

Question Paper No.

Entrance Test 2014
(Group - C)

Roll No.

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Maximum Marks - 150
Time Limit - 90 Minutes

Important Instructions:

1. This question booklet contains total 150 questions. Answer all the questions.
2. Each question has four options (a), (b), (c) and (d), out of which one is correct.
3. The candidate is required to darken completely correct option in the OMR answer sheet supplied separately.
4. Answer will get cancelled if it is not answered or two or more answers are given.
5. There will be no negative marking.
6. Rough work may be done in this question booklet itself.
7. Submit the entrance test paper along with OMR answer sheet to the invigilator otherwise the candidate will be considered absent.
8. Maintain discipline during the examination.

Signature of the Invigilator

Signature of the Candidate

Entrance 2014 (Group C)

1. The difference in the duration of day and night increases as one move from?
(a) East and west of the prime meridian
(b) West to east
(c) Poles to equator
(d) Equator to poles

2. The Rowlatt Act was passed in which year?
(a) 1931
(b) 1919
(c) 1920
(d) 1942

3. Which vitamin is provided by sunlight to the body?
(a) Vitamin C
(b) Vitamin B
(c) Vitamin A
(d) Vitamin D

4. Treads on the shoe soles are made to increase
(a) Durability
(b) strength
(c) Friction
(d) elasticity

5. The first effective vaccine against polio was prepared by which among the following?
(a) James Simpson
(b) John Heynsham Gibbon
(c) Jonas E. Salk
(d) Robert Edwards

6. *Prem Vatika*, poems on the life of Krishna, was composed by which of the following?
(a) Bihari
(b) Kabir
(c) Raskhan
(d) Surdas

7. An artificial satellite in a circular orbit about the earth, wanting to reduce the radius of its orbit, would fire a rocket
- (a) In a backward direction
 - (b) Toward the earth
 - (c) At right angles to the plane of orbit
 - (d) In a forward direction
8. On which of the following longitudes is the Standard Time determined?
- (a) 68.5E
 - (b) 86.5W
 - (c) 82.5E
 - (d) 82.5W
9. Nanotechnology is the science of.....
- (a) Working with very minute entities and materials
 - (b) Working at the sub-atomic levels
 - (c) Working with genes
 - (d) None of these
10. Who won Kabaddi World Cup 2013?
- (a) India
 - (b) Nepal
 - (c) Srilanka
 - (d) Pakistan
11. Who won the International Cricket Council (ICC) People's Choice Award for the year 2013?
- (a) Mahendra Singh Dhoni
 - (b) Kumar Sangarkara
 - (c) Michael Clarke
 - (d) Virat Kohli

12. The Vice President of India Mr. Hamid Ansari released a book Ambedkar Awakening India's Social Conscience on 26 February 2014. The book was authored by.....
- (a) Dr. Narendra Jadhav (b) Sarath Mitra
(c) Rahul Agarwal (d) Mamatha Sharma
13. Salman Khan launched a music album entitled Raunaq composed by AR Rahman and written by.....
- (a) Kapil Sibbal (b) Dr. Narendra Jadhav
(c) Gulam Nabi Azad (d) Mamata Benarjee
14. Which community was added recently to the OBC reservation category in 9 northern states by Union Cabinet?
- (a) Bhatiyara (b) Dhunia
(c) Molla (d) Jat
15. Khajuraho Dance Festival, inaugurated at the Khajuraho on 20 February 2014 in the state of
- (a) Karnataka (b) Madhya Pradesh
(c) West Bengal (d) Uttar Pradesh
16. Which is the first State in India to achieve 100 percent sanitation coverage under the Nirmal Bharat Abhiyaan Scheme on 9 February 2014?
- (a) Sikkim (b) Madhya Pradesh
(c) West Bengal (d) Kerala

17. First Paperless public Library of the World BiblioTech was opened in
- (a) Germany (b) Canada
(c) Australia (d) USA
18. Akhilesh Yadav, Uttar Pradesh Chief Minister laid foundation for the ISKCON project of building a 70-storey temple in.....
- (a) Vrindavan (b) Kasi
(c) Madurai (d) Kolkata
19. Who was the Grand Old Man of Indian Literature, died on 20th March 2014?
- (a) Suketu Mehta (b) Lakshmi Raj Sharma
(c) Khushwant Singh (d) Mukul Kesavan
20. Who wrote the book "Rationalized Roman for Kashmiri" which was released on March 23rd that gave explanation on how to write the language on a computer using Microsoft word or type writer without the need for any special fonts?
- (a) Atul Chitnis (b) Subroto Bagchi
(c) M. Anto Peter (d) Dr. R. L. Bhatt
21. Which one of the following scripts of ancient India was written from right to left?
- (a) Brahmi (b) Nandnagari
(c) Sharada (d) Kharoshti

