QUESTION BOOKLET AND ANSWER KEY FOR RECRUITMENT TEST OF EXCISE AND TAXATION INSPECTORS HELD ON 6.11.2011

Directions (Q.1 - Q.5):- Choose the correct synonym of the given word.

1. **Casuistry.**
   A) sophistry B) hatred C) anger D) clarity

2. **Decry**
   A) soundness B) condemn C) praise D) bless

3. **Feign**
   A) rein B) master C) simulate D) hide

4. **Hoary**
   A) hairy B) hourly C) airy D) old

5. **Kernel**
   A) essence B) cattle C) group D) faith

Directions (Q.6 - Q.10):- Choose the correct preposition to be filled in the blank of the sentences that follow.

6. **Ramesh is apprehensive _____ the danger.**
   A) from B) at C) of D) by

7. **He derives his strength _____ his moral values.**
   A) of B) from C) at D) in

8. **His lecture was bereft _____ sense.**
   A) of B) from C) by D) with

9. **My objection _____ his problem is known to all.**
   A) to B) of C) with D) upon

10. **Your policy is deficient _____ logic.**
    A) of B) in C) from D) at

Directions (Q.11 - Q.15):- Choose the correct meaning of idioms and phrases.

11. **Out of question:**
    A) impossible B) possible C) doubtless D) frankly

12. **Out of the question:**
    A) candid B) realistic
    C) answerless D) too impractical to be worth discussing

13. **Put the cart before the horse:**
    A) to do things in reverse order B) to be credulous
    C) to believe in something D) to spoil the show

14. **To be on the rack:**
    A) to be in the limelight B) to be in a state of torture
    C) to be in a state of doubt D) to trust somebody

15. **To be at the end of one's tether:**
A) to be full of hope
B) to break the ice
C) to be so far as one is able to proceed
D) to be a source of annoyance

Directions (Q.16 - Q.20):- Choose the correct form of indirect narration given below:-

16. **She said to me, "Do not trust such a man."**
A) She asked me not to trust such a man.
B) She told me if I trust such a man.
C) She ordered me to trust such a man.
D) She advised me not to trust such a man.

17. **I said to my teacher, "Is this the meaning of the poem?"**
A) I advised my teacher is this the meaning of the poem.
B) I asked my teacher is this the meaning of the poem.
C) I asked my teacher was that the meaning of the poem.
D) I asked my teacher if that was the meaning of the poem.

18. **I said to him, " Don't worry about me."**
A) I told him not to worry about me.
B) I told him whether he should worry about me
C) I told him not to worry about him.
D) I asked him if he worries about him

19. **He said to the Principal, "Will the college remain closed tomorrow?"**
A) He told the Principal if the college will remain closed the next day.
B) He asked the Principal if the college would remain closed the next day.
C) He suggested that the college would remain closed the next day.
D) He asked the Principal if he had decided to close the college.

20. **I said to her, "What is the matter?"**
A) I told her what was the matter.
B) I told her what is the matter.
C) I asked her what the matter was.
D) I asked her what the matter is.

Directions (Q.21 - Q.25):- Choose the correct form of phrasal verb to be filled in the blanks of the sentences given below:

21. **It is an interesting idea but most of the members may not _____ it.**
A) face down
B) look down
C) bring out
D) fall in with

22. **Everybody _____ the strawberry flavoured ice-cream**
A) set for
B) saw off
C) took off
D) plumped for

23. **Sita _____ a rage when she heard the news.**
A) went down
B) cried off
C) flew into
D) came off

24. **His future _____ his wife's consent.**
A) put down
B) hinges on
C) puts on
D) breaks off

25. **Various causes have _____ the power of the people**
A) whittled away at
B) carried off
C) cried off
D) gone off

26. **What is Rural sex ratio in Punjab as per 2011 census?**
A) 872 B) 906 C) 947 D) 926

27. **When did Jagjit Singh render the Bahadur Shah Zafar's ghazal "Lagta nahin hai dil mera .. " in the Sansad Bhawan?**
A) 2005 B) 2007 C) 2009 D) 2010

28. **Where did India win first Olympic Hockey Gold?**
A) Amsterdam B) Berlin C) London D) Rome

29. **When is Police Commemoration Day observed?**
A) October 21 B) January 24 C) October 24 D) August 21

30. **Which country has played maximum number of One-Day Internationals cricket matches?**
A) Australia B) England C) India D) West Indies

