AFCAT PREVIOUS YEAR PAPER 2020 (Memory Based)

Q1. Select the synonym of "**Cajole**"
(a) bash
(b) bully
(c) wheedle
(d) decline

Q2. Select the synonym of "**Baulk**"
(a) accept
(b) pursue
(c) eschew
(d) increase

Q3. Select the synonym of "**Parochial"**
(a) conservative
(b) tremendous
(c) liberal
(d) cosmopolitan

Q4. Select the synonym of "**Jibe**"
(a) sneer
(b) flatter
(c) blarney
(d) request

Q5. Select the antonym of "**Naive**"
(a) sophisticated
(b) artless
(c) credulous
(d) callow

Q6. Select the antonym of "**Sporadic**"
(a) random
(b) erratic
(c) steady
(d) uneven

Q7. Select the antonym of "**Dodge**"
(a) avoidance
(b) clear
(c) evade
(d) confront

Q8. Select the antonym of "**Enjoin**"
(a) direct
(b) counsel
(c) forbid
(d) none of these

Q9. In the question, four words are given, out of which only one word is correctly spelt. Find the correctly spelt word.
(a) Locuacious
(b) Lokuacious
(c) Locvacious
(d) Loquacious

Q10. In the question, four words are given, out of which only one word is correctly spelt. Find the correctly spelt word.
(a) Impugn
(b) Impagn
(c) Impegn
(d) Impeign

Directions (11-14): In these questions, four alternatives are given for the idiom/phrase given in bold. Choose the alternative which best expresses the meaning of the idiom/ phrase given in bold.

Q11. At close quarters
(a) From a very short distance
(b) To miss a big opportunity
(c) To argue with someone
(d) To fight over a trivial issue

Q12. Bring to book
(a) To gift a book to someone
(b) To keep an account of all the expenses
(c) To demand an explanation from
(d) To read a book enthusiastically

Q13. Blaze the trail
(a) To erase the evidences
(b) To start a movement
(c) To put something on fire
(d) To win a case in the court

Q14. Hit below the belt
(a) To do something thoroughly
(b) To strike unfairly
(c) To end up in an awkward situation
(d) To let someone commit mistakes

Directions (15-17): In the following questions, out of the four alternatives choose the one which can be substituted for the given words/sentence.

Q15. To delay or prevent someone or something by obstructing them
(a) to perturb
(b) to impede
(c) to irk
(d) to faze

Q16. A period of time during which a person that might have a disease is kept away from other people so that the disease cannot spread
(a) solitude
(b) seclusion
(c) quarantine
(d) desolate

Q17. A heavy blow or the sound of such a blow.
(a) lop
(b) slop
(c) flop
(d) whop

Direction (18-19): In the following question, a sentence has been given in Active/Passive voice. Out of four alternatives suggested, select the one, which best expresses the same sentence in Passive/Active voice.

Q18. He gave me spectacles.
(a) Spectacle was given to me.
(b) Spectacles were given to me by him.
(c) I was offered spectacles.
(d) He had given me spectacles.

Q19. His sudden arrival surprised everyone.
(a) Everyone became surprised by his sudden arrival.
(b) Everybody is surprised by his sudden arrival.
(c) Everyone was surprised at his sudden arrival.
(d) Everyone were surprised at his sudden arrival.

Directions (20-22): In the following passage some of the words have been left out. Read the passage carefully and choose the correct answer for the given blank out of the four alternatives.

In a recent ___20___, the Madras High Court ruled that courts should not be influenced by ___21___ that children are likely to lie in cases of sexual abuse or that they are tutored by parents to make false statements in court. While these observations are welcome, the attitude of the defence lawyer in this case was seriously ___22_____.

Q20. In a recent ___20___, the Madras High Court ruled
(a) report   (b) promotion
(c) judgement   (d) notice

Q21. courts should not be influenced by ___21___
(a) misconceptions   (b) facts
(c) theories   (d) notice

Q22. While these observations are welcome, the attitude of the defence lawyer in this case was seriously ____22_____.
(a) supplied   (b) problematic
(c) minute   (d) edible

Direction (23-25): Read the passage carefully and choose the best answer to each question out of the four alternatives.

Facing a shortfall of 2,277 doctors, Uttar Pradesh's primary health centres (PHCs) have the worst patient-doctor ratio. With 942 of these centres working without electricity, regular water supply or all-weather motorable approach roads, the State's PHCs has the worst infrastructure in the country.
The States that have shown poor PHC ratings include Chhattisgarh, Odisha, Karnataka and Bihar, show the Rural Health Statistics, 2018, quoted by the Ministry.