22. Who is the first Indian woman to win an Asian Games gold in 400m run?
(a) M.L.Valsamma (b) P.T.Usha
(c) Kamaljit Sandhu (d) K.Malleshwari
23. Which city is known as 'Electronic City of India'?
(a) Mumbai (b) Hyderabad
(c) Guragon (d) Bangalore
24. Badrinath is situated on the bank of river.....
(a) Ganga (b) Yamuna
(c) Alaknanda (d) Saraswathi
25. The first Indian Satellite launched from Soviet Cosmodrome is.....
(a) Bhaskara (b) Bharat
(c) Rohini (d) Aryabhata
26. Dandia is a popular dance of.....
(a) Punjab (b) Gujarat
(c) Tamil Nadu (d) Maharashtra
27. Which scientist discovered the radioactive element radium?
(a) Isaac Newton (b) Albert Einstein
(c) Benjamin Franklin (d) Marie Curie

28. Which of the following is an output device?
(a) Keyboard (b) VDU
(c) Both (a) & (b) (d) NIC
29. Such types of printers, in which the printing head contacts with the paper in printing process, are called
- (a) Impact Printer (b) Non-Impact Printer
(c) Laser Printer (d) None of these
30. A Byte constitutes of
(a) 9 bits (b) 8 bits
(c) 7 bits (d) 4 bits
31. Which of the following is a logic gate?
(a) AND (b) OR
(c) CPU (d) Both (a) & (b)
32. The base of hexadecimal number is
(a) 2 (b) 16 (c) 8 (d) 10
33. GUI stands for
(a) Graphical User Interface
(b) Graph Use Interface
(c) Graphical Universal Interface
(d) None of these
34. Any device that performs signal conversion is.....
(a) Concentrator (b) Modem
(c) Router (d) Plotter

35. The Unit perform all computation in a computer system is called
- (a) ALU (b) CPU
(c) Input-Output device (d) All of the above
36. Computer memory consists of
- (a) RAM (b) ROM
(c) PROM (d) All of the above
37. Which of the following is not currently a topic in computer science?
- (a) Speech recognition (b) Artificial intelligence
(c) Thermodynamics (d) Multiprocessing
38. The working principles of today's computers were provided by an English mathematician.....
- (a) Charles Babbage (b) Dr. Hollerith
(c) Donald Reach (d) Ken Reider
39. A new technology which provides the ability to create an artificial world and have people interact with it is called.....
- (a) Televirtuality (b) Virtual reality
(c) Alternative reality (c) 3-D reality
40. The area of computer science which is concerned with the display of pictures is
- (a) Networks (b) Graphics
(c) Designing (d) Architecture

41. Which is a valid Internet address?
(a) http://www.loksewaexam.com
(b) www.my site.com
(c) http//loksewaexam.com
(d) ramsharma@yahoo.com
42. To invite your friend online to meet at some place in the evening, you need:
(a) A keyword (b) E-mail
(c) A search engine (d) A scanner
43. Every web document has a unique address. What is it called?
(a) Universal Resource Locator (b) IP Address
(c) Domain (d) Hyperlink
44. The fundamental purpose of BIOS is
(a) Initialize and test system hardware components
(b) Testing the system performance
(c) Updating the system performance
(d) Saving the operating systems life
45.is computer software designed to translate image of type written text.
(a) Optical character recognition
(b) Ms Office
(c) Adobe
(d) Photoshop
46. Megabytes is approximately equal to
(a) 8 bytes (b) 2 million bytes
(c) 8 million bytes (d) 1 million bytes

