

PRELIMINARY EXAMINATION FOR THE POSTS OF SECURITY ASSISTANT GRADE-II IN LOK SABHA AND RAJYA
SABHA SECRETARIATS AND SECURITY ASSISTANT GRADE-II (TECHNICAL) IN LOK SABHA SECRETARIAT

1st AUGUST, 2010

GENERAL KNOWLEDGE & CURRENT AFFAIRS; GENERAL ENGLISH AND MENTAL ABILITY

INSTRUCTIONS : (i) Write your Roll No. and other details in the appropriate columns of the OMR answer sheet. (ii) Mark the correct answer by fully darkening/blackening the circle. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose only one response for each question. Use blue or black Ball Pen only to mark your response. (iii) The answer once marked in Ball Pen cannot be changed. (iv) All questions carry equal marks.

Time : 2 hours

Marks : 200

PART - A : GENERAL KNOWLEDGE & CURRENT AFFAIRS

1. Who among the following is known as the Morning Star of Indian Renaissance?
(A) Ram Mohan Roy (B) Swami Vivekananda (C) Acharya Vinoba Bhave (D) Rabindra Nath Tagore
2. Which of the following organizations has its headquarters in Rome? (A) World Food Programme
(B) Food and Agriculture Organisation (C) International Labour Organisation (D) European Free Trade Association
3. Which of the following States does not have Legislative Council?
(A) Andhra Pradesh (B) Jammu & Kashmir (C) Kerala (D) Uttar Pradesh
4. Which of the following language was added to the Eighth Schedule to the Constitution of India by 21st Constitutional Amendment Act, 1967? (A) Sindhi (B) Punjabi (C) Malayalam (D) Tamil
5. Which of the following cities is famous for Tobacco Industry? (A) Jharia (B) Khetri (C) Ferozabad (D) Guntur
6. Which of the following cities is situated on the river Hudson? (A) Paris (B) New York (C) London (D) Montreal
7. Matatilla Multi purpose Project is located on (A) River Betwa (B) River Rihand (C) River Tapi (D) River Mahi
8. As per the 2009 Human Development Report, India's rank in Human Development Index is (A) 135th (B) 134th (C) 133rd (D) 130th
9. India's first special Economic Zone dedicated to the aerospace industries has been launched at
(A) Hyderabad (B) Hallargi (C) Shimla (D) Ahmedabad
10. The Criminal Procedure Code (Amendment) Act, 2008 came into effect in
(A) January, 2010 (B) January, 2009 (C) January, 2008 (D) None of these
11. The Copenhagen Accord related to climate change was adopted on
(A) December 15, 2009 (B) December 19, 2009 (C) December 10, 2009 (D) December 30, 2009
12. Who among the following is the recipient of Dada Saheb Phalke Award?
(A) Javed Akhtar (B) Akkineni Nageshwar Rao (C) Manoj Kumar (D) Subhash Ghai
13. 'Romancing with Life' is a book written by (A) Dilip Kumar (B) Debasheesh Dutta (C) Dev Anand (D) Hema Malini
14. Which of the following committee is associated with reforms in small industries?
(A) K.L. Rekhi Committee (B) R. Chelliah Committee (C) Abid Hussain Committee (D) None of these
15. Who is known as the father of Sanskrit Grammar? (A) Panini (B) Patanjali (C) Kalidas (D) None of these