31. **Who have won the Jnanpith Award?**
A) Amrita Pritam & Bhai Vir Singh B) Amrita Pritam & Gurdial Singh
C) Amrita Pritam & Khushwant Singh D) Gurdial Singh & Khushwant Singh

32. **The historic `Khidrane dee dhab' is now known as:**
A) Anandpur Sahib B) Fatehgarh Sahib
C) Muktsar Sahib D) Taran Tarn Sahib

33. **What is the approximate length of the border that India shares with Pakistan?**
A) 2700 kms B) 3000 kms C) 3300 kms D) 3600 kms

34. **Recently a commemorative stamp was released in the memory of Pandit K. Santanam. Which of the following statement about Pandit K. Santanam is not true?**
A) He bared truth of Jallianwala massacre
B) He was close associate of Mahatma Gandhi in Durban
C) He was defence counsel in Lahore Leaders Case.
D) He was Managing Director of Lakshmi Insurance Company

35. **Name the designer and conceptual mind behind the iPod and iPhone.**
A) Jonathan Ive B) Ronald Wayne C) Steve Jobs D) Steve Wozniak

36. **Which of the following is not a part of the Telangana region?**
A) Warangal B) Rangareddy C) Medak D) Chittoor

37. **Who is Peter Varghese?**
A) Australia's High Commissioner to India
B) Austria's High Commissioner to India
C) India's High Commissioner to Australia
D) India's High Commissioner to Austria

38. **Approximately what is overall tele-density in India?**
A) 55% B) 65% C) 75% D) 85%

39. **Which of the following statement is true about Punjab?**
A) There are 14 cities and 157 towns in Punjab.
B) There are 21 cities and 157 towns in Punjab.
C) There are 14 cities and 127 towns in Punjab.
D) There are 21 cities and 127 towns in Punjab.

40. **Starting with the highest population to lowest (as per 2011 census) arrange following districts: 1-Amritsar, 2- Bathinda, 3 –Kapurthala, 4 -Patiala**
A) 1, 4, 2, 3 B) 1, 4, 3, 2 C) 4, 1, 2, 3 D) 4, 1, 3, 2

41. **The Blackbuck is scientifically known as:**
A) Antilope cervicapra B) Passer domesticus
C) Felis catus D) Equus ferus caballus

42. **Prior to 2011-2012, when was India last time a non-permanent member of UN Security Council?**
A) 1981-1982 B) 1987-1988 C) 1991-1992 D) 1997-1998

43. **About what per cent of the food grains that are moved interstate in India to feed deficit areas through the public distribution system are the stocks procured from Punjab?**
A) 65 B) 75 C) 85 D) 95

44. **The Guru Angad Dev Veterinary and Animal Sciences University is situated in:**
A) Ludhiana B) Faridkot C) Amritsar D) Bhatinda

45. **To be eligible for the grant of the Maharatna status, besides other conditions, the company have an average annual net profit of over:**
A) Rs. 500 crore during the last five years
B) Rs. 500 crore during the last three years
C) Rs. 5000 crore during the last five years
D) Rs. 5000 crore during the last three years

46. **The recently launched `VesselSat-1' belongs to:**
A) Luxembourg B) France C) Italy D) Vietnam

47. **The incubation period of Dengue (time between exposure and onset of symptoms) most often ranges from :**
A) 1-4 days B) 4–7 days C) 7-14 days D) 14-21 days

48. **Starting with the earliest, arrange the following Generals in the chronological order of their becoming Chief of Indian Army. 1- General Deepak Kapoor, 2 - General Joginder Jaswant Singh, 3- General Nirmal Chander Vij, 4- General Vijay Kumar Singh**
A) 2, 3, 4, 1 B) 2, 3, 1, 4 C) 3, 2, 4, 1 D) 3, 2, 1, 4

49. **Which of the following statement is true about Punjab?**
A) It produces 14% of India's rice, 20% of India's wheat, and 9% of India's cotton.
B) It produces 14% of India's cotton, 20% of India's wheat, and 9% of India's rice
C) It produces 14% of India's wheat, 20% of India's cotton, and 9% of India's rice.
D) It produces 14% of India's wheat, 20% of India's rice, and 9% of India's Cotton

50. **Which of the following agencies are headquartered at Geneva?**
1-International Committee of the Red Cross
2-UN High Commissioner for Human Rights
3-World Intellectual Property Organization
A) 1, 2 B) 2, 3 C) 3, 1 D) 1, 2 and 3