The data note that while Uttar Pradesh requires 3,621 doctors for its PHCs, the backbone of health delivery, it has only 1,344 doctors, showing a deficit of 2,277. Though the sanctioned strength is 4,509, there are 3,165 vacancies.
The State also has the worst infrastructure with 213 centres without electricity supply, 270 without regular water supply and 459 without all-weather motorable approach roads. The States that have poor infrastructure based on the same parameters include Jammu and Kashmir, Chhattisgarh, Odisha, Assam and Uttarakhand.
In its reply, the Ministry noted that public health and hospitals being a State subject, all administrative and personnel matters, including recruitment of doctors at the PHCs, lie with the State governments. The shortage of doctors in public health facilities varies from State to State, depending on their policies and context.

Q23. Which state's primary health centres (PHCs) have the worst patient-doctor ratio?
(a) Chhattisgarh   (b) Uttar Pradesh
(c) Odisha   (d) Bihar

Q24. Which among the following parameters is not used to rate the States that have poor infrastructure?
(a) Regular water supply   (b) Electricity supply
(c) Medicine supply   (d) All-weather motorable roads

Q25. How many doctors do Uttar Pradesh's primary health centres have?
(a) 1344   (b) 3621
(c) 4509   (d) 2277

Q26. Where is headquarter of International Civil Aviation Council is located?
(a) Montreal   (b) Paris
(c) New York   (d) Washington D.C

Q27. How many players are there in Kabaddi team?
(a) 7   (b) 5
(c) 12   (d) 10

Q28. With which among the following sports the "C.K Nayudu Trophy" is associated?
(a) Basketball   (b) Cricket
(c) Hockey   (d) Badminton

Q29. Which among the following city of India hosted first Asian games held in India?
(a) Bengaluru   (b) Hyderabad
(c) Kolkata   (d) New Delhi

Q30. Under which Delhi sultanate ruler, the territorial expansion was maximum in India?
(a) Alauddin Khilji   (b) Balban
(c) Muhammad bin Tughlaq (d) Ghiyasuddin Tughlaq

Q31. Which among the following is the 25th state of India?
(a) Goa
(b) Mizoram
(c) Nagaland
(d) Arunachal Pradesh

Q32. Who was the first sultan of Delhi to issue coins in Delhi sultanate?
(a) Iltutmish
(b) Qutb al-Din Aibak
(c) Alauddin Khalji
(d) Firoz Shah Tughlaq

Q33. With which among the following sports the term "half nelson" is associated?
(a) Basketball
(b) Polo
(c) Wrestling
(d) Rugby

Q34. Which among the following is the capital of Brunei?
(a) Manila
(b) Hanoi
(c) Phnom Penh
(d) Bandar Seri Begawan

Q35. Which among the following gas is used in the soda?
(a) Carbon dioxide
(b) Nitrogen
(c) Hydrogen
(d) Sulphur dioxide

Q36. Who among the following is the author of "One Indian Girl"?
(a) Durjoy Dutta
(b) Chetan Bhagat
(c) Ravinder Singh
(d) Amit Nangia

Q37. Who among the following has built the Sanchi Stupa?
(a) Ashoka
(b) Rudradaman
(c) Amoghavarsha
(d) Krishnadevaraj

Q38. Who among the following presided Haripura session of Indian National Congress in 1938?
(a) Mahatma Gandhi
(b) Subhash Chandra Bose
(c) Jawaharlal Nehru
(d) Rajendra Prasad

Q39. Which among the following the launch date of "Apple Satellite"?
(a) 19 May 1981
(b) 19 June 1983
(c) 19 June 1981
(d) 19 May 1983

Q40. Which among the following is the southernmost point of Indian territory?
(a) Kanyakumari
(b) Indira Point
(c) Kalapani
(d) Port Blair

Q41. Which among the following country is not the part of G-7 countries?
(a) Canada
(b) Japan
(c) Germany
(d) Russia

Q42. Which among the following is also known as silent killer gas?
(a) Carbon Monoxide
(b) Sulphur Dioxide
(c) Nitrogen Dioxide
(d) Nitrous Oxide

Q43. With which among the following sports the name of "Yasin Merchant" is related?
(a) Wrestling
(b) Snooker
(c) Table Tennis
(d) Polo

