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**DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO**

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**CMSDU MBA (FT) ENTRANCE TEST  
20XX**

FOR ADMISSION INTO THE TWO YEARS FULL TIME MBA PROGRAM OF DIBRUGARH UNIVERSITY  
SESSION: 20XX-20XX

**TEST BOOKLET**

**Test Booklet No:**

**Test Date: June XX, 20XX**

**Time Allowed: 1 Hour 30 minutes**

**Maximum Marks: 200**

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**I N S T R U C T I O N S**

1. Immediately after the commencement of the examination, you should check that this test booklet *does not* have any unprinted or torn or missing pages or items, etc. If so, get it replaced by a complete test booklet.
2. This test booklet has 14 printed pages containing 25 objective questions each on English, Numerical Ability, Reasoning and General Awareness, totaling 100 questions in that order. Each item comprises four responses. You will select *only one* response (even in cases where you feel that there is more than one correct response) and mark it on the response sheet provided.
3. Use the vacant spaces in the test booklet itself for rough work.
4. Write your *form number* (as printed in your admit card) in the box provided alongside.
5. All questions carry equal marks. Answer all questions. *There is no negative marking.* Your total marks will depend only on the number of correct responses marked by you in the response sheet.
6. Fill the items in the response sheet carefully and as per instructions.
7. After the conclusion of the examination, this test booklet must be returned to the invigilator on duty.
8. Non-adherence to any instructions or failure to comply with any rules governing the conduct of the test or any other matter that the authority deems fit entails taking of severe action will lead to cancellation of your candidature.

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**DIRECTION** (Questions 1 to 5): **Identify the Parts of Speech**

1. First, Second, Third, Fourth, etc.

- |               |              |
|---------------|--------------|
| (a) Cardinals | (b) Ordinals |
| (c) Verbs     | (d) Adverbs  |

2. Poultry, Cattle, Vermin, People, Gentry, etc.

- |                     |                   |
|---------------------|-------------------|
| (a) Compound Noun   | (b) Proper Noun   |
| (c) Collective Noun | (d) Singular Noun |

3. I had spoken, you had done, they had gone, etc.

- (a) Past Continuous Tense
- (b) Simple Past Tense
- (c) Past Perfect Tense
- (d) Past Perfect Continuous Tense

4. By way of, by virtue of, by dint of, etc.

- |                         |                              |
|-------------------------|------------------------------|
| (a) Phrase Prepositions | (b) Compound Prepositions    |
| (c) Simple Prepositions | (d) Participial Prepositions |

5. Either – or, neither – nor, though – yet, not only – but also, etc.

- |                    |                            |
|--------------------|----------------------------|
| (a) Exclamations   | (b) Conjunctions           |
| (c) Adverb Phrases | (d) Demonstrative Pronouns |

**DIRECTION:** (Questions 6 to 10): **Choose the correct expressions for the given idioms**

6. To blaze a trail

- (a) To set fire
- (b) To blow the trumpet
- (c) To be annoyingly noisy
- (d) To initiate work in a movement

7. To fish in the troubled waters

- (a) To discover a rare thing
- (b) To catch fish in stormy water
- (c) To be involved in intrigues
- (d) To take advantage of other's difficulties

8. To be in the same boat

- (a) To be in the same difficult situation
- (b) To be in the same environment
- (b) To be in the same group
- (d) All of the above

9. To flog a dead horse

- |                           |                          |
|---------------------------|--------------------------|
| (a) To waste one's energy | (b) To waste one's money |
| (c) To kill someone       | (d) To encourage         |

10. Hobson's choice

- (a) Choice to live or die
- (b) Favourite choice
- (c) Multiple choice
- (d) No choice at all as there is only one option

**DIRECTION:** (Questions 11 to 15): Find out the word opposite in gender

11. Manager

- |                |                  |
|----------------|------------------|
| (a) Manager    | (b) Lady Manager |
| (c) Manageress | (d) She-Manager  |