51. **What comes next in the series? 1,3,6,11,18, 29, ..**
A) 33 B) 37 C) 41 D) 42

52. **What comes next in the series? 1, 2, 6, 12, 20, 30, . „**
A) 37 B) 40 C) 42 D) 47

53. **What comes next in the series? 2, 5, 12, 19, 30, 41, 56, ..**
A) 61 B) 67 C) 71 D) 79

54. **What replaces X in the following codified information?**

3	2	4
4	5	8
2	1	X
2	3	4

A) 1 B) 2 C) 3 D) 4

55. **Find the odd one in the coded set 312, 536, 648, 727, 877, 988**
A) 648 B) 727 C) 877 D) 988

56. **How many 3's are there in the following series, which are not preceded by an odd number but followed by 4?**
153234653478349234563435341354421781254 14
A) One B) Two C) Three D) Four

57. **If 2 is coded as 10, 3 is coded as 11 then 4 will be coded as:**
A) 110 B) 101 C) 111 D) 100

58. **If PUNJAB is coded as RWPLCD, HARYANA is coded as JCTACPC, then RAJASTHAN will be coded as ..**
A) TCJCUVLCP B) TCLCUVJCP
C) TCKCVUJCP D) TCLCUVKCP

59. **If STAR is coded as TVCP, and PURI is coded as QWTG, then AJAY will be coded as :**
A) BLCW B) BLCX C) CLCW D) BLBC

60. **If BED is coded as CGD, CAT is coded as SCE, then EAR is coded as:**
A) QCG B) QGC C) GCQ D) GQC

61. **Which is the odd one out in the series AFKP, EJOT, INSX, FKNS?**
A) AFKP B) EJOT C) FKNS D) INSX

62. **If + means ÷, ÷ means –, – means x and x means +, then: 9 + 3 ÷ 5 – 3 x 7 = ?**
A) 5 B) 15 C) 25 D) None

63. **From a point Abhinav walks 20 mts towards the east and then turns south and moves 10 mtrs. Then, he walks 35 mtrs towards west and further 5 mtrs towards the north. Finally he walks 15 mtrs towards east. How far he is from the starting point?**
A) 0 mtrs B) 5 mtrs C) 10 mtrs D) Data inconsistent

64. **Abinav was given a task to be completed in a week. He decided to complete half of it on Monday. Then on Tuesday he completed half of what was left on Monday. He followed this pattern for the seven days of the week. About how much of the task would be left unfinished?**
A) 0.08% B) 0.68% C) 0.78% D) 0.98%

65-66 **In the recent Cricket match between India and England, each batsman scored 10 runs more than his immediate batsman. The lowest score was 10 runs. It was noted that:**
(i) Ashwin scored more runs than Gambhir.
(ii) Raina scored more runs than Jadeja but less than Dhawan
(iii) Kohli scored as much runs as Dhoni but less than Dhawan and more than Raina.
(iv) Gambhir scored more runs than either Dhoni or Dhawan.

65. **Who scored lowest runs?**
A) Dhawan B) Gambhir C) Raina D) Jadeja

66. **Who scored maximum runs?**
A) Ashwin B) Dhawan C) Gambhir D) Raina

67-69 **Abhay, Balwinder, Chander, Danish and Eknath are classmates. It is stated that:**
(i) Abhay is taller than Eknath, but shorter than Balwinder.
(ii) Danish is a little shorter than Balwinder, but is a little taller than Abhay.
(iii) Chander is the tallest of all.

67. **Who is shortest amongst all?**
A) Abhay B) Balwinder C) Danish D) Eknath

68. **If they stand in a line in the descending order of their height who will be in the middle?**
A) Abhay B) Balwinder C) Danish D) Chander

69. **Which of the following statement is superfluous?**
A) (i) B) (ii) C) (iii) D) None is superfluous

70-74 **There are six religious spots; A, B, C, D, E and F, which are to be visited one on each day from Monday to Saturday. The visits are to be scheduled in the light of following conditions:**
(i) A must be visited on the previous day of the day on which E is visited.
(ii) B is to be visited on a day which follows the day on which F is visited.
(iii) C must not be visited on Tuesday,
(iv) D must be visited on Friday, and it should not be visited immediately preceded by B.
(v) E must not be visited on the last day.

