## SSC Multi Tasking MODEL PAPER - 2

## GENERAL INTELLIGENCE AND REASONING

1. IF DELHI is coded as 73541 and CALCUTTA as 82589662 , how can CALICUT be coded?
(a) 5279431
(b) 5978213
(c) 8251896
(d) 8543691
2. Mother was three times the age of her daughter five year ago. After five year, mother will be twice as old as her daughter. How old is the daughter today?
(a) 5 yr
(b) 10 yr
(c) 15 yr
(d) 20 yr
3. Q is the son of $\mathrm{P}, \mathrm{X}$ is the daughter of $\mathrm{Q}, \mathrm{R}$ is the aunty (Bua) of X and L is the son of $R$, then what is $L$ to $P$ ?
(a) Grandson
(b) Granddaughter(c) Dughter
(d) Nephew
4. Five birds Crow, Pigeon, Little Pigeon, Big Crow and Eagle fly one after other from a tree branch. Big Crow flew after Crow but is ahead of Eagle. Pigeon is between crow and Big Crow. Little Pigeon is before Crow. Which bird is the last?
(a) Pigeon
(b) Big Crow
(c) Eagle
(d)None of these

Direction (G.Nos 5-7) select the related letters/word number from the given alternatives.
5. KMF : LLH :: RMS : ?
(a) SLR
(b) SLU
(c) SSU
(d) SUS
6. CEGI : RTVX :: IKMO : ?
(a) JKLNP
(b) LNPR
(c) MNPG
(d) DFHI
7. $8: 28:: 27: ?$
(a) 8
(b) 28
(c) 64
(d) 65

Directions (G. Nos. 8-9) Find the odd word/letters/number from the given alternatives.
8.
(a) 432
(b) 583
(c) 693
(d) 671
9. (a) 14-49
(b) 16-64
(c) 20-100
(d) 24-121

Direction (G. Nos. 10-12) A series is given with one (or more) term missing. Choose the correct alternative from the given ones that will complete the series.
10. D, F, I, M ?
(a) P
(b) Q
(c) R
(d) T
11. AEI, BFJ, CGK,?
(a) DHL
(b) DLH
(c) EIM
(d) LPT
12. $1,6,15, ?, 45,66,91$
(a) 25
(b) 26
(c) 27
(d) 28
13. Find out the wrong number in the series. $216,163,120,72,24$
(a) 216
(b) 163
(c) 72
(d) 24
14. If $3 \times 2=10,5 \times 4=18$ and $6 \times 5=22$, then $7 \times 6=$ ?
(a) 20
(b) 26
(c) 30
(d) 42
15. Some equations are solved on the basis of a certain system. Find out the correct answer from amongst the given alternatives for the unsolved equation on that basis.
$6 x 4 x 3=436 ; 8 x 4 x ?=468$;
$6 \mathrm{x} 9 \mathrm{x} 8=986$
(a) 3
(b) 4
(c) 5
(d) 6
16. Substitute the arithmetical signs in place of $*$ in the following equation 7* $7 * 2 * 1=12$
(a) $\mathrm{x},-,+$
(b),,$+- x$
(c) $\mathrm{x},-,+$
(d) $+, \mathrm{x},-$
17. If $x^{\prime}$ means,$+ ' \div$ means ${ }^{\prime}-$ ', + means $' \div$ ' then $15+3 x 4 \div 3=$ ?
(a) 12
(b) 13
(c) 8
(d) 42
18. Find out the missing number.

| 8 | 9 | 7 |
| :---: | :---: | :---: |
| 4 | 5 | 6 |
| 2 | 4 | $?$ |
| 64 | 180 | 294 |

(a) 6
(b) 7
(c) 8
(d) 9
19. In a certain code 'KINDLE' is written as ELDNIK, how 'EXOTIC can be written in that code?
(a) EXIOTC
(b)COXITE
(c) CXOTIE
(d) CITOXE

Direction (Q. No. 20) Two statements are given followed by two Conclusions I and II. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follow from the given statements.
20. Statements Some humane creatures are angels. All doctors are angels.