16. The Provision of Contingency Fund of India has been made under
(A) Article 266 (B) Article 265 (C) Article 267 (D) Article 268
17. Which of the following words was not added to the Preamble of the Constitution of India by the 42nd Constitutional Amendment Act of 1976? (A) Sovereign (B) Socialist (C) Secular (D) Integrity
18. With which one of the following rivers is the Omkareshwar Project associated? (A) Chambal (B) Narmada (C) Tapi (D) Bhima
19. Which one of the following was a journal brought out by Abul Kalam Azad?
(A) Zamindar (B) Comrade (C) The Indian Sociologist (D) Al- Hilal
20. Who among the following was the advisor to the Drafting Committee of the Constituent Assembly?
(A) B.N. Rau (B) Dr. B.R. Ambedkar (C) Sachidananda Sinha (D) B. Shiva Rao
21. On planet Earth, there is no centrifugal force at the (A) Equator (B) Tropic of Cancer (C) Tropic of Capricorn (D) Poles
22. Who among the following was the author of Tarikh-i-Alai, which contains the details of the first few years of Sultan Alauddin Khilji?
(A) Ziauddin Barani (B) Shams Siraj Afif (C) Amir Khusrau (D) Yahiya bin Ahmad
23. What is the distance of running in a marathon race?
(A) 26 miles 385 yards (B) 26 miles 405 yards (C) 26 miles 180 yards (D) 26 miles
24. In which State was the Nalanda University located in India (A) Orissa (B) Jharkhand (C) Bihar (D) Bengal
25. Which State of India grows nearly 30% of world opium? (A) M.P. (B) U.P. (C) Gujarat (D) West Bengal
26. The first nuclear test was conducted in India in the year (A) 1972 (B) 1974 (C) 1975 (D) 1971
27. Which of the following is the largest Committee of the Parliament of India? (A) The Public Accounts Committee
(B) The Estimates Committee (C) The Committee on Public Undertakings (D) The Committee on Petitions
28. What is the Khetri in Rajasthan famous for? (A) Copper mines (B) Mica mines (C) Bauxite mines (D) Limestone mines
29. In which of the following States in India, the Chipko movement was started?
(A) Madhya Pradesh (B) Jharkhand (C) Uttarakhand (D) Rajasthan
30. Which of the following is a coral island? (A) Tasmania (B) Lakshadweep (C) Maldives (D) Rameswaram
31. The increase in the chlorofluorocarbon in the atmosphere is associated with
(A) Ozone depletion (B) sea level rise (C) aquatic life depletion (D) intense sonic pollution
32. Surface inversion of temperature is a phenomenon related to (A) Increase in temperature with increase
in elevation (B) Decrease in temperature with increasing elevation (C) Decrease in temperature with
decreasing elevation (D) Increase in temperature with decreasing elevation
33. The Nagarjunasagar dam is constructed on the river (A) Krishna (B) Chambal (C) Kosi (D) Sutlej
34. Which of the following elements is not present in stainless steel? (A) Iron (B) Tungsten (C) Chromium (D) Nickel
35. Why do birds not have respiratory trouble at the time of flying at high altitude? (A) Their lungs are very
large (B) they fly inactively (C) They have extra air sacs (D) They use less oxygen