70. **Which of the following place is visited on Monday?**
A) C B) D C) E D) F

71. **Which of the following places immediately follows B?**
A) A B) D C) E D) F

72. **Place D is visited between which of the pairs of places?**
A) F and B B) A and E C) E and B D) C and E

73. **Which of the following Schedule of places to be visited starting from Monday could be listed?**
A) BFAEDC B) FBEADC C) FBAEDC D) FBADEC

74. **Place C cannot under any circumstances be visited on which of the days in addition to Tuesday?**
A) Monday B) Tuesday C) Thursday D) Friday

75-77. **A committee of six is to be constituted from amongst six officials from the headquarters and five from the regional offices. Officials from the HQs are A, B, C, D, E, F and those from the regional offices are P, Q, R, S, T. But they are governed by the following conditions.**

A&D have to be together
C&Q have to be together
B&R have to be together
S&T have to be together

B cannot be with E
D cannot go with P
C cannot be with S

75. **If four members including E have to be from HQs, the other members are:**
A) ABCQR B) ACDFQ C) ADFST D) BCFQR

76. **If including P, the team has three officials from regional offices, other members are:**
A) ADBST B) ADEST C) BCFQR D) BFRST

77. **If four members have to be from regional offices, then members are:**
A) BCPQRS B) BCPQRT C) BFPRST D) BCQRST

78-81 **Pramod, Kamal, Manoj and Jatin decided to play cards, and they decided to sit across a square table in such a way that:**
(i) Kamal faces north-east
(ii) Manoj is not having Pramod to his right or Jatin on his left
(iii) Either Kamal or Pramod have Manoj to his left

78. **Who sat in the south-east direction?**
A) Jatin B) Kamal C) Manoj D) Pramod

79. **Who sat opposite to Kamal?**
A) Jatin B) Manoj C) Pramod D) Data incorrect/incomplete

80. **Who faces south-east?**
A) Jatin B) Kamal C) Manoj D) Pramod

81. **Who sat to the left of Jatin?**
A) Kamal B) Manoj C) Pramod D) Data incorrect/incomplete

82-86 **Ravinder and Balwant are good at Hindi and Urdu. Dalip and Ravinder are good at Hindi and Bengali. Gurdip and Balwant are good at Chinese. Dalip, Gurdip and Jatin are good at French and Bengali. Then:**

82. **Who is good at Bengali, Chinese, Hindi and French?**
A) Ravinder B) Gurdip C) Balwant D) None

83. **Who is good at Bengali, Hindi and Urdu?**
A) Ravinder B) Gurdip C) Balwant D) Dalip

84. **Who is good at Chinese, Hindi and Urdu?**
A) Ravinder B) Gurdip C) Balwant D) Dalip

85. **Who is good at largest number of languages?**
A) Ravinder, Gurdip, Jatin, Dalip B) Ravinder, Gurdip, Balwant, Dalip
C) Ravinder, Gurdip, Balwant, Jatin D) Gurdip, Balwant, Jatin, Dalip

86. **Who is good at least number of languages?**
A) Ravinder B) Gurdip C) Balwant D) Jatin

87-89 **Abhay, Balwinder, Chander, Danish and Eknath decided to play an innovative game. They divided a circle into 8 equal parts and numbered the parts clockwise from 1 to 8. The conditions decided for scoring were as follows: Starting from number one, if one moves a step clockwise, one just adds the number in the next slot to one's current number to give one one's score. If one steps anticlockwise, one adds the number in the slot but subtracts 2 from the total to get the score. If one moves to the number diagonally across, one adds the number to the score but subtracts 3 from the total. One cannot move into a slot already used.**

87. **What is the maximum score one can have after the second move?**
A) 8 B) 10 C) 11 D) 12

88. **What is the minimum score one can have after the third move?**
A) 4 B) 6 C) 8 D) 9

89. **What is the maximum score one can have after the third move?**
A) 12 B) 14 C) 16 D) 18

90. **In an office of 80 employees, 28 can speak Hindi as well as Punjabi, while 18 can neither speak Hindi nor Punjabi, then how many can speak at most one language?**
A) 34 B) 52 C) 62 D) Data inconsistent

91. **A and B are sisters, C is brother of A, D is brother of E and F. E is daughter of B. Who is uncle of D?**
A) A B) B C) C D) E

92. **In the heap of 11 files, Rajus's file is 7 from the top, the official before scrutinizing the same, places the heap of files upside down. Now what is the placement of Raju's file from the top?**
A) 4 B) 5 C) 6 D) 7