## Conclusions

I. Some humane creatures are doctors.
II. Some doctors are humane creatures.
(a) Only I follows
(b) Only II follows
(c) Both I and II follow
(d) Neither I nor II follows

Direction (Q. No. 21) Select the missing figure from the given responses.
21. Question Figures


## Answer figures


(a)

(b)

(c)

(d)

Direction (Q. No. 22) Find the odd figure from the given alternatives.
22.

(a)

(b)

(c)

(d)
23. A paper is folded and cut as shown in the given figures. When opened how will it appear, find from the four alternatives given.
Question Figures


## Answer Figures


(a)

(b)

(c)

(d)

Direction (Q. No. 24) Which answer figure will complete the question figure?
24. Question Figure


Answer Figures

25. Which of the following figure represents the relationship among DOG, CAT and PET?

(a)

(b)

(c)

(d)
26. A dealer sold $\frac{3}{4}$ of his articles at a gain of $24 \%$ and the remaining at the cost price. Percentage of gain in the whole transaction is
(a) 15
(b) 18
(c) 24
(d) 32
27. In an office $40 \%$ of the staff is female, $40 \%$ of the female and $60 \%$ of the male voted for me. The percentage of votes I got was
(a) 24
(b) 42
(c) 50
(d) 52
28. The cost of an article worth ? 100 is increased by $10 \%$ first and again increased by $10 \%$. The total increase in rupees is
(a) 20
(b) 21
(c) 110
(d) 121
29. When a person cycled at $10 \mathrm{~km} / \mathrm{h}$ he arrived at his office 6 min late. He arrived 6 min early, when he increased his speed by $2 \mathrm{~km} / \mathrm{h}$. The distance of his office from the starting place is
(a) 6 km
(b) 7 km
(c) 12 km
(d) 16 km
30. $\frac{0.04}{0.03}$ of $\frac{\left(3 \frac{1}{3}-2 \frac{1}{2}\right) \div \frac{1}{2} \text { of } 1 \frac{1}{4}}{\frac{1}{3}+\frac{1}{5} \text { of } \frac{1}{9}}=$ ?
(a) 1
(b) 5
(c) $\frac{1}{5}$
(d) $\frac{1}{2}$
31. The sum of a two digit number and the number obtained by reversing its digits is a square number. How many such numbers are there?
(a) 5
(b) 6
(c) 7
(d) 8
32. When a number is divided by 24 , the remainder is 16 . The remainder when the same number is divided by 12 is
(a) 3
(b) 4
(c)6
(d) 8
33. The unit's digit in the product $7^{71} \times 6{ }^{63} \times 3{ }^{65}$ is
(a)1
(b) 2
(c) 3
(d) 4
34. The LCM of two numbers is 48 . The numbers are in the ratio $2: 3$. The sum of the numbers is
(a) 28
(b) 32
(c) 40
(d)64
35. The value of $\frac{1}{\sqrt{2}+1}+\frac{1}{\sqrt{3}+\sqrt{2}}+\frac{1}{\sqrt{4}+\sqrt{3}}+\ldots+\frac{1}{\sqrt{100}+\sqrt{99}}$ is
(a) 1
(b) 9
(c) $\sqrt{99}$
(d) $\sqrt{99}-1$
36. $A$ and $B$ can do a piece of work in 72 days, $B$ and $C$ can do it in 120 days, and A and C can do it in 90 days. When A, B and C work together, how much work is finished by them in 3 days.
(a) $\frac{1}{40}$
(b) $\frac{1}{30}$
(c) $\frac{1}{20}$
(d) $\frac{1}{10}$
37. $A$ is twice as good a workman as $B$ and together they finish a piece of work in 14 days. The number of days taken by A alone to finish the work is
(a) 11 days
(b) 21 days
(c) 28 days
(d) 42 days
38. The ratio of the length of the parallel sides of a trapezium is $3: 2$. The shortest distance between them is 15 cm . If the area of the trapezium is 450 cm 2 , then sum of lengths of the parallel sides is
(a) 15 cm
(b) 36 cm
(c) 42 cm
(d) 60 cm
39. A parallelogram has sides 15 cm and 7 cm long. The length of one of the diagonals is 20 cm . The area of then parallelogram is
(a) $42 \mathrm{~cm}^{2}$
(b) $60 \mathrm{~cm}^{2}$
(c) $84 \mathrm{~cm}^{2}$
(d) $96 \mathrm{~cm}^{2}$
40. A sphere and a cylinder have equal volume and equal radius. The ratio of the curved surface area of the cylinder to that of the sphere is
(a) $4: 3$
(b) $2: 3$
(c) $3: 2$
(d) $3: 4$
41. The marked price of a watch is 1600 . The shopkeeper gives successive discounts of $10 \%$ and $x \%$ to the customer. If the customer pays 1224 for the watch, the value of x is?
(a) 5
(b) 10
(c) 15
(d) 20
42. The monthly income of H and W is in the ratio 4 : 3 and the expenditure is in the ratio $3: 2$. If each of them saves 600 per month, the income of $W$, in rupees is
(a) 1200
(b) 2400
(c) 1800
(d) 9000
43. If $\frac{a}{b}=\frac{2}{3}$ and $\frac{b}{c}=\frac{4}{5}$, then $(a+B):(b+x)=$ ?
(a) $3: 4$
(b) $4: 5$
(c) $5: 9$
(d) $20: 27$
44. In a class, the average score of girls in an examination is 73 and that of boys is 71. The average score for the whole class is 71.8 . Find the percentage of girls.
(a) $40 \%$
(b) $50 \%$
(c) $55 \%$
(d) $60 \%$
45. If the cost price is $95 \%$ of the selling price, what is the profit percent?
(a) 4
(b) 4.75
(c)5
(d)5.26
46. On a certain sum of money, the difference between the compound interest for a year, payable half-yearly, and the simple interest for a year is 180 . If the rate of interest in both the cases is $10 \%$, then the sum is
(a) Rs. 60000
(b) Rs. 72000
(c) Rs. 62000
(d) Rs. 54000