36. After the chauri-chaura incident, Gandhiji suspended the (A) Civil disobedience Movement
(B) Khilafat Movement (C) Non-cooperation Movement (D) Quit India Movement
37. Anantapur district in Andhra Pradesh is famous for (A) Copper (B) Zinc (C) Mica (D) Gold
38. 'Charak' was the famous court physician of (A) Harsha (B) Chandra Gupta Maurya (C) Ashoka (D) Kanishka
39. The author of the book 'My Experiments with Truth' is (A) Maulana Abul Kalam Azad (B) Govind Vallabh Pant (C) M.K. Gandhi (D) Tara Ali Beg
40. Stagflation is a situation of (A) stagnation and deflation (B) stagnation and recession
(C) stagnation and inflation (D) stagnation and recovery
41. Depreciation is equal to (A) Gross national product – Net national product (B) Net national product – Gross national product
(C) Gross National Product – Personal income (D) Personal income – Personal taxes
42. The relationship between the value of money and the price level in an economy is (A) Direct (B) Inverse (C) Proportional (D) Stable
43. The imaginary lines joining places of same height at equal intervals are (A) Hachures (B) Contours (C) Spot-heights (D) Isomers
44. In which of the following years was the first Railway line between Bombay and Thane laid (A) 1853 (B) 1854 (C) 1856 (D) 1858
45. Which one of the following longitudes determines the Indian Standard Time? (A) 85.5° E (B) 86.5° E (C) 84.5° E (D) 82.5° E
46. From which one of the following did Kosovo declare its independence? (A) Bulgaria (B) Croatia (C) Macedonia (D) Serbia
47. In which one of the following places is the Shompen Tribe found? (A) Nilgiri Hills (B) Nicobar Islands (C) Spiti Valley (D) Lakshadweep Islands
48. In the 'Individual Satyagraha', Vinoba Bhave was chosen as the first Satyagrahi. Who was the second? (A) Dr. Rajendra Prasad (B) Pandit Jawaharlal Nehru (C) C. Rajagopalachari (D) Sardar Vallabhbhai Patel
49. In March 2010, the World Bank approved two education projects for India which are worth (A) \$ 95 million (B) \$ 98 million (C) \$ 1.05 million (D) \$ 1.08 million
50. The 2011 Cricket World Cup shall be co-hosted by (A) India, Sri Lanka, Pakistan and Bangladesh (B) India, Sri Lanka and Bangladesh
(C) Bangladesh, Pakistan and Sri Lanka (D) Bangladesh, Pakistan and India
51. English is the official language of which one of the following Indian States? (A) Nagaland (B) Tripura (C) Assam (D) Manipur
52. What is quorum required for convening the Lok Sabha? (A) 1/6 (B) 1/8 (C) 1/10 (D) 1/5
53. What is place of India in the World in Tea production? (A) First (B) Second (C) Third (D) Fourth
54. Which fruit crop has the largest area in India? (A) Banana (B) Citrus (C) Mango (D) Guava
55. Which crop is affected by Tobacco caterpillar? (A) Jute (B) Sugarcane (C) Lucerne (D) Sugarbeet
56. Which State of India is known as God's own country? (A) Rajasthan (B) Karnataka (C) Kerala (D) Gujarat
57. Opening and closing of stomata depends on (A) Sunlight (B) Water pressure (C) Transpiration (D) Temperature
58. A Minister who wants to resign from the Council of Ministers in India shall address his resignation letter to (A) Prime Minister (B) President (C) Speaker of the Lok Sabha (D) Party President
59. The National Congress at its Madras Session in 1927 decided to boycott the Simon Commission "at every stage and in every form". Who presided over this session? (A) Tej Bahadur Sapru (B) Hakim Ajmal Khan (C) Dr. M.A. Ansari (D) Sarojini Naidu
60. Which of the following is wrongly matched? (A) Kamran – Kabul and Kandhar (B) Askari – Sambhal (C) Hindal – Lahore (D) Humayun – Agra
61. Which of the following is not a member of G-20? (A) Brazil (B) China (C) Pakistan (D) Japan
62. Who is the Head of WTO? (A) M. Kamal Nath (B) Keith Rockwell (C) Dr. Incropera (D) Pascal Lamy
63. Green Initiative for the Future Transport (GIFT) is related with (A) Environment Impact Assessment (EIA) (B) Hydrocarbon Vision 2020 (C) H2 energy in motor vehicles (D) Biodiesel
64. Japanese space probe "Hayabusa" was targeted at (A) Saturn (B) Satellite of Saturn (C) An asteroid (D) None of these
65. What is Advance Technology Vessel (ATV)? (A) A platform for advance countries to come together (B) A commercial ship developed by USA (C) A nuclear powered submarine (D) A superfast speed boat
66. Which of the following publishes Indian Journal of Agriculture Sciences? (A) UPCAR (B) ICAR (C) CISR (D) NBRI
67. In which season is the highest yield of Maize obtained? (A) Zaid (B) Kharif (C) Rabi (D) All of these
68. Which of the following points refers to the economic level of output? (A) $MR < MC$ (B) $MR > MC$ (C) $MR = AC$ (D) $MR = MC$
69. A hen starts egg laying after how many weeks? (A) 15 weeks (B) 20 weeks (C) 18 weeks (D) 16 weeks
70. Who among the following is the author of the book "New India"? (A) Durgadas (B) R.C. Majumdar (C) Annie Besant (D) Madan Mohan Malaviya