93. **Five friends, A, B, C, D and E are standing in a long queue. A is 13th from the front and C is 13th from the last. B is 18th from the front and D is 18th from the last. While E is somewhere in between. After some time A and D interchange their positions and so do B and C. After the exchange if A becomes 28th from the front, then how many persons are there in the queue?**
A) 45 B) 46 C) 47 D) Data incomplete

94. **In an office of 80 employees, 28 can speak Hindi as well as Punjabi. If, in all 35 cannot speak Hindi and 14 cannot speak Punjabi, then how many can speak only Hindi?**
A) 23 B) 45 C) Data inadequate D) Data inconsistent

95. **In an office of 750 employees, each employee has to know at least one of the three languages, Hindi, English and Punjabi. It has been found that 46 employees can speak in Hindi and Punjabi, 38 can speak in Hindi and English, while 23 can speak in Punjabi and English. If 13 persons can speak all the three languages and equal number of employees can speak only one language, then how many can speak in Punjabi?**
A) 223 B) 294 C) 279 D) Data not adequate

96. **If 'all men are women' and 'some women are horses', then which of the following conclusions drawn from the given statement is correct?**
A) All men are horses B) All horses are women
C) Some horses are women D) No woman is man

97. **In an office each employee has to know at least one of the three languages, Hindi, English and Punjabi. It has been found that 76 employees can speak in Hindi, 87 can speak in Punjabi and 96 can speak in English, while 6 can speak all the three languages. If 16 can speak only Hindi and Punjabi, and 26 can speak only English, then how many can speak in at least two languages?**
A) 76 B) 86 C) Data inadequate D) Data inconsistent

98. **Pieces of five varities of fruits are placed at a counter and one can have any three pieces. In how many ways one can have?**
A) 10 B) 15 C) 30 D) 35

99. **A newly opened restaurant offers 10 choices of appetizer, 5 choices of main meal and 4 choices of dessert. One can choose to eat just one course, or two different courses, or all three courses. Assuming all choices are available, how many different possible meals does the restaurant offer?**
A) 19 B) 200 C) 310 D) 329

100. **In the last ICC Champions Trophy eight teams had participated. Before and after inauguration ceremony, captains of all the teams shook hands. In all how many handshakes were there amongst captains?**
A) 16 B) 28 C) 32 D) 56

101. From a rope 30 meters long a person cuts off as many pieces as many possible, each $3\frac{1}{4}$ meters long. What fraction of the rope will be left?
A) 1/40 B) 3/4 C) 8/13 D) 7/13

102. A man left 1/7 of his property to his daughter and the remaining to his sons to be equally divided among them. If the share of each son be double of that of the daughter, find the number of sons.
A) 2 B) 3 C) 8 D) 7

103. A vessel, full of water, weighs 16.5 Kg. When the vessel is 1/4 full, it weighs 5.25 Kg. The weight of the empty vessel (in Kg) is
A) 1.125 B) 4.5 C) 1.5 D) 3

104. A boy on being asked $\frac{13}{14}$ of a certain fraction had made the mistake of dividing the fraction by $\frac{13}{14}$ and so got an answer that exceeds the correct answer by $\frac{3}{65}$. The correct answer is.
A) 14/45 B) 12/65 C) 13/45 D) 7/13

105. The minimum fraction, which when added to $\frac{29}{12}+\frac{15}{16}$ gives a whole number is
A) 21/38 B) 31/38 C) 38/48 D) 31/48

106. The value of the expression $0.7 \times \frac{0.08}{0.004}$ is equal to
A) 0.14 B) 14 C) 140 D) 0.56

107. Pipe A can fill a tank in 20 minutes, Pipe B in 30 minutes and Pipe C can empty the same tank in 40 minutes. If all of them work together, find the time taken to fill the tank
A) 120/7 minutes B) 20 minutes C) 8 minutes D) none of these

108. A mixture of 40 liters of milk and water contains 10% water. How much water must be added to make 20% of water in the new mixture?
A) 25 liters B) 10 liters C) 5liters D) 15 liters

109. 12 is the 25% of 20% of which number
A) 240 B) 290 C) 140 D) none of these

110. A sum of Rs. 600 amounts to Rs. 720 in 4 years. What will it amount to if the rate of interest (simple interest) is increased by 2%.
A) Rs. 678 B) Rs. 768 C) Rs. 876 D) Rs. 867