Directions (Q. Nos. 47-50) Study the following graph and given the answers of the following question.
Production of fertilizers by a company
(in 10000 tonnes over the years_1995-2002)

47. What was the percentage decline in the production of fertilizers from 1997 to 1998?
(a) $33 \frac{1}{3} \%$
(b) $30 \%$
(c) $25 \%$
(d) $20 \%$
48. In how many years was the production, fertilizers more than the average production of the given years?
(a)1
(b) 2
(c)3
(d) 4
49. In which year was the percentage increase in production as compared to the previous year, the maximum?
(a) 2002
(b) 2001
(c) 1996
(d) 1997
50. The ratio of total production of fertilizers in the years 1996 and 1997 to that of total production in the years 1995, 1998 and 2000 is
(a) $5: 6$
(b) $6: 5$
(c) $20: 29$
(d) $13: 24$

Directions (Q. Nos. 51-60) In the following passage, some of the words have been left out. First read the passage over and try to understand what it is about. Then, fill in the blanks with the help of the given alternatives.

## Passage

Petroleum is the name of the $\mathbf{5 1}$ oil that comes from $\mathbf{5 2}$ the ground and from the oil wells. From this crude oil, we get the various $\mathbf{5 3}$ that drive ships, aircraft and many other forms of land $5 \mathbf{5 4}$. The quantities needed are 55, so countries that have their own oil fields are 56 . The $\mathbf{5 7}$ of oil in many parts of the Middle East has brought great $\mathbf{5 8}$ to countries that were, fifty years ago, very 59 . Now-a-days without petroleum, commerce and industry are not $6 \mathbf{0}$.
51. (a) refined
(b) engine
(c) mineral
(d) cooking
52. (a) in
(b) under
(c) over
(d) into
53. (a) fuels
(b) liquids
(c) spirits
(d) gases
54. (a) communication
(b) connection
(c) transport
(d) development
55. (a) slight
(b) moderate
(c) minute
(d) immense
56. (a) wise
(b) fortunate
(c) good
(d) civilzed
57. (a) discovery
(b) invention
(c) preparation
(d) creation
58. (a) fame
(b) strength
(c) wealth
(d) confidence
59. (a) weak
(b) poor
(c) insignificant
(d) sick
60. (a) possible
(b) fortunate
(c) successful
(d) reliable