PART - B : GENERAL ENGLISH

I. Choose the word opposite in meaning to the given word:

- | | | | | |
|---------------|-----------------|-----------------|---------------|-----------------|
| 71. Barren | (A) radiant | (B) fertile | (C) besiege | (D) reduce |
| 72. Fatigue | (A) vitality | (B) weariness | (C) solemn | (D) enchant |
| 73. Fable | (A) allegory | (B) fact | (C) peevish | (D) forge |
| 74. Garrulity | (A) reticence | (B) gaudy | (C) superb | (D) abettor |
| 75. Heinous | (A) odious | (B) atrocious | (C) excusable | (D) coax |
| 76. Malignant | (A) virulent | (B) prune | (C) swallow | (D) benign |
| 77. Obesity | (A) fatness | (B) leanness | (C) tallness | (D) aristocracy |
| 78. Mediocre | (A) contemplate | (B) average | (C) congeal | (D) outstanding |
| 79. Palatable | (A) delicious | (B) distasteful | (C) plain | (D) device |
| 80. Obscene | (A) affair | (B) lewd | (C) decent | (D) indecent |

II. Choose the word nearest in meaning to the given word:

- | | | | | |
|--------------|----------------|-----------------|------------------|---------------|
| 81. Verity | (A) change | (B) differ | (C) truth | (D) wholesome |
| 82. Jeopardy | (A) fun | (B) action | (C) merry | (D) danger |
| 83. Hoodwink | (A) cheat | (B) view | (C) decent | (D) award |
| 84. Luminous | (A) quiet | (B) unbound | (C) glowing | (D) pressed |
| 85. Spurious | (A) genuine | (B) outstanding | (C) crucial | (D) false |
| 86. Anomaly | (A) normalcy | (B) assert | (C) irregularity | (D) provoke |
| 87. Arid | (A) dry | (B) charge | (C) accuse | (D) apprehend |
| 88. Bloated | (A) privileged | (B) emaciated | (C) swollen | (D) rapture |
| 89. Astute | (A) push | (B) shrewd | (C) cognizant | (D) hostile |
| 90. Zenith | (A) nadir | (B) minimum | (C) peak | (D) plant |

III. Out of the four alternatives given below, choose the one which can be substituted for the given words:

- | | | | | |
|-------------------------------------------------------------------|----------------|----------------|--------------------|-----------------|
| 91. A murder of one's own father | (A) patricide | (B) suicide | (C) genocide | (D) homicide |
| 92. That which is contrary to law | (A) legal | (B) legacy | (C) illegal | (D) imminent |
| 93. The practice of having more than one husband at the same time | (A) polygamy | (B) monogamy | (C) polyandry | (D) palisade |
| 94. A man whose wife is dead | (A) widow | (B) bachelor | (C) scholar | (D) widower |
| 95. A morbid fear of closed spaces | (A) xenophobia | (B) dipsomania | (C) claustrophobia | (D) kleptomania |