12. Friar

- |             |              |
|-------------|--------------|
| (a) Monk    | (b) Nun      |
| (c) Prophet | (d) Friaress |

13. Abbot

- |              |              |
|--------------|--------------|
| (a) Abbotess | (b) Abbottee |
| (c) Abbess   | (d) Abbessy  |

14. Earl

- |              |                 |
|--------------|-----------------|
| (a) Roe      | (b) Ewe         |
| (c) Countess | (d) Enchantress |

15. Giant

- |                |               |
|----------------|---------------|
| (a) Giantess   | (b) She-Giant |
| (c) Lady-Giant | (d) Doe-Giant |

**DIRECTION:** (Questions 16 to 20): Identify the language of origin

16. Parenthesis, Parentheses

- |            |             |
|------------|-------------|
| (a) Greek  | (b) Italian |
| (c) Hebrew | (d) Latin   |

17. Memorandum, Memoranda

- |            |            |
|------------|------------|
| (a) French | (b) German |
| (c) Latin  | (d) Greek  |

18. Bandit, Banditti

- |            |              |
|------------|--------------|
| (a) French | (b) Italian  |
| (c) Arabic | (d) Sanskrit |

19. Technology, Technologies

- |            |            |
|------------|------------|
| (a) Greek  | (b) Latin  |
| (c) French | (d) German |

20. Seraph, Seraphim

- |              |             |
|--------------|-------------|
| (a) Albanian | (b) Chinese |
| (c) Hebrew   | (d) Greek   |

**DIRECTION:** (Questions 21 to 25): **Select the correct form of plural**

21. Commander-in-chief

- |                          |                         |
|--------------------------|-------------------------|
| (a) Commander-in-chiefs  | (b) Commanders-in-chief |
| (c) Commanders-in-chiefs | (d) Commander-in-chief  |

22. Looker-on

- |                |                 |
|----------------|-----------------|
| (a) Looker-ons | (b) Looker's-on |
| (c) Lookers-on | (d) Lookers-ons |

23. Man-of-war

- |                 |                 |
|-----------------|-----------------|
| (a) Mans-of-war | (b) Men-of-war  |
| (c) Man-of-wars | (d) Men-of-wars |

24. Passer-by

- |                |                 |
|----------------|-----------------|
| (a) Passers-by | (b) Passers-bys |
| (c) Passer-bys | (d) Passer-bies |

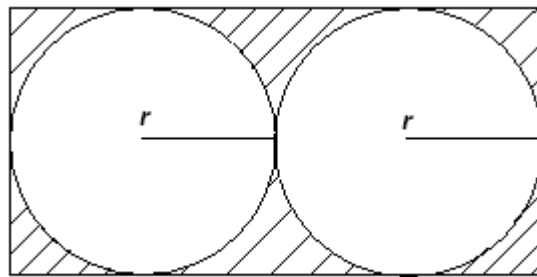
25. Maid-servant

- |                   |                    |
|-------------------|--------------------|
| (a) Maids-servant | (b) Maid-servant   |
| (c) Maid-servants | (d) Maiden-servant |

26. An equilateral triangle is cut from its three vertices to form a regular hexagon. What is the percentage of area?

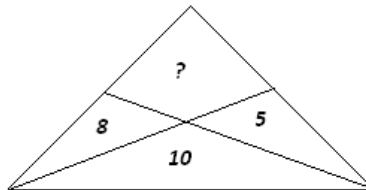
- |           |           |
|-----------|-----------|
| (a) 25.00 | (b) 33.33 |
| (c) 50.00 | (d) 66.66 |