Directions (Q. Nos. 61-65) In the following questions, some of the sentences have errors and some the correct. Find out which part of a sentence has an error and corresponding to the approriate answer (a), (b) and (c). If a sentence is free from errors, corresponding to (d).
61. (a)She is one of the/
(b) best mothers/
(c) that has ever lived./
(d) No error
62. (a) John, I and Hari/
(b) have finished/
(c) our studies./
(d) No error
63. (a) Neither the mouse/
(b) nor the lion/
(c) were caught./
(d) No error
64. (a) After you will returns/
(b) from New Delhi /
(c) I will meet you./
(d) No error
65. (a) When I was young/
(b) I used to collect stamps/
(c) as a hobby./
(d) No error

Directions (Q. Nos. 66-70) In the following questions, sentences are given with blanks to be filled in with an appropriate word(s). Four alternatives are suggested for each quetion. Choose the correct alternative out of the four.
66. The sparrows took no. $\qquad$ the bread.
(a) notice of
(b) notice about
(c) notice from
(d) notice to
67. He shows great ability. $\qquad$ .Mathematics.
(a) at
(b) for
(c) about
(d) in
68. There.........any message from my teacher since she moved to London
(a) isn't
(b) wasn't
(c) hasn't been
(d) hadn't been
69. May I give you......i. advice ?
(a) an
(b) some
(c) little
(d) one
70. She has been supporting her family ......... her husband's death.
(a) on
(b) at
(c) from
(d) since

Directions (Q. Nos. 71-75) In the following questions, out of the four alternatives, choose the one which best expresses the meaning of the given word.
71. Cajole
(a) Insist
(b) Persuade
(c) Flatter
(d) Recommend
72. Fragrance
(a) Taste
(b) Aroma
(c) Sight
(d) Touch
73. Fictitious
(a) False
(b) Frail
(c) Foul
(d) Flattering
74. Obscene
(a) Dirty
(b) Unhealthy
(c) Indecent
(d) Unwanted
75. Imitate
(a) Follow
(b) Copy
(c) Think
(d) Allude

Directions (G. Nos. 76-80) In the following questions, choose the word opposite in meaning to the given word.
76. Strife
(a) War
(b) Peace
(c) Anger
(d) Woe
77. Repulsive
(a) Attractive
(b) Reflective
(c) Distinctive
(d) Progressive
78. Isolation
(a) Segregation
(b) Association
(c) Seclusion
(d)Deportation
79. Antique
(a) Common
(b) Recent
(c) Innovative
(d) Youthful
80. Contented
(a) Dissatisfied
(b)Emptied
(c) Happy
(d) Unfriendly

Directions (Q.Nos. 81-85) In the following questions, four alternatives are given for the given idiom/phrase. Choose the alternative which best expresses the meaning of the given idiom/phrase.
81. I had to pull strings to put up a good show.
(a) play music
(b) use personal influence
(c) use the instrument
(d) play a song
82. You can easily overcome this situation if you keep your head.
(a) keep faith in
(b) remain calm
(c) believe in
(d) trust the others
83. It is clear that the ideas of both reformers ran in the same grove.
(a) promoted each other
(b) clashed with each other
(c) moved in harmony
(d) moved in different directions
84. This place affords a bird's eye view of the green valley below.
(a) a beautiful view
(b) a narrow view
(c) an overview
(d) an ugly view
85. He works in fits and starts.
(a) consistently
(b) irregularly
(c) in high spirits
(d) enthusiastically