IV. Each question consists of an idiom followed by four explanations. Choose the answer which is most suitable.

- | | | | | |
|------------------------------------------|----------------------------|---------------------------|---------------------------------------|-------------------------------|
| 96. Head and shoulders above | (A) far inferior | (B) an intelligent person | (C) a deaf person | (D) far superior to others |
| 97. Hobson's choice | (A) a choice for the rich | (B) very good choice | (C) a choice that is really no choice | (D) an excuse |
| 98. Fall through | (A) to begin | (B) to rise | (C) collapse | (D) chatter |
| 99. Kick the bucket | (A) to drop the bucket | (B) to breathe one's last | (C) to destroy a thing | (D) to reveal a thing |
| 100. Dark horse | (A) unexpected winner | (B) natives of Africa | (C) to be indifferent | (D) decide for good reason |
| 101. Out of the frying pan into the fire | (A) over boiled | (B) heated controversy | (C) from bad to worse | (D) secretly |
| 102. Salad days | (A) leafy vegetables | (B) youth | (C) advocate or defend | (D) safe |
| 103. Take the cake | (A) to carry off the prize | (B) to eat | (C) to defeat | (D) to steal |
| 104. A labour of love | (A) a tragic end | (B) not fruitful | (C) a funny thing | (D) work done without payment |
| 105. To strike when the iron is hot | (A) to make implements | (B) to make weapons | (C) to abuse | (D) to act promptly |

V. Fill in the blanks with appropriate prepositions:

- | | | | | |
|------------------------------------------------------------------------------------------------|--------------------------------|-----------|----------|-------------|
| 106. He does not think _____ his future at all. | (A) for | (B) upon | (C) on | (D) of |
| 107. Survival of civil polity without fair administration of justice cannot be imagined _____. | (A) no preposition is required | (B) of | (C) at | (D) by |
| 108. Good triumphs _____ evil in the long run. | (A) on | (B) over | (C) with | (D) against |
| 109. Please send _____ the doctor at once. | (A) on | (B) by | (C) for | (D) with |
| 110. She always jumps _____ conclusions. | (A) with | (B) to | (C) on | (D) in |
| 111. The land was divided _____ the two sisters. | (A) between | (B) among | (C) for | (D) with |
| 112. She jumped _____ the river. | (A) in | (B) into | (C) on | (D) to |
| 113. The child was run _____ by the speeding truck. | (A) over | (B) under | (C) in | (D) into |
| 114. My father met _____ an accident last month. | (A) over | (B) with | (C) on | (D) in |
| 115. Israelis are hostile _____ Palestinians. | (A) with | (B) of | (C) for | (D) to |

VI. Fill in the blanks with the most appropriate form of verb:

- | | | | | |
|---------------------------------------------------|---------------|---------------|---------------|----------------|
| 116. Ram _____ ill for three months. | (A) is | (B) has been | (C) are | (D) is feeling |
| 117. Five miles _____ not a long distance. | (A) is | (B) are | (C) will be | (D) have |
| 118. She opened the door so that she _____ out. | (A) could go | (B) can go | (C) should go | (D) would go |
| 119. He _____ that he cannot come tomorrow. | (A) will say | (B) would say | (C) has said | (D) can say |
| 120. Whenever you _____ you can stay in my house. | (A) will come | (B) have come | (C) come | (D) came |

VII. Choose the word or phrase which best completes each sentence:

- | | | | | |
|-----------------------------------------------------------|--------------|--------------|---------------|-------------------|
| 121. The fate of the accused hangs in the _____. | (A) head | (B) rope | (C) balance | (D) ceiling |
| 122. The old lady is hard of _____. | (A) hearing | (B) smelling | (C) seeing | (D) walking |
| 123. Hope for the best and _____ for the worst. | (A) make | (B) prepare | (C) wait | (D) fight |
| 124. He is not in the _____ books of his boss. | (A) clean | (B) bad | (C) good | (D) gray |
| 125. The police left no _____ unturned to solve the case. | (A) leaf | (B) road | (C) stone | (D) tree |
| 126. She hit the nail right on the _____. | (A) hair | (B) head | (C) leg | (D) face |
| 127. Fools rush in where angles _____ to tread. | (A) love | (B) like | (C) hate | (D) fear |
| 128. She succeeded in the _____ run. | (A) long | (B) longer | (C) longest | (D) lengthy |
| 129. I did it _____ my will. | (A) contrary | (B) beyond | (C) according | (D) against |
| 130. Where there is life _____ is hope. | (A) where | (B) here | (C) there | (D) none of these |