47. Mosaic is a.....
(a) Program language (b) Operating system
(c) Web browser (d) None of these.
48. Ethernet is family of protocol used in.....
(a) LAN (b) MAN
(c) WAN (d) BIOS
49. Password is mostly.....
(a) Dynamic (b) Case insensitive
(c) Static (d) Case sensitive
50.allow you to communicate with other computers in the world.
(a) Cable (b) Internet
(c) Software (d) Modem
51. A blog is short name for
(a) a web diary (b) a web search program
(c) a website (d) a web browser
52. A term associated with the comparison of processing speeds of different computer system is
(a) EFTS (b) MPG
(c) MIPS (d) CFPS
53. Convert $(1001011001)_2$ to octal.
(a) 1131 (b) 1231
(c) 1311 (d) 3111

54. The value of x when $(25)_x = (85)_{10}$ is
 (a) 2 (b) 8
 (c) 40 (d) 20
55.Program can harmful to computer operation.
 (a) C-language (b) Fortran
 (c) Virus (d) None

Direction (56-59) : In the following questions choose correct preposition.

56. A steady mind triumphs..... difficulties.
 (a) in (b) over
 (c) with (d) at
57. My cousin has invested a lot of money farming.
 (a) for (b) on
 (c) in (d) into
58. There is no exception this rule.
 (a) in (b) to
 (c) about (d) for
59. Sunil started collecting postal stamps-----the year he was studying in the fifth standard.
 (a) with (b) Since (c) From (d) In

Direction (60-61): In each of the following questions selects an appropriate substitute from the alternatives given below each question.

60. A handwriting which can be read easily.
(a) bold (b) readable
(c) legible (d) likable
61. A work for which no salary is paid.
(a) free (b) honorary
(c) amateur (d) stoicism

Direction (62-63): In the question the first and the last part of the sentence are numbered 1 and 6. The rest of the sentence is split into four parts, each marked A, B, C and D. These four parts are not given in their proper order. Read the sentence and find out which of the four combination of A, B, C and D is correct.

- 62.
1. When all the members were seated
 - A. during the previous year
 - B. the managing director came to the dais
 - c. and read out the report
 - D. detailing the activities of the organization
 6. and plans for the coming year.
- (a) A B C D (b) D A B C D
(c) C D A B (d) B C D A

63.

- 1: Calcutta unlike other cities kept its trams.
A: As a result there horrendous congestion.
B: It was going to be the first in South Asia.
C: They run down the centre of the road
D: To ease in the city decided to build an underground railway line.
6: The foundation stone was laid in 1972.

The Proper sequence should be:

- (a) ACDB (b) ADBC
(c) SDCA (d) CADB

Direction (64-66) : Which of phrases given below in each sentence should replace the phrase printed in **bold** type to make the sentence grammatically correct?

64. The man **to who I sold** my house was a cheat.
(a) to whom I sell (b) to who I sell
(c) who was sold to (d) to whom I sold
65. Technology **must use to feed** the forces of change.
(a) must be used to feed
(b) must have been using to feed
(c) must use having fed
(d) must be using to feed

66. The drama had many scenes which were so humorous that it was **hardly possible to keep** a straight face.
- (a) hardly possible for keeping
 - (b) hardly impossible for keeping
 - (c) hardly impossible for keep
 - (d) No correction required

Direction (67-69) : Each question consist of two words which have a certain relationship to each other followed by four pairs of related words, Select the pair which has the same relationship.

67. LIGHT: BLIND
- (a) speech: dumb
 - (b) language : deaf
 - (c) tongue: sound
 - (d) voice : vibration
68. TEN: DECIMAL
- (a) seven : septet
 - (b) four : quartet
 - (c) two : binary
 - (d) five : quince
69. AFTER: BEFORE
- (a) first: second
 - (b) present : past
 - (c) Contemporary: historic
 - (d) successor: predecessor

Direction (70-71): In questions given below out of four alternatives, choose the one which can be substituted for the given word/sentence.

70. A paper written by hand
(a) Handicraft (b) Manuscript
(c) Handiwork (d) Thesis
71. The Part of government which is concerned with making of rules
(a) Court (b) Tribunal
(c) Bar (d) Legislature

Direction (72-73): Choose the synonyms of given words from set of the words.

72. EARTHY:
(a) Surly (b) Taciturn
(c) Valuable (d) Refined
73. EXTRAVAGANT:
(a) Pompous (b) Reckless
(c) Unreasonable (d) Wasteful

Direction (74-75): Choose the correct form of the adjective from the given choices.