Directions (Q. Nos. 86-90) In the following questions, a part of the sentence is underlined. Below are given alternatives to the underlined part at (a), (b) and (c) which may improve the sentence. choose the correct alternative. In case no improvement is needed, your answer is (d).
86. I have not finished to paint the door.
(a) painting
(b) the paint of
(c) the painting
(d) no improvement
87. She usually does not leave for work until she finished all her chores.
(a) finishes
(b) has finished
(c) had finished
(d) No improvement
88. The article should not exceed more than hundred words.
(a) exceed beyond
(b) exceed than
(c) exceed
(d) no improvement
89. Geeta said that she had never viewed across a book she liked so much
(a) come across
(b) come through
(c) come round
(d) No improvement
90. I will be giving blood in the hospital at 9.00 am tommorrow.
(a) exchanging
(b) contributing
(c) donating
(d) No improvement

Directions (Q.Nos. 91-95) In the following questions, out of the four alternatives, choose the one which can be substituted for the given words/sentence.
91. A disease which is spread by direct contact
(a) Contagious
(b) Infectious
(c) Epidemic
(d) Endemic
92. The study of ancient civilizations
(a) History
(b)Anthropology
(c) Enthnology
(d) Archaeology
93. An animal story with a moral
(a) Fable
(b) Tale
(c) Anecdote
(d) Parable
94. A thing likely to be easily broken
(a) Vulnerable
(b) flexible
(c) brittle
(d) delicate
95. Body of singers
(a) Coir
(b) Quorum
(c) Quire
(d) Choir