VIII. Each question has four parts, one of which has an error. Find out the part which contains the error.

131. (A) The thief was (B) caught red handed (C) by the police (D) in crowded market.
 132. (A) Our teacher told (B) that the (C) earth moved (D) round the sun.
 133. (A) My boss (B) asked me (C) why am I late (D) to office.
 134. (A) If it (B) will rain (C) I will not (D) go to college.
 135. (A) Being a sunny day (B) we did (C) not go out (D) in the afternoon.
 136. (A) you shall (B) definitely win (C) the election (D) of the college president.
 137. (A) I saw (B) an one eyed beggar (C) in the street (D) last week.
 138. (A) Until you do not (B) speak the truth (C) you will be (D) dismissed.
 139. (A) As he is (B) generous (C) so he (D) spends lavishly.
 140. (A) When the bell rang (B) then we (C) ran to the (D) playground.

PART - C: MENTAL ABILITY

Direction (Qn. Nos. 141 to 150): In each of the following questions, find out the alternative which will replace the question mark.

141. Poles : Magnet :: ? : Battery (A) Cells (B) Power (C) Terminals (D) energy
 142. Architect : Building :: Sculpture : ? (A) Museum (B) Stone (C) Hammer (D) Statue
 143. Tuberculosis : Lung :: ? : Brain (A) Malaria (B) AIDS (C) Meningitis (D) Hepatitis
 144. Conference : Chairman :: Newspaper : ? (A) Reporter (B) Distributer (C) Printer (D) Editor
 145. Ornithologist : Bird :: Archaeologist : ? (A) Islands (B) Mediators (C) Archaeology (D) Aquatic
 146. ACFJ : ZXUQ :: EGIN : ? (A) VUSQ (B) UTRP (C) VRPM (D) VTRM
 147. BLOCKED : YOLXPVW :: ? : OZFMXS (A) DEBATE (B) RESULT (C) LABOUR (D) LAUNCH
 148. CFDH : HDFC :: ? : PNRV (A) VRNP (B) KULN (C) NRVP (D) VRPN
 149. AEFJ : KOPT :: ? : QUVZ (A) GKLP (B) GLKP (C) KLQM (D) HKLP
 150. QIOK : MMKO :: YAWC : ? (A) VUES (B) UESG (C) USGA (D) None of these

Directions (Qn. Nos. 151 to 154): An academic staff college has to conduct a refresher course for the teachers of seven different subjects – Science, Psychology, Education, Engineering, Sociology, Philosophy and Economics from 4th June to 11th June:

(i) Course should start with Psychology and there should be a gap of 2 days between Psychology and Sociology. (ii) 5th June, being Sunday, should be a holiday. (iii) Science should be on the previous day of Engineering. (iv) Course should end with Education. (v) Philosophy should be immediately after the holiday. (vi) There should be a gap of one day between Economics and Engineering.