74. She is the..... of the two sisters.
(a) Tall (b) taller
(c) Tallest (d) tallish

75. staff members attended the meeting.
- (a) A few (b) Few
(c) Any (d) the few

Direction(76-79): Study the given information carefully and answer the question given below :

- a. A,B,C,D,E. and F are six students in a class
- b. B and C are shorter than F but heavier than A.
- c. D is heavier than B & C, but taller than C.
- d. E is shorter than D but taller than F.
- e. F is heavier than D.
- f. A is shorter than E but taller F.

76. Who is third from the top when they are arranged in descending order of height?

- (a) A (b) B (c) C (d) E

77. Who among them is the tallest?

- (a) A (b) B (c) C (d) D

78. Which of the following groups of friends is shorter than A?

- (a) B, C only (b) D, B, only
(c) E, B, C, only (d) F, B, C only

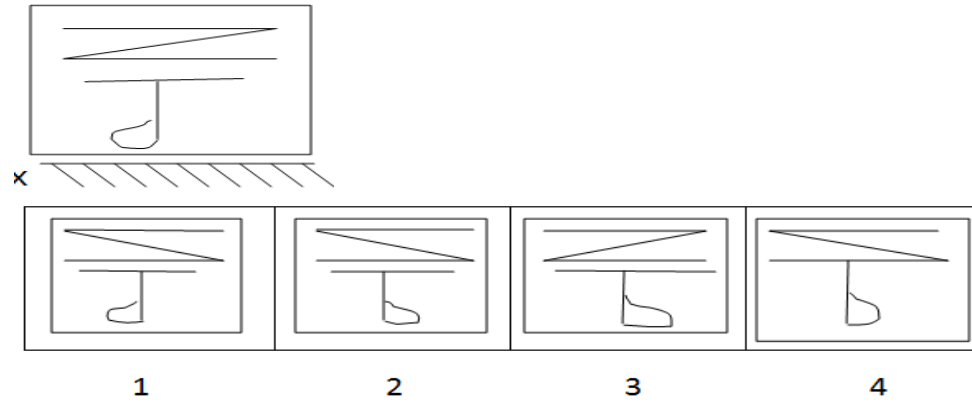
79. Who among them is the lightest ?

- (a) A (b) B (c) C (d) B or C

80. Salaries of A, B and C were in the ratio 3 : 5 : 7, respectively. If their salaries were increased by 50%, 60% and respectively, what will be the new ratio of the their respectively salaries?
(a) 4 : 5 : 7 (b) 3 : 6 : 7
(c) 4 : 15 : 18 (d) 9 : 16 : 21
81. If P denotes '/',
Q denotes 'x',
R denotes '+',
S denotes '-',
Then what is the value of $18 Q 12 P 4 R 5 S 6 = ?$
(a) 64 (b) 81 (c) 53 (d) 24
82. Find out the number which will come next in the series 2, 5, 14, 122, 365
(a) 1029 (b) 1094
(c) 1059 (d) 1000

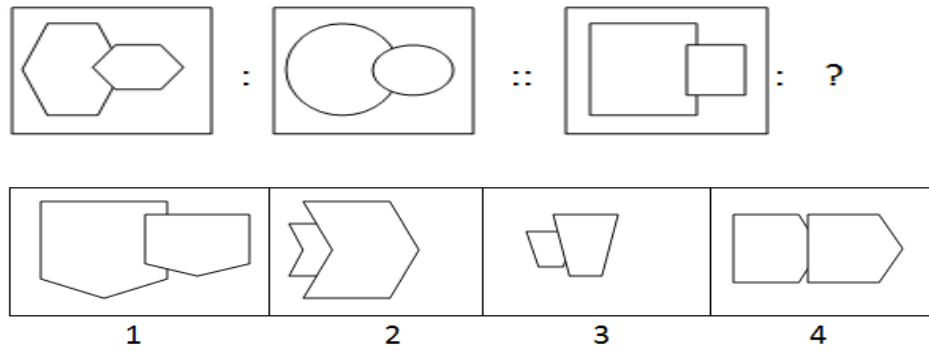
Directions (83-84): Select the related figure from the given alternative.

83.



(a) 1 (b) 2 (c) 3 (d) 4 (e) 5

84.



(a) 1 (b) 2 (c) 3 (d) 4 (e) 5

Directions (85-92) Tick mark the most appropriate choice on the basis of the relationship.