Q44. Which latitude is also known as greater circle?
(a) Tropic of Cancer
(b) Tropic of Capricorn
(c) Equator
(d) Arctic Circle

Q45. Who was the first cricketer to take hat trick in the test cricket?
(a) Fred Spofforth
(b) Bapu Nandikarni
(c) Sir Ian Botham
(d) Wally Hammond

Q46. With which among the following dance the name "Sanjukta Panigrahi" is related?
(a) Kathak
(b) Kathakali
(c) Bharatnatyam
(d) Odissi

Q47. Which Gupta ruler was also known for playing veena?
(a) Chandragupta-II
(b) Samudragupta
(c) Kumaragupta
(d) Skandagupta

Q48. Which among the following rivers fall in the Arabian sea?
(a) Narmada
(b) Luni
(c) Mahanadi
(d) Godavari

Q49. Bombay High famous for _____
(a) mining
(b) petroleum
(c) uranium reserve
(d) gold

Q50. Who was the last ruler of Mughal dynasty?
(a) Farrukhsiyar
(b) Bahadur Shah Zafar
(c) Akbar II
(d) Shah Alam II

Q51. With which among the following games "Durand Cup" is associated?
(a) Football
(b) Cricket
(c) Lawn Tennis
(d) Badminton

Q52. Where is Indian Military Academy is located?
(a) Dehradun
(b) Shimla
(c) Hyderabad
(d) Gaya

Q53. Rangaswami Cup is associated with
(a) Wrestling
(b) Football
(c) Hockey
(d) Golf

Q54. Fundamental Rights of constitution is taken from which country?
(a) UK
(b) USA
(c) Australia
(d) USSR

Q55. "Joule" is the unit of _____.
(a) Power
(b) Voltage
(c) Energy
(d) Current

Q56. A can do a work in 10 days. A work for 4 days and B finished the remaining work in 9 days. Together they will finish the work in how many days.
(a) 12 (b) 6
(c) 8 (d) 10

Q57. P & Q completes the work in 10 days, Q & R in 15 days and R & S in 20 days. Find individual time taken by them.
(a) 12, 14, 72 (b) 120, 24, 100
(c) $120, \frac{120}{7}, 24$ (d) $15, \frac{130}{11}, 14$

Q58. Two trains start from Pune to Goa towards each other at speed of 50 km/hr and 40 km/hr respectively at same time. Find at what distance they will meet from Pune if the total distance between Pune and Goa is 600 km.
(a) $\frac{1000}{3}$ km (b) $\frac{800}{3}$ km
(c) $\frac{700}{3}$ km (d) 340 km

Q59. The length of Head of a fish is 12 cm. The length of Tail is equal to Head's length and $\frac{1}{3}rd$ of body length. Find the length of Body if length of Body= Length of Head + Length of Tail.
(a) 24cm (b) 36cm
(c) 25cm (d) 20cm

Q60. Two bikes ride in opposite directions around a circular track, starting at the same time from the same point. Biker A rides at a speed of 16 km/hr and the biker B rides at a speed of 14 km/hr. If the track has a diameter of 30 km, after how much time (in hours) will the two bikers meet?
(a) 3.14 hr (b) 12 hr
(c) 4.5 hr (d) 2.25 hr

Q61. A person spend 20% on food, 20% of the remaining on charity and 20% of the remaining on house and left with Rs 576. Find the original amount he had?
(a) Rs.1100 (b) Rs.1125
(c) Rs.1200 (d) Rs.1340

Q62. Two man rows boat at speed of 5 km/hr and 10 km/hr toward each other and at a distance of 20 km. Find how far apart in km all they 1 minute before they collide.
(a) 250m (b) 120m
(c) 240m (d) 380m

Q63. A Man buys 4 Pizza and 3 burger for Rs 4500 and 4 pizza and 6 burger for Rs 6000 find how much should he pay to buy 1 pizza and 2 burger?
(a) Rs.2300 (b) Rs.2200
(c) Rs.1750 (d) Rs.2350

Q64. A man buys two article of Rs 560. He sells one at 10% percent loss and other at 15 percent profit and had no profit no loss. Find cost price of each article
(a) 280, 280 (b) 330, 230
(c) 336, 224 (d) None of the above

Q65. Divide Rs 6000 into two parts so that simple interest on first part for 2 year at 6% p.a. may be equal the simple interest on the second part for 3 year at 8% p.a.
(a) 2500, 3500 (b) 4000, 2000
(c) 3000, 3000 (d) 2200, 3800