151. Which subject will be on Tuesday? (A) Sociology (B) Economics (C) Education (D) Engineering
 152. Which subject precedes Education? (A) Economics (B) Engineering (C) Philosophy (D) Psychology
 153. How many days gap is there between Science and Philosophy? (A) 2 (B) 3 (C) 4 (D) 6
 154. Science follows which subject (A) Engineering (B) Psychology (C) Philosophy (D) Economics
 155. Amit and Sumit are twins. Richa is younger than Sumit. Richa is younger than Jyoti but elder than Saurabh. Sumit is younger than Jyoti. Who is the oldest of all? (A) Arnit (B) Jyoti (C) Richa (D) Saurabh
 156. X knows more than A. Y knows as much as B. Z knows less than C. A knows more than B. Who is the most knowledgeable person among them. (A) X (B) Y (C) A (D) C
 157. P is heavier than T but lighter than M. N is lighter than S and T. Q is heavier than D but lighter than N. S is not heavier than M. Who is the heaviest? (A) S (B) M (C) T (D) Q
 158. P, Q, R and T appeared in an examination. Marks obtained by P were less than that obtained by Q. R's marks were more than those of Q but not more than the marks obtained by T. Who has got the second highest marks? (A) P (B) T (C) Q or R (D) R
 159. Pune is larger than Jhansi. Sitapur is larger than Chittore. Rajgarh is not as large as Jhansi but smaller than Sitapur. Which is the smallest city among these? (A) Pune (B) Jhansi (C) Sitapur (D) Chittore
 160. In a row of boys, if A is 10th from left and B who is 9th from the right, interchange their positions, A becomes 15th from the left. How many boys are there in the row? (A) 22 (B) 23 (C) 24 (D) 25

Directions (Qn. Nos. 161 to 165) : Each of these questions is based on the following information:

- (i) Six flats on a floor in two rows facing North and South are allotted to P, Q, R, S, T and U.
 (ii) Q gets a North facing flat and is not next to S. (iii) S and U get diagonally opposite flats.
 (iv) R next to U, get a South facing flat and T gets a North facing flat.

161. Which of the following combinations get South facing flats? (A) QTS (B) UPT (C) URP (D) SUR
 162. If the flats of P and T are interchanged then whose flat will be next to that of U? (A) P (B) Q (C) R (D) T
 163. Whose flat is between Q and S? (A) T (B) U (C) R (D) P
 164. The flats of which of the other pair than SU, are diagonally opposite to each other? (A) QP (B) QR (C) PT (D) TS
 165. To arrive at the answers to the above questions (161 to 164) which of the four statements given in the beginning can be dispensed with (A) only (i) (B) only (ii) (C) only (iii) (D) none

Direction (Qn. Nos. 166 to 170): If the code of MORTAN is 123456 and the code of CAMEL is 75190, what will be the code of the word given in each of the following questions?

166. MALON (A) 15027 (B) 15026 (C) 15028 (D) 15029
 167. NORMAL (A) 623157 (B) 623158 (C) 623159 (D) 623150
 168. ROMAN (A) 32159 (B) 32158 (C) 32157 (D) 32156
 169. LEMON (A) 65126 (B) 65216 (C) 05216 (D) 09126
 170. MOTOR (A) 12423 (B) 12425 (C) 12426 (D) 12427

Direction (Qn. Nos. 171 to 175): If in a certain code 793041 is written as MARTIN and 8265 as POSE, then how will the number given in the following questions be coded?

- | | | | | |
|------------|-----------|-----------|-----------|-----------|
| 171. 80451 | (A) PTIEM | (B) PTIEN | (C) PTIER | (D) PTIES |
| 172. 24105 | (A) OINTS | (B) OINTE | (C) OINTM | (D) OINTR |
| 173. 76140 | (A) MSNIR | (B) MSNIT | (C) MSINT | (D) MISNT |
| 174. 89903 | (A) PAATR | (B) PAART | (C) PAATS | (D) PAAST |
| 175. 4328 | (A) IROP | (B) IRPO | (C) IROS | (D) RIOP |

176. How many pairs of letters are there in the word SEQUENTIAL which have as many letters between them in the word as in the English alphabet? (A) four (B) one (C) two (D) three
177. How many pairs of letters are there in the word NURSING which have as many letters between them in the word as in the English alphabet? (A) two (B) three (C) four (D) five

Directions (Qn. Nos. 178 to 182): Answer the questions on the basis of the data given below. Gautam has to cross seven lanes to reach his school. He finds that yellow lane is between his house and Cama lane. Apple street is third from his school. More lane is next to Park Lane. He has to cross Ash lane last. Cama Lane is between Yellow lane and More Lane. Rao street is sixth from his house.