85. VOLT is to electricity as WATT is to
(a) Power (b) heat
(c) Motion (d) frequency
86. CUB is to bear as PUP is to
(a) elephant (b) rabbit
(c) ass (d) seal
87. renovation : renewal
(a) fail : examination (b) tumble : topple
(c) poor : poverty (d) up : climb
88. heavy : light
(a) loop hole : fool-proof (b) weight : bulb
(c) dark : night (d) water : fire
89. examination : degree
(a) doctor : Ph.D
(b) music : instrument
(c) interview : selection
(d) sports : medal
90. India is to Pakistan as
(a) America is to Europe
(b) Australia is to England
(c) Russia is to America
(d) Madhya Pradesh is to Gujarat

91. Cake is to icing as:
 (a) food is to calories
 (b) sugar is to syrup
 (c) furniture is to polish
 (d) cloth is to stitching
92. Monday is to Wednesday as :
 (a) August is to November
 (b) Spring is to rains
 (c) Year is to leap year
 (c) Night is to day
93. In the series, 6 4 1 2 2 8 7 4 2 1 5 3 8 6 2 1 7 1 4 1 3 2 8 6
 how many pairs of successive number have a difference
 of 2 each?
 (a) 4 (b) 5 (c) 6 (d) 7
94. In following number sequence How many odd numbers
 are there which are immediately preceded and also
 immediately followed by an even number?
 5 1 4 7 3 9 8 5 7 2 6 3 1 5 8 6 3 8 5 2 2 4 3 4 9 6
 (a) 1 (b) 2
 (c) 3 (d) 4
95. In the following series, you will be looking at both the
 letter pattern and the number pattern. Fill the blank in
 the middle of the series.
 $B_2CD, \underline{\hspace{1cm}}, BCD_4, B_5CD, BC_6D$
 (a) B_2C_2D (b) BC_3D
 (c) B_2C_3D (d) BCD_7

Directions (Qs. 96-98) : In this type of alphabetical series, some letters are missing. Choose the correct one of the given alternatives.

96. c.....bba....cab....ac.....ab.....ac.
(a) abc bc (b) acbc b (c) babcc (d) bcacb
97.cb.....ca.....bacb.....ca.....bac.....d
(a) bdddb (b) bbbdd (c) adddb (d) addbbb
98. aab....ab....cabcca.....bcab.....c.
(a) bb bc (b) bbab (c) cab c (d) cbab

Direction (99-100) Read each definition and all four choices carefully, and find the answer that provides the best example of the given definition.

99. A **Guarantee** is a promise or assurance that attests to the quality of a product that is either (1) given in writing by the manufacturer or (2) given verbally by the person selling the product. Which situation below is the best example of a Guarantee?
- (a) Melissa purchases a DVD player with the highest consumer ratings in its category.
 - (b) The salesperson advises Curt to be sure that he buys an air conditioner with a guarantee.
 - (c) The local auto body shop specializes in refurbishing and selling used cars.
 - (d) Lori buys a used digital camera from her coworker who says that she will refund Lori's money if the camera's performance is not of the highest quality.

100. Erratic Behavior occurs when an individual acts in a manner that lacks consistency, regularity, and uniformity. Which situation below is the best example of Erratic Behavior?
- (a) Julia cannot contain her anger whenever the subject of local politics is discussed.
 - (b) Martin has just been told that he is being laid off. Before leaving his supervisor's office, he punches a hole in the door.
 - (c) Rhonda has visited the dealership several times, but she still cannot decide which car to buy.
 - (d) In the past month, Jeffrey, who has been a model employee for three years, has repeatedly called in sick, forgotten important meetings, and been verbally abusive to colleagues.
101. Odometer is to mileage as compass is to
- (a) speed
 - (b) Hiking
 - (c) needle
 - (d) Direction
- 102 . Cup is to coffee as bowl is to
- (a) dish
 - (b) soup
 - (c) spoon
 - (d) food

Direction(103-104) The words in the bottom row are related the same way as the words in the top row. For each item, find the word that completes the bottom row of words.

103. rule command Dictate
doze sleep ?
(a) Snore (b) hibernate (c) awaken (d) Govern

104. apples fruit Supermarket
 novel book ?
 (a) bookstore (b) magazine
 (c) Vegetable (d) shopping

Direction (105-106) Each problem consists of three statements. Based on the first two statements, the third statement may be true, false, or uncertain.