Q66. A cyclist starts at a speed of 8km/hr and second cyclist start after 2 hours at speed of 12 km/hr. Find how much distance will the second cyclist travel before overtaking the first cyclist?
(a) 48 km (b) 44 km
(c) 36 km (d) 51 km

Q67. There are total five numbers. The average of first four numbers is 26 and average of last four numbers is 25. Find the average of difference of first and last number.
(a) 4 (b) 6
(c) 2 (d) 2.5

Q68. India borrowed a loan from IMF at the rates of 6 per cent for first five year, 8 per cent for next five year and 10 per cent for beyond 5 years. If at the end of fifteen years the total amount paid was 144 billion U.S. dollars. Find the amount borrowed in billion U.S dollars?
(a) 48 (b) 58.75
(c) 75 (d) 65.45

Q69. The average of father and his twin son is 28. Find the age of father if the ratio of age of father and one son is 8:3.
(a) 36 years (b) 37.5 years
(c) 48 years (d) 40 years

Q70. A purchased a toy in Rs. 2400. He paid Rs. 1000 in cash and remaining in two equal installments of Rs. 840 each per month. Find out the rate of interest for each installment.
(a) 10% (b) 20%
(c) 25% (d) 12.5%

Q71. A man completes a certain journey by car. If he covered 30% of the distance at the speed of 20 km/hr. 60% of the distance at 40 km/hr and the remaining distance at 10 km/hr. His average speed is
(a) 35 (b) 22
(c) 30 (d) 25

Q72. There are X pens in the shop. If person A buys 20% and person B buys 15% from the remaining and C buys 10% of the remaining pens then he is left with 612 pens. Then how much pen was there initially?
(a) 1280
(b) 870
(c) 1000
(d) 930

Q73. If length of a rectangle is increased by 15% and breadth is decreased by 10%. What will be impact on perimeter?
(a) $\frac{20}{3}$
(b) 7.5
(c) 12
(d) 6

Q74. Seismology: Study of Earthquake :: Penology: ?
(a) Study of Pen
(b) Study of Punishment of Crime
(c) Study of Stationery
(d) Study of Exo-planets

Q75. Coal: Thermal Energy :: Water: ?
(a) Hygro Energy
(b) Water Energy
(c) Hematology
(d) Hydro Energy

Q76. One who collects coins: Numismatic :: One who collects postage stamps: ?
(a) Philatelist
(b) Bibliophile
(c) Canophilia
(d) Astrogeology

Q77. Energy: Joule:: Current: ?
(a) Ohm
(b) Watt
(c) Kelvin
(d) Ampere

Q78. Engineer: Machine:: Doctor: ?
(a) Diseases
(b) Hospital
(c) Patient
(d) Nurse

Q79. Find the odd-one out from
(a) Khora
(b) Khasi
(c) Garo
(d) Mizo

Q80. Which of the following does not belongs to North America?
(a) Mexico
(b) Cuba
(c) Morocco
(d) Honduras

Q81. Mallet: Polo :: Break out: ?
(a) Football
(b) Hockey
(c) Cricket
(d) Rugby

Q82. Vijay Hazare Trophy: Cricket :: Durand Cup: ?
(a) Football
(b) Hockey
(c) Kho-Kho
(d) Kabaddi

Q83. USA: Dollar :: Chile: ?
(a) Pound
(b) Euro
(c) Yuan
(d) Peso

Q84. France: Paris :: Ghana: ?
(a) Maputo
(b) Windhoek
(c) Accra
(d) Kampala

Q85. Find the odd-one out from
(a) Colonel
(b) Commodore
(c) Major
(d) Brigadier

Q86. MJS: PLT :: NKW: ?
(a) QMX
(b) QNK
(c) WQM
(d) QNM

**Q87.** Which of the following represents: Earth, Sun, Moon?

(a)
(b)
(c)
(d)
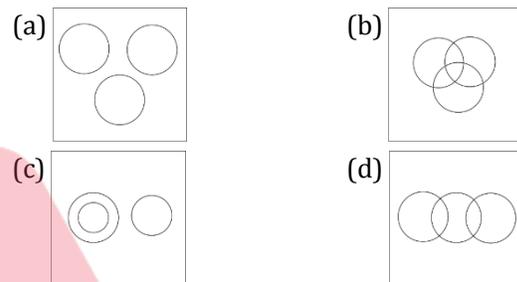
Q88. Which of the following represents: Men, Indian, Black hair?