Directions (Q.Nos. 96-100) In the following questions, groups of four words are given. In each group, one word is correctly spelt. Find the correctly spelt word.
96
(a) Definitely
(b) Definately
(c) Definitley
(d) Definitly
97. (a) Cemetary
(b) Semetary
(c) Cemetery
(d) Cemetry
98. (a) Recesion
(b) Reccesion
(c) Reccession
(d) Recession
99. (a) Millonare
(b) Millionare
(c) Millonaire
(d) Millionaire
100. (a) Inconvenienced
(b) Inconvinienced
(c) Inconvineinced
(d) Inconvenneinced
101. The Indian monument recently inscribed in the UNESCO' S world Heritage List is
(a) Jantar Mantar of Ujjain
(b) Jantar Mantar of Varanasi
(c) Jantar Mantar of Delhi
(d) Jantar Mantar of Jaipur
102. Yen is the currency of
(a) Yogslavia
(b)Mexico
(c) Japan
(d) Thailand
103. Nasik is situated on the bank of the river
(a) Mahanadi
(b) Tapti
(c) Krishna
(d) Godavari
104. Which on of the following is a 'Surface to Air missile'?
(a)Trishul
(b) K-15 Sagarika
(c) Brahmos
(d) Agni
105. Nehru Trophy is associated with
(a) Hockey
(b) Football
(c) Kabaddi
(d) Table Tennis(Women)
106. Odissi clssical dance originated in
(a) Odisha
(b) Andhra Pradesh
(c) Rajasthan
(d) Gujarat
107. Who discovered America?
(a) Vasco-Da-Gama
(b) Columbus
(c) Captain Cook
(d) Amundsen
108. The famous paintin 'Monalisa' was the creation of
(a) Michael-Angelo
(b) Leonardo-Da-Vinci
(c) Piccasso
(d) Van Gogh
109. The first woman to swim across seven important seas is
(a) Chandini
(b) Bula Choudhary
(c) Mridula Rajiv
(d) Priya Shanbhag
110.Insulin was discovered by
(a) F Banting
(b) Edward Jenner
(c) Ronald Ross
(d) SA Wakesman
111. The radioactive Strontium-90 causes
(a) Brain cancer
(b) Skin cancer
(c) Lung cancer
(d) Bone cancer
112. Shivpuri National Park of Madhya Pradesh is Important for
(a) Tiger and Elephatnt
(b) wild Buffalo
(c) Birds
(d) Leopard and Chital
113. Decibel is a term connected with
(a) air
(b) water
(c) sound
(d) soil
114. 'Van Mahotsav' is associated with
(a) cutting trees
(b) planting trees
(c) increase in crop
(d) protection of plants
115.The accounting year of Reserve Bank of India runs from
(a) April to March
(b) July to June
(c) January to December
(d) August to july
116. Agricultural Commodities, are graded with
(a) ISI
(b) Eco-products
(c) AGMARK
(d) Green product
117. The food stocks that are built up during the years of bumper harvest are called
(a)Capital stock
(b) Buffer stock
(c)Production stock
(d) Grain stock
118. The Minimum Wages Act was first passed in India in the year
(a) 1947
(b) 1948
(c) 1950
(d) 1951
119. Human Development Index was developed by
(a) Amartya Sen
(b) Friedman
(c) Mahbub-ul-Haq
(d) Montek Singh
120. Crop sown soon after the onset of South-West monsoon in India is called
(a)Rabi
(b) Kharif
(c) Rainfed
(d) Dry farming
121. In which State is 'Silent Valley' located?
(a) Tamil Nadu
(b) Kerala
(c) Asom
(d) Arunachal Pradesh
122. Which is the International Date Line?
(a) Equator
(b) $0^{\circ}$ longitude
(c) $90^{\circ}$ East longitude
(d) $180^{\circ}$ longitude
123. The main cause of Tsunami is
(a) Volcanoes
(b) Cyclones
(c) Earthquake on sea floor
(d) Moon's attraction
124. The Central Drug Research Institute of India is located at
(a) Delhi
(b) Bengaluru
(c) Chennai
(d) Lucknow
125. Nomination of Rajya Sabha Members by the President was taken from the Constitution of
(a) USA
(b) Ireland
(c) South Africa
(d) France
126. The concept of Sovereign Parliament originated in
(a) England
(b) India
(c) France
(d) Japan
127. National Institute of Rural Development is located at
(a) New Delhi
(b) Mumbai
(c) Hyderabad
(d) Kanpur
128. Who is considered the Architect of the Indian Constitution?
(a) Mahatma Gandhi
(b) BR Ambedkar
(c) Jawaharlal Nehru
(d) BN Rao
129. Who said that "India's soul lives in villages"?
(a) Vinoba Bhave
(b) Jayaprakash Narayan
(c) Nehru
(d) Gandhiji
130. What was the name of the newspaper edited by Gandhiji till 1933 ?
(a) Sarvodaya
(b) Arya
(c) Times of India
(d) Young India
131. Who started the 'Servants of India Society'?