105. Mara runs faster than Gail.
 Lily runs faster than Mara.
 Gail runs faster than Lily.
 If the first two statements are true, the third statement is
 (a) True (b) False (c) Uncertain
106. Cloudy days tend to be more windy than sunny days.
 Foggy days tend to be less windy than cloudy days.
 Sunny days tend to be less windy than foggy days.
 If the first two statements are true, the third statement is
 (a) True (b) False (c) Uncertain

Direction(107-108) The logic problems in this set present you with three true statements: Fact 1, Fact 2, and Fact 3. Then, you are given three more statements (labeled I, II, and III), and you must determine which of these, if any, is also a fact. One or two of the statements could be true; all of the statements could be true; or none of the statements could be true. Choose your answer based solely on the information given in the first three facts.

107. Fact 1: All chickens are birds.
Fact 2: Some chickens are hens.
Fact 3: Female birds lay eggs.

If the first three statements are facts, which of the following statements must also be a fact?

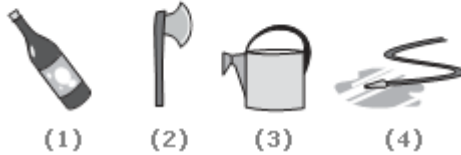
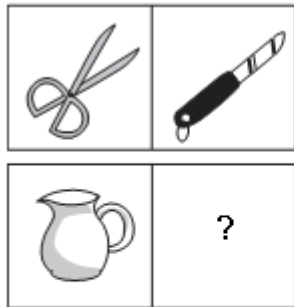
- I: All birds lay eggs.
II: Some Hens are birds.
III: Some chickens are not hens.

- (a) I only
- (b) II only
- (c) II and III only
- (d) None of the statements is a known fact.

108. Fact 1: Robert has four vehicles.
 Fact 2: Two of the vehicles are red.
 Fact 3: One of the vehicles is a minivan.
 If the first three statements are facts, which of the following statements must also be a fact?
 I: Robert has a red minivan.
 II: Robert has three cars.
 III: Robert's favorite color is red.
- (a) I only
 (b) II only
 (c) II and III only
 (d) None of the statements is a known fact.

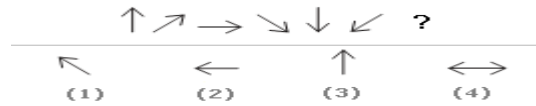
Direction (109-111) Look carefully at the sequence of symbols to find the pattern. Select correct pattern.

109.



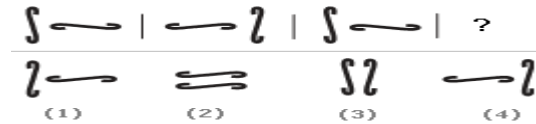
- (a) 1 (b) 2 (c) 3 (d) 4

110.



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

111.



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

Direction (112-113) Each of the following questions contains a small paragraph followed by a question on it. Read each paragraph carefully and answer the question given below it.

112. Though the waste of time or the expenditure on fashions is very large, yet fashions have come to stay. They will not go, come what may. However, what is now required is that strong efforts should be made to displace the excessive craze for fashion from the minds of these youngsters.

The passage best supports the statement that:

- (a) Fashion is the need of the day.
- (b) The excessive craze for fashion is detrimental to one's personality.
- (c) The hoard for fashion should be done away with so as not to let down the constructive development.
- (d) Work and other activities should be valued more than the outward appearance.

113. Satisfaction with co-workers, promotion opportunities, the nature of work, and pay goes with high performance among those with strong growth needs. Among those with weak growth needs, no such relationship is present - and, in fact, satisfaction with promotion opportunities goes with low performance.

This passage best supports the statement that:

- (a) Satisfaction is an inevitable organizational variable.
- (b) Job satisfaction and performance are directly and closely related.
- (c) Relationship between job satisfaction and performance is moderated by Growth need.
- (d) Every organization has few employees having weak growth need.

Direction(114-118) Read the below passage carefully and answer the questions Five roommates Randy, Sally, Terry, Uma, and Vernon each do one housekeeping task mopping, sweeping, laundry, vacuuming, or dusting one day a week, Monday through Friday.