111. When the price of T. V. was reduced by 20%, the sale increased by 80%. What was the net effect on sale value in rupees?
A) 60% more B) 44% less C) 44% more D) 40% more

112. When N is reduced by 4, it becomes 80% of itself. The value of N is
A) 20 B) 15 C) 10 D) 25

113. What is 35% of a number if 12 is 15% of that number?
A) 33 B) 5 C) 12 D) 28

114. **A toy train crosses 210 and 122 meter long tunnels in 25 and 17 seconds respectively. The length of the train is**
A) 60 meters B) 65 meters C) 40 meters D) 73 meters

115. **Two cars travel at 30 and 45 km/h. If one takes $2\frac{1}{2}$ hours less than other to complete a journey then the distance covered during the journey is**
A) 250 km B) 200 km C) 260 km D) none of these

116. **A man rows upstream 20 km and downstream 30 km taking 5 hours each. What is the speed of the current?**
A) 4 km/hour B) 6 km/hour C) 1 km/hour D) none of these

117. **Two trains of lengths 190 meters and 210 meters respectively, are running in opposite directions on parallel tracks. If their speeds are 40 km/h and 32 km/h respectively, in what time will they cross each other?**
A) 30 seconds B) 20 seconds C) 40 seconds D) 10 seconds

118. **Find the value of k for which the equation $2x^2 - kx + x + 8 = 0$ has equal roots.**
A) -7 B) 2 C) 1 D) none of these

119. **A man saves Rs. 5 on day 1, Rs. 10 on day 2 and Rs. 15 on day 3 and so on. How much money will he save in the month of February 2008?**
A) 2190 B) 2175 C) 2140 D) none of these

120. **What was the day on October 3, 2010?**
A) Monday B) Tuesday C) Friday D) Sunday

121. **If 12 men can do a piece of work in 80 days, in how many days will 16 men do it?**
A) 60 B) 50 C) 55 D) 45

122. **Ram and Sham can do a work in 6 and 12 days respectively. Ram starts the work and Sham joins after 3 days to finish the work together. For how many days Sham worked?**
A) 6 days B) 5 days C) 2 days D) none of these

123. **Mohan and Sohan can together do a job in 12 days. Sohan alone can do it in 28 days. In how many days can Mohan finish this work?**
A) 21 days B) 16 days C) 12 days D) 28 days

124. **Father's age is 5 times the age of his son. After 15 years the father will be $2\frac{1}{2}$ times older than his son. What is the present age of the father?**
A) 35 years B) 45 years C) 55 years D) 30 years

125. **The average age of A and B is 20 years. If C replaces A, the average becomes 19 and if C replaces B, the average becomes 21. What are ages of A, B and C?**
A) 22, 18, 60 B) 18, 20, 100 C) 18, 60, 75 D) 22, 18, 20

126. **A tangent PQ at a point P of a circle of radius 5cm meets a line through O at a point Q so that OQ = 13cm. Find the length of PQ.**
A) 14 B) 21 C) 12 D) none of these

127. **Find the next term of the series: 2, 5, 7, 11, 13, ...**
A) 19 B) 15 C) 17 D) 23

128. **HCF and LCM of two numbers are 16 and 240 respectively. If one of the numbers is 48 then other is**
A) 80 B) 25 C) 15 D) 5

129. **Solutions of the system of equations $x + 2y = 3$ and $2x + 4y = 5$**
A) are infinitely many B) do not exist
C) are $x = 0$ and $y = 1$ D) are $x = k$, $y = (5-2k)/4$.

130. **The equation $|x+2| = -2$ has**
A) A unique solution B) Two solutions
C) Infinitely many solutions D) No solution

131. **Angle between the minute hand and the hour hand of a clock at 7:20 am is.**
A) 100^0 B) 90^0 C) 120^0 D) none of these

132. **A bag contains 6 red and 4 green balls. A ball is drawn at random from the bag. Find the probability that it is either a red ball or a green ball.**
A) 2 B) 3 C) 1 D) 5

133. **A box contains 20 balls bearing numbers 1, 2, 3, ..., 20. A ball is drawn at random from the box. What is the probability that the number on the ball is not divisible by 5?**
A) 4/5 B) 1/5 C) 1/4 D) none of these

134. **For any event E, if P(E) = 0.99, find the value of P(not E)**
A) 0.1 B) 0.01 C) 0.0001 D) none of these

135. **The area of a triangle whose sides have lengths equal to 10, 6 and 8 feet is**
A) 480 B) 24 C) 48 D) 30

