soda brisk effervescence takes place because the gas evolved is
(a) Hydrogen
(b) Oxygen
(c) Carbon dioxide
(d) All of them

Q83.A computer programming language often used by children is
(a) LOGO
(b) PILOT
(c) BASIC
(d) JAVA

Q84. For a person having hyper metropia the near point is
(a)greater than 25 cm
(b)greater than 50 cm
(c)less than 25 cm
(d)infinity

Q85. There is no provision in the Constitution for the impeachment of the
(a)Chief Justice of India
(b)Chief Justice of a High Court:
(c) Governor
(d) Vice President

Q86. Consider the following statements:
1.Climate of Europe became relatively drier and warmer in the 10th and 11th centuries A.D.
2.Production of wine in England increased due to this warming of climate.
Which of the above statements is/are true?
(a)1 only
(b)2 only
(c)Both 1 and 2
(d)Neither1 nor 2

Q87. The biochemical effects of ozone and PAN appear mostly to arise from the generation of
(a) Carbonations
(b) Free radicals
(c) Carbanions
(d) Carbenes

Q88. Swaranparty took part in the election in
(a)1923, 1926
(b) 1919, 1923
(c) 1920, 1926
(d) 1919, 1920

Q89. Quit India movement was adopted by the INC at
(a) Bombay
(b) Ahmadabad
(c) Pune
(d) Calcutta

Q90. With reference to the Finance Commission of India, which of the following statements is correct?
(a)It encourages the inflow of foreign capital for infrastructure development
(b)It facilitates the proper distribution of finances among the Public Sector Undertakings
(c)Reinsures transparency in financial administration
(d)Neither of the above

Q91. Arrange the states in descending order in terms of population.
1.Uttar Pradesh
2.West Bengal
3.Madhya Pradesh
4.Maharashtra
(a)1,2, 3,4
(b)1,3,4, 2
(c)1, 2, 4, 3
(d)1,4, 2, 3

Q92. What is the most significant feature of the Indus Valley civilization?
(a)burnt brick buildings
(b)first true arches
(c)buildings of worship
(d)art and architecture

Q93. Which one of the colours used in the paintings at Ajanta was obtained from imported Lapis lazuli?
(a) red
(b)blue
(c) yellow
(d) green

Q94. All the progeny obtained from a single plant by vegetative propagation are called
(a) Clones
(b) Pure line
(c) Indeed line
(d) Pedigree line

Q95. Two richest known sources of edible protein are
(a)meat and eggs
(b)milk and vegetables
(c)soybean and groundnut
(d)some type of algae and other micro-organisms

Q96. Which one of the following is a coastal district in Kerala?
(a)Palghat
(b) Wayanad
(c) Kovallam
(d) Idukki

Q97. Which of the following are not grown in the Kharif season ?
(a)Bajra and rice
(b)Maize and jowar
(c)Barley and mustard
(d)Jowar and rice

Q98. The world famous Peacock Throne was kept In which of the following Mughal buildings ?
(a)Diwanr Khasa Fatehpur Sikri
(b)New Agra Fort
(c)The Rang Mahal of the Red Fort at Delhi
(d)The Diwani Ain of the Red Fort at Delhi

Q99. The Government of India made it obligatory on the part of all commercial banks that they should give some cash amount while purchasing Government bonds. What would you call this?
(a) Statutory Liquidity Ratio
(b)Cash Reserve Ratio
(c)Minimum Reserve Ratio
(d)Floating Reserve Ratio

Q100. Which combination of colour is the most convenient during day and night time ?

(a)Orange and blue
(b)White and black
(c)Yellow and blue
(d)Red and green

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