*Vernon does not vacuum and does not do his task on Tuesday.

*Sally does the dusting, and does not do it on Monday or Friday.

*The mopping is done on Thursday.

*Terry does his task, which is not vacuuming, on Wednesday.

*The laundry is done on Friday, and not by Uma.

*Randy does his task on Monday.

114. What task does Terry do on Wednesday?
(a) Vacuuming (b) dusting
(c) mopping (d) sweeping
115. What day does Uma do her task?
(a) Monday (b) Tuesday
(c) Wednesday (d) Thursday
116. What task does Vernon do?
(a) Vacuuming (b) dusting
(c) mopping (d) laundry
117. What day is the vacuuming done?
(a) Friday (b) Monday
(c) Tuesday (d) Wednesday
118. When does Sally do the dusting?
(a) Friday (b) Monday
(c) Tuesday (d) Wednesday
119. Rajesh's school bus is facing North when reaches his school. After starting from Rajesh's house, it turning twice and then left before reaching the school. What direction the bus facing when it left the bus stop in front of Rajesh's house?
(a) East (b) North
(c) South (d) West

120. Ravi travelled 4km straight towards south. He turned left and travelled 6km straight, then turned right and raveled 4km straight. How for is he from the starting point?
- (a) 8km (b) 10km
(c) 12km (d) 18km
121. Sunil started walking from a point 'P' towards South. After walking 40m, he took after turn. He then walked 30m and reached a point Q. What is the straight line distance between P and Q, and Q is towards which direction of P?
- (a) 60 meters, South east
(b) 50 meters, South West
(c) 50 meters, South east
(d) None of these
122. In a certain code STUDENT is written as TUTDNES. How will SOURCES be written in that code?
- (a) SOURCES (b) SUORECS
(c) SRUOCES (d) SOURSEC
123. If PRIVATE is coded as 1234567 and RISK is coded as 2398, how is RIVETS coded?
- (a) 232679 (b) 243769
(c) 234769 (d) 234976

Direction(124-125): A survey of TV watching habits of people living in 5 cities, 1, 2, 3, 4, and 5 is summarized below. The column(1) gives the percentage of T.V watchers in each city who see only one day in a week. The Column (2) gives the total number of T.V watchers who see more than one day in a week.

Read The table and answer the questions.

City	(1)	(2)
1	48	3400
2	30	3800
3	65	4500
4	15	5800
5	85	7500

124. How many watch T.V in city-3 only one time in a week?
(a) 3000 (b) 2875
(c) 8357 (d) 2975
125. The city with the lowest number of T.V watchers is:
(a) 2 (b) 5
(c) 3 (d) 1
126. For any natural number n , n^4+n^2+1 is:
(a) odd (b) even
(c) either odd or even (d) can't be determined

127. There are 4 times as many chocolates in the house as there are male members. Each female gets 3 chocolates and each male gets 1 chocolate. What can be said about the males (M) and females (F) of the family?
- (a) $M > F$ (b) $M < F$ (c) $M = F$ (d) $M \neq F$
128. A worker gets a fixed amount per day for which he works. But his salary is cut for the days on which he is absent and there is fine of Rs. 5 per day. He was absent for 4 days in April when his salary was Rs. 760. In the month of May, he was absent for 6 day and received Rs. 720. How much would he receive (in Rs.) in June if he works for the entire month.
- (a) 780 (b) 840 (c) 900 (d) 930
129. How many natural numbers are there between 500 and 1300 which are divisible by 8?
- (a) 95 (b) 100 (c) 105 (d) 110
130. Three years ago, the average age of a family of 5 members was 17 years. A baby having been born, the average of the family is the same today. What is the age of the baby?
- (a) 1 Year (b) 2 year (c) 6 Month (d) 9 Month
131. If $2^x = 5^y$, then
- (a) $\log_2 5 = y/x$ (b) $\log_5 2 = y/x$
(c) $\log_5 2 = x/y$ (d) $\log_5 2 = 1$