(a)
(b)
(c)
(d)
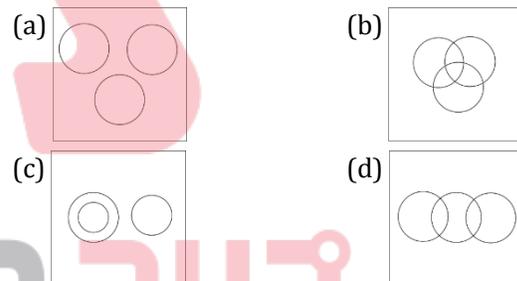
Q89. OPEN : NEOP :: TAPE: ?
(a) EPTA
(b) PETA
(c) EPAT
(d) PEAT

**Q90.** Which of the following represents: warm blooded animals, cold blooded animals, mammals?

(a)
(b)
(c)
(d)
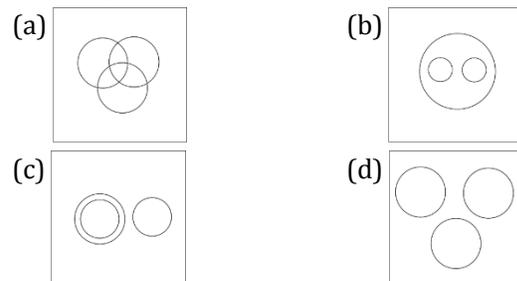
Q91. 6, 11, 21, 36, ?
(a) 51
(b) 41
(c) 56
(d) 46

Q92. Which of the option will complete the given figure?
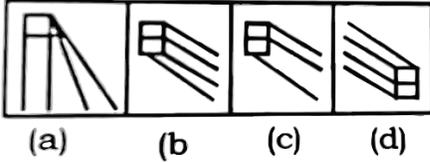
Answer Figures:

(a) a   (b) b

(c) c   (d) d

**Q93.** Which of the given option will complete the given figure?
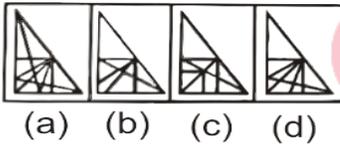
Answer Figures:

(a) a   (b) b

(c) c   (d) d

**Q94.** Which of the given option will complete the given figure?
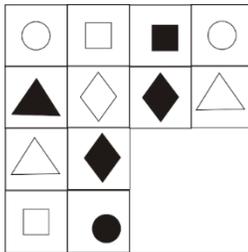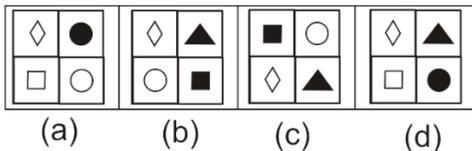
Answer Figures:

(a) a   (b) b

(c) c   (d) d

Q95. Which of the following option is embedded in the given figure?
Question Figure

Answer Figures:

(a)   (b)

(c)   (d)
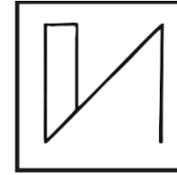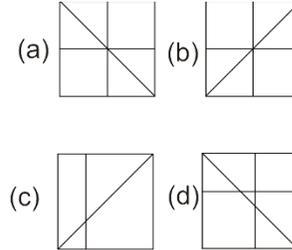
(a) a   (b) b
(c) c   (d) d

Q96. In which of the following option **Question Figure** is embedded?
Question Figure

Answer Figures:

(a)   (b)

(c)   (d)
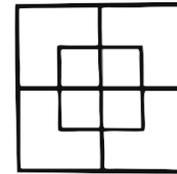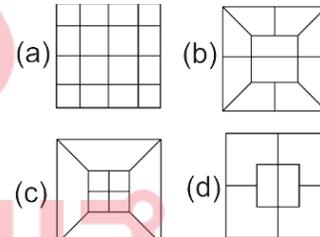
(a) a   (b) b
(c) c   (d) d

Q97. Which of the answer figure is exactly the mirror image of the given figure, when the mirror is held on the line AB?
**Question Figure:-**

Answer Figures:

(a)   (b)   (c)   (d)
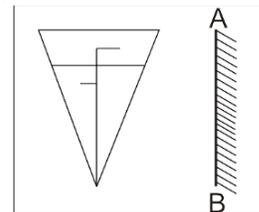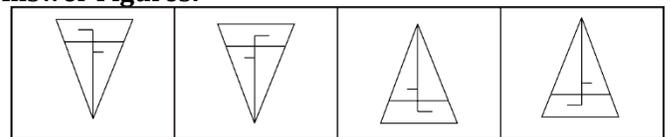
(a) a   (b) b
(c) c   (d) d

Q98. Which of the answer figures is exactly the mirror image of the **Question Figure**, when the mirror is held on the line AB?