(a) Bal Gangadhar Tilak
(b) Gopalkrishna Gokhale
(c) Surendranath Banerjee
(d) Dadabhai Naoroji
132. Who among the' following revolutionaries was executed by the British?
(a) Jatin Das
(b) Chandrashekhar Azad
(c) Raj guru
(d) Kalpana Dutt
133. In which of the following towns is 'Moti Masjid' situated?
(a) Agra
(b) Jaipur
(c) Lahore
(d) Ahmedabad
134. Which of the following are beliefs of Buddhism?
(i) The world is full of sorrows.
(ii) People suffer on account of desires.
(iii) If desires are conquered, nirvana will be attained.
(iv) The existence of God and Soul must be recognized.
(a) (i), (ii), (iii) and (iv)
(b) (ii) and (iii)
(c) (i), (ii) and (iii)
(d) (ii), (iii) and (iv)
135. Which of the following is a good source of vitamin 'E'?
(a) Meat
(b) Ghee
(c) Yellow Yolk
(d) Fresh Vegetables
136. Penicillin is isolated from
(a) Fungi
(b) Algae
(c) Virus
(d) Bacteria
137. The total number of bones in the human body is
(a) 206
(b) 260
(c) 306
(d)360
138. Bile is secreted by
(a) Gallbladder
(b) Liver
(c) Bile duct
(d) Pancreas
139. Name the vitamin not found in any animal food.
(a) Vitamin $\mathrm{B}_{\mathrm{I} 2}$
(b) Vitamin C
(c) Vitamin D
(d) Vitamin K
140. The largest organ of human body is
(a) Heart
(b) Brain
(c) Liver
(d) Kidney
141. Which type of mirror is used in the head lights of vehicles?
(a) Plane mirror
(b) Concave mirror
(c) Convex mirror
(d) Parabolic mirror
142. The height of a geo-stationary satellite from the Earth's surface is approximately
(a) 36000 km
(b) 42000 km
(c) 30000 km
(d) None of the above
143. An electric iron has a heating element made of
(a) Copper
(b) Tungsten
(c) Nichrome
(d) Zinc
144. The planet nearest to the Sun is
(a) Earth
(b) Mercury
(c) Mars
(d) Venus
145. The process of covering water pipes made of iron with zinc layer to prevent corrosion is called
(a) Zinc plating
(b) Alloy formation
(c) Vulcanization
(d) Galvanization
146. The particle required to continue the chain process of Uranium fission is
(a) Electron
(b) Proton
(c) Neutron
(d) Positron
147. Which of the following is used to increase the anti-knocking property of petrol?
(a) Tetramethyl lead
(b) Tetraethyl lead
(c) Trimethyl lead
(d) Triethyl lead
148. The chief source for the production of nitrogeneous fertilizers is
(a) Ammonia
(b) Nitric acid
(c) Nitrogen
(d) Nitrogen dioxide
149. Fifth generation computers do not have
(a) Speech recognition
(b) Artificial intelligence
(c) Very large scale integration
(d) Vacuum tubes
150. Where does a computer add, compare and shuffle data?
(a) Memory chip
(b) CPU chip
(c) Floppy disk
(d) Hard disk
$\begin{array}{llllllllllllll}\text { 1.c } & 2 . c & 3 . a & 4 . c & 5 . b & 6 . b & 7 . d & 8 . a & 9 . d & 10 . c & 11 . a & 12 . d & 13 . b & 14 . b\end{array} \quad 15 . \mathrm{d}$ 16.b $17 . \mathrm{a} \quad 18 . \mathrm{b} \quad 19 . \mathrm{d} \quad 20 . \mathrm{d} \quad 21 . \mathrm{b} \quad 22 . \mathrm{c} \quad 23 . \mathrm{c} \quad 24 . \mathrm{c} \quad 25 . \mathrm{d} \quad 26 . \mathrm{b} \quad 27 . \mathrm{d} \quad 28 . \mathrm{b} \quad 29 . \mathrm{c} \quad 30 . \mathrm{b}$ $\begin{array}{llllllllllllll} & 31 . d & 32 . b & 33 . d & 34 . c & 35 . b & 36 . b & 37 . b & 38 . d & 39 . c & 40 . c & 41 . c & 42 . c & 43 . d\end{array} 44 . a \quad 45 . d$ $46 . \mathrm{b} 47 . \mathrm{c} 48 . \mathrm{d} 49 . \mathrm{d} 50 . \mathrm{a} 51 . \mathrm{c} 52 . \mathrm{b} 53 . \mathrm{a} \quad 54 . \mathrm{c} 55 . \mathrm{d} \quad 56 . \mathrm{b} \quad 57 . \mathrm{a} \quad 58 . \mathrm{c} \quad 59 . \mathrm{b} \quad 60 . \mathrm{a}$
 76.b 77.a 78.b 79.a 80.a 81.b 82.b 83.c 84.c 85.b 86.a 87.b 88.c 89.a 90.c 91.a 92.b 93.a 94.d 95.d 96.a 97.c 98.d 99.d 100.a 101.d 102.c 103.d 104.a 105.b 106.a 107.b 108.b 109.b 110.a 111.d 112.a 113.c 114.b 115.a 116.c 117.d 118.b 119.c 120.a 121.b 122.d 123.c 124.d 125.b 126.a 127.c 128.b 129.c 130.d 131.b 132.c 133.a 134.d 135.d 136.a 137.a 138.a 139.c 140.c 141.b 142.a 143.c 144.b 145.d 146.c 147.b 148.a 149.d 150.b