132. A's salary increased by 12% over last year and has become Rs. 6720. What will next year's salary be if it is increased by 20% over last year's salary?
(a) 8000 (b) 8064 (c) 7500 (d) 7200
133. At Rs. 25000, Onida TV is 25% costlier than Philips. If both Onida and Philips announce a price increase of Rs. 5000, Onida TV will be costlier than Philips by what %.
(a) 16.66% (b) 20% (c) 25% (d) 30%
134. In an election between 2 candidates, Shyam gets 65% of the total valid votes. If the total votes were 6000, what is the number of valid votes that the other candidate Bhola gets if 25% of the total votes were declared invalid?
(a) 1625 (b) 1575
(c) 1675 (d) 1525
135. The average weight of 5 men is reduced by 2 kg when one man weighing 70 kg is replaced by a new man. The weight of the new man is
(a) 80 kg (b) 65 kg
(c) 75 kg (d) 60 kg
136. Five liters of water is added to a certain quantity of pure milk costing Rs. 3 per liter. If by selling the mixture at the same price as before, a profit of 20% is made, then what is the amount of pure milk in the mixture?
(a) 20L (b) 30L (c) 25L (d) 35L

137. The monthly income of two persons is in the ratio of 4: 5 and their monthly expenditures are in the ratio of 7: 9. If each saves Rs. 50 a month then what are their monthly incomes?
(a) Rs. 100, Rs. 125 (b) Rs. 200, Rs. 250
(c) Rs. 300, Rs. 375 (d) Rs. 400, Rs. 500
138. Rs. 770 has been divided among A, B and C such that A receives $\frac{2}{9}$ th of what B and C together receive. Then A's share is:
(a) Rs. 140 (b) Rs. 154
(c) Rs. 165 (d) Rs. 170
139. A grocer mixes two types of rice costing Rs. 14 / kg and the other costing Rs. 27 / kg. He sells the mixture at Rs. 18 / kg. If in the whole deal, he makes neither the profit nor the loss, then what is the proportion in which the two types have been mixed?
(a) 4 : 9 (b) 9 : 4
(c) 5 : 2 (d) 2 : 5
140. A fruit seller sells 24 kg apples. He sells a part of them at 20% gain and the balance at a loss 5%. If on the whole, he earns a profit of 10%, the amount of apples sold at a loss is
(a) 6 kg (b) 4.6 kg (c) 9.6 kg (d) 11.4 kg
141. A shopkeeper bought 80 kg of rice for Rs. 384 and was obliged to sell it at a loss of as much money as he received for 16kg. Find the Sell Price per kg.
(a) Rs. 6 (b) Rs. 8 (c) Rs. 4 (d) Rs. 3

142. The difference in Compound Interest & Simple Interest for 2 years on a certain sum at 10 % of interest is Rs. 450. What is principal?
- (a) 30000 (b) 40000 (c) 45000 (d) 50000
143. A sum of Rs. 8000 is borrowed at 5% p.a. compound interest and paid back in 3 equal installments. What is the amount of each installment?
- (a) Rs. 2937.67 (b) Rs. 3000
(c) Rs. 2037.67 (d) Rs. 2793.76
144. Three persons board a train in which 5 seats are vacant then they can sit in
- (a) 60 ways (b) 10 way
(c) 15 way (d) 8 ways
145. A train starts from station P at 7 am and moves at 60 kmph toward Q. At 1 pm another train starts from Q toward P at 80 kmph. When do the trains meet, if the distance between P and Q is 1200 km?
- (a) 6 pm (b) 7 pm
(c) 8 pm (d) None of these
146. If the roots of $4x^2 + px + 9 = 0$ are equal than absolute value of p is
- (a) 144 (b) 12
(c) (-12) (d) ± 12

147. A, B & C start at the same time from the same point in the same direction to walk round a circular course of 12 km. A, B and C walk respectively at the rate of 3, 7 and 13 km/hr. In what time will they come together again?
(a) 6 hours (b) 15 hours
(c) 16 hours (d) 21 hours
148. A can build a wall in 30 days. B can demolish that wall in 60 days. If A and B work on alternate days when will the wall be completed? (in days)
(a) 20 (b) 19
(c) 120 (d) 117
149. A cistern can be filled by two pipes in 18 and 24 min. The third pipe can empty it in 12 min. If $\frac{1}{6}$ cistern is already full, in how much time will the cistern be filled, if all the pipes are open?
(a) 1 hrs (b) 2 hrs
(c) 3 hrs (d) 4 hrs
150. $11^2 + 12^2 + 13^2 + \dots + 20^2 = ?$
(a) 2481 (b) 2483
(c) 2485 (d) 2487