178. How many lanes he crosses between Cama Lane and Rao street? (A) 1 (B) 2 (C) 3 (D) 4
179. After crossing Park lane, how many lanes will Gautam cross on his way to school? (A) 4 (B) 3 (C) 2 (D) 1
180. After crossing Yellow lane, how many lanes will Gautam cross on his way to home? (A) none (B) 1 (C) 2 (D) 3
181. Which lane is between Park Lane and Rao street (A) Yellow lane (B) Cama lane (C) Apple street (D) More lane
182. If from Gautam's house, each lane/street and school are equispaced and he takes 2 minutes to cross each lane, how long he will take to reach his school from his house.
(A) 18 minutes (B) 17 minutes (C) 16 minutes (D) 12 minutes

Directions (Qn. Nos. 183 to 192): In each of the following questions, two statements I and II are given followed by an inference drawn from the statements. Mark your answer as: (A) If the inference is correct (B) If the inference is incorrect (C) If the inference may be correct or incorrect (D) If the inference may be irrelevant

183. Statements – I. Hydrogen is a gas II. This cylinder contains gas
Inference – This cylinder contains Hydrogen
184. Statements – I. The water level of the river Jhelum is rising II. Some people live near the river Jhelum
Inference – There is a risk to those people to lose life and property
185. Statements- I. All the ladies in Meghalaya are intelligent II. Korsi is one of the lady who belongs to Shillong
Inference – Korsi is a beautiful lady
186. Statements – I. Proteins are helpful in the formation of body II. Growing children are in need of good nutrition
Inference – Proteins are necessary for the growing children
187. Statements – I. All husbands are unreliable II. Some persons are not unreliable
Inference – Some persons are not husband
188. Statements- I. L is the brother of K II. K is a friend of P
Inference – L is the friend of P
189. Statements – I. Some people are weak in Mathematics II. All those who are weak in Mathematics are athletes
Inference – Some athletes are weak in Mathematics
190. Statements- I. A triangle has three angles II. A square has four angles
Inference – A polygon has many angles
191. Statements – I. Butter is useful for human body II. Some people develop cardiac problem due to the consumption of butter
Inference – Even children should avoid eating butter
192. Statements- I. Americans are adventurous II. All astronauts are adventurous
Inference – Some Americans are astronauts

Direction (Qn. Nos. 193 to 195): Choose the most appropriate word out of given four alternatives.

193. Pathology, cardiology, radiology, ophthalmology (A) biology (B) Hematology (C) Zoology (D) Geology
194. Basic, Pascal, Fortran (A) Cobol (B) Newton (C) Calculator (D) Cyclotron
195. Lungs, Liver, Kidney, Heart (A) Neck (B) Testis (C) Intestines (D) Head

Directions: Each of the following questions from 196 to 200 is based on the following information:

(i) A cuboid shaped wooden block has 6 cm length, 4 cm breadth and 1 cm height. (ii) Two faces measuring 4 cm x 1 cm are coloured in black. (iii) Two faces measuring 6 cm x 1 cm are coloured in red. (iv) Two faces measuring 6 cm x 4 cm are coloured in green. (v) The block is divided into 6 equals cubes of side 1 cm (from 6 cm side), 4 equal cubes of side 1 cm (from 4 cm side).

196. How many cubes having red, green and black colours on at least one side of the cube will be formed
(A) 16 (B) 4 (C) 10 (D) 8
197. How many small cubes will be formed? (A) 6 (B) 12 (C) 22 (D) 24
198. How many cubes will remain if the cubes having black and green colour are removed? (A) 4 (B) 8 (C) 12 (D) 16
199. How many cubes will have green colour on two sides and rest of the four sides having no colour?
(A) 12 (B) 10 (C) 8 (D) 4
200. How many cubes will have 4 coloured sides and 2 non-coloured sides? (A) 8 (B) 4 (C) 16 (D) 10