136. **A wire in the form of a circle of diameter 21cms is cut and bent to form a square. The side of the square is**
A) 33/2 B) 33 C) 34 D) 35

137. **Radii of two circles are 8 cm and 6 cm respectively. The radius of a circle whose area is equal to the sum of the areas of these two circles is**
A) 11 B) 14 C) 15 D) 10

138. **If volume of a sphere is 36π then its surface area will be**
A) 18π B) 6π C) 36π D) 12π

139. **A person sells 36 oranges per rupee and suffers a loss of 4%. Find how many oranges per rupee to be sold to have a gain of 8%?**
A) 30 oranges /Rs. B) 32 oranges /Rs.
C) 22 oranges /Rs. D) 20 oranges /Rs.

140. **The amount on Rs. 4000/- for 2 years at 5% per annum compound interest will become**
A) Rs. 3310 B) Rs. 4510 C) Rs. 3410 D) Rs. 4410

141. **The sum of the series $5 + 9 + 13 + \ldots + 49$ is**
A) 351 B) 535 C) 324 D) 435

142. **In a group of cows and hens, the number of legs are 14 more than twice the number of heads. The number of cows in the group is**
A) 5 B) 7 C) 13 D) 15

143. **Which term of the A.P. 64, 60, 56,... is zero**
A) 17^{th} B) 15^{th} C) 10^{th} D) 64^{th}

144. **The sum of three numbers A, B and C is 98. If A : B = 2 : 3 and B : C = 5 : 8, then B is**
A) 14 B) 24 C) 30 D) 40

145. **Which of the following is true?**
A) 0.33…3.. is an irrational number B) -1/6 is an irrational number
C) $\sqrt{4}$ is an irrational number D) 2 is a rational number

146. **The value of $\sqrt{6+\sqrt{6+\sqrt{6+\cdots\infty}}}$ is**
A) 3 B) 6 C) more than 10 D) none of these

147. **The value of a for which $x^4 + x^3 + 8x^2 + ax + 7$ is divisible by $x^2 + 1$ is.**
A) 7/4 B) 1 C) 2 D) none of these

148. **What will be the remainder if $(x^{97} - 1)$ is divided by $x + 1$.**
A) -2 B) 0 C) 2 D) 96

149. **If $p(x) = x^2-7x+12$ and $q(x) = x^2-5x+6$ then LCM of $p(x)$ and $q(x)$ is:**
A) $(x + 2)(x + 3)(x + 4)$ B) $(x + 2)(x - 3)(x - 4)$
C) $(x - 2)(x - 3)(x + 4)$ D) $(x - 2)(x - 3)(x - 4)$

150. **Degree of the zero polynomial is**
A) Not defined B) 0 C) 1 D) -1

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Q. No.	Ans.	Q. No.	Ans.	Q. No.	Ans.	Q. No.	Ans.	Q. No.	Ans.
1	A	31	B	61	C	91	C	121	A
2	B	32	C	62	D	92	B	122	C
3	C	33	C	63	B	93	A	123	A
4	D	34	B	64	C	94	D	124	B
5	A	35	A	65	D	95	C	125	D
6	C	36	D	66	A	96	C	126	C
7	B	37	A	67	D	97	B	127	C
8	A	38	C	68	C	98	D	128	A
9	A	39	A	69	D	99	D	129	B
10	B	40	A	70	D	100	D	130	D
11	C	41	A	71	A	101	A	131	A
12	D	42	C	72	D	102	B	132	C
13	A	43	D	73	C	103	C	133	A
14	B	44	A	74	D	104	C	134	B
15	C	45	D	75	C	105	D	135	B
16	D	46	A	76	C	106	B	136	A
17	D	47	B	77	C	107	A	137	D
18	A	48	D	78	A	108	C	138	C
19	B	49	B	79	C	109	A	139	B
20	C	50	D	80	C	110	B	140	D
21	D	51	D	81	A	111	C	141	C
22	D	52	C	82	D	112	A	142	B
23	C	53	C	83	A	113	D	143	A
24	B	54	A	84	C	114	B	144	C
25	A	55	B	85	B	115	D	145	D
26	B	56	D	86	D	116	C	146	A
27	B	57	D	87	D	117	B	147	B
28	A	58	B	88	B	118	A	148	A
29	A	59	A	89	C	119	B	149	D
30	C	60	A	90	B	120	D	150	A