Question Figure

Answer Figure

(a)   (b)   (c)   (d)
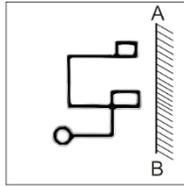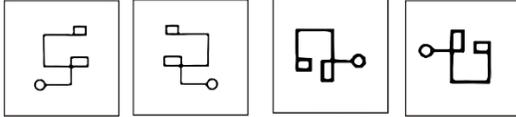
(a) a   (b) b
(c) c   (d) d

Q99 Which of the option will complete the given series?

Question Figure

Answer Figures:

(a)   (b)   (c)   (d)
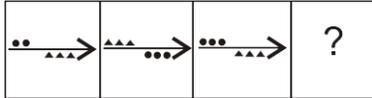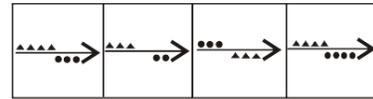
(a) a   (b) b
(c) c   (d) d

Q100. Which of the option will complete the given series?

Question Figure

Answer Figures:

(a)   (b)   (c)   (d)
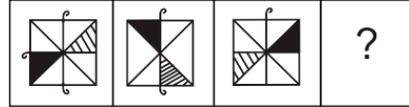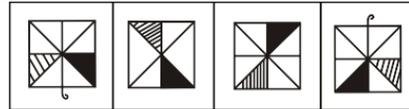
(a) a   (b) b
(c) c   (d) d

Solutions

S1. Ans.(c)

S2. Ans.(c)

S3. Ans.(a)

S4. Ans.(a)

S5. Ans.(a)

S6. Ans.(c)

S7. Ans.(d)

S8. Ans.(c)

S9. Ans.(d)

S10. Ans.(a)

S11. Ans.(a)

S12. Ans.(c)

S13. Ans.(b)

S14. Ans.(b)

S15. Ans.(b)

S16. Ans.(c)

S17. Ans.(d)

S18. Ans.(b)

S19. Ans.(c)

S20. Ans.(c)

S21. Ans.(a)

S22. Ans.(b)

S23. Ans.(b)

S24. Ans.(c)

S25. Ans.(a)

S26. Ans.(a)

S27. Ans.(c)

S28. Ans.(b)

S29. Ans.(d)

S30. Ans.(c)

S31. Ans.(a)

S32. Ans.(a)

S33. Ans.(c)

S34. Ans.(d)

S35. Ans.(a)

S36. Ans.(b)

S37. Ans.(a)

S38. Ans.(b)

S39. Ans.(c)

S40. Ans.(b)

S41. Ans.(d)

S42. Ans.(a)

S43. Ans.(b)

S44. Ans.(c)

S45. Ans.(a)

S46. Ans.(d)

S47. Ans.(b)

S48. Ans.(a)

S49. Ans.(b)

S50. Ans.(b)

S51. Ans.(a)

S52. Ans.(a)

S53. Ans.(c)

S54. Ans.(b)

S55. Ans.(c)

S56. Ans.(b)

S57. Ans.(c)

S58. Ans.(a)

S59. Ans.(b)

S60. Ans.(a)

S61. Ans.(b)

S62. Ans.(a)

S63. Ans.(c)

S64. Ans.(c)

S65. Ans.(b)

S66. Ans.(a)

S67. Ans.(c)

S68. Ans.(d)

S69. Ans.(c)

S70. Ans.(a)

S71. Ans.(d)

S72. Ans.(c)

S73. Ans.(a)

S74. Ans.(b)

S75. Ans.(d)

S76. Ans.(a)

S77. Ans.(d)

S78. Ans.(a)

S79. Ans.(a)

S80. Ans.(c)

S81. Ans.(b)

S82. Ans.(a)

S83. Ans.(d)

S84. Ans.(c)

S85. Ans.(b)

S86. Ans.(a)

S87. Ans.(a)

S88. Ans.(b)

S89. Ans.(a)

S90. Ans.(c)

S91. Ans.(c)

S92. Ans.(b)

S93. Ans.(d)

S94. Ans.(b)

S95. Ans.(c)

S96. Ans.(a)

S97. Ans.(a)

S98. Ans.(b)

S99. Ans.(a)

S100. Ans.(b)