27. A sells two types of sugar with labels 'S' and 'Q' so that both the sugars form a homogeneous mixture when mixed. He sells 'S' at Rs. 18 per Kg. and incurs a loss of 10% where as on selling 'Q' for Rs. 30 per Kg. , he gains 20%. How should he mix the dearer sugar so as to achieve 25% profit by selling the mixture at Rs. 27.5 per Kg.?
- (a) 1 : 2  
(b) 2 : 1  
(c) 2 : 3  
(d) 3 : 2
28. If  $f(x) = x^3 - x^2$  , then  $f(x+1)$  is
- (a)  $x(x+1)^2$   
(b)  $x^2(x+1)^2$   
(c)  $x^3 + x^2$   
(d)  $(x - 1)^3$
29. P is an integer. If  $(P - 7)$  is a multiple of 11, then the largest number that will always divide  $(P + 4)(P + 15)$  is
- (a) 11  
(b) 121  
(c) 242  
(d) None of these
30. If 9 programmers working 8 hrs a day can finish the coding of a project in 40 days, then how many days will be taken by 12 software engineers working 6 hrs a day to finish the coding of the project? It is known that 2 software engineers code as much as 3 programmers in the same time.
- (a) 25 days  
(b) 31 days  
(c) 36 days  
(d) 27 days
31. Find the largest five - digit number which when divided by 3,4,5,6 and 7 leaves the remainder 2, 3, 4, 5 and 6 respectively
- (a) 99960  
(b) 99979  
(c) 99539  
(d) 99959
32. Two identical circles are inscribed in a rectangle (as shown below) such that the circumference of the circle is numerically 4 times its area. What is the area of the shaded region?



- (a)  $(2 - \pi) / 4$   
(b)  $(1 - \pi) / 4$   
(c)  $(2 - \pi) / 2$   
(d)  $(4 - \pi) / 2$

33. Two palm trees on either bank of a river are 30 feet and 40 feet tall respectively. Each tree has a bird sitting on the top. A fish rises to the surface of the river at point A and both birds dive simultaneously at it, at the same speed, and reach the fish at the same instant. What is the ratio of the distance from point A to the shorter tree to that from point A to the taller tree?
- (a) 4 : 3  
(b) 2 : 1  
(c) 3 : 4  
(d) 1 : 2
34. A, B and C invest in a partnership in the ratio 6 : 11 : 26, find the ratio of their investment periods.
- (a) 4 : 1 : 2  
(b) 4 : 2 : 3  
(c) 5 : 1 : 3  
(d) 5 : 1 : 2
35. At what price should I buy a share whose value is Rs. 100 paying a dividend of 8%, so that my yield is 11%?
- (a) Rs. 70  
(b) Rs. 72  
(c) Rs. 75  
(d) Rs. 84
36. Let  $n$  be the number of different 4 digit numbers divisible by 3, formed with the digit 1, 2, 3, 4, 5 and 6 (repetition is allowed). What is the value of  $n$ ?
- (a) 194  
(b) 234  
(c) 432  
(d) 528
37. Five balls of different colours are to be placed in 3 boxes of different sizes. In how many different ways can we place the balls so that no box remains empty?
- (a) 60  
(b) 90  
(c) 120  
(d) 150
38. If  $p$  times the  $p^{\text{th}}$  term in an arithmetic progression is equal to  $q$  times the  $q^{\text{th}}$  term, what is the  $(p + q)^{\text{th}}$  term, where ' $p$ ' is not equal to ' $q$ '?
- (a)  $pq / (p + q)$   
(b) 0  
(c) 1  
(d)  $(p + q) / pq$
39. A triangle is divided into four parts by straight lines from two of the corners. The areas of the three triangular parts are 8, 5 and 10 sq. units. What is the area of the remaining part?



- (a) 48 sq. units  
(b) 22 sq. units  
(c) 50 sq units  
(d) 46 sq. units

40. A man willed his wife one-third of his estate and the remaining two-third to his son, should one be born, but in case of a daughter being born, two-third was to go the wife and one-third to his daughter. After the man's death, twins were born – a boy and a girl. The estate was divided as per the man's will by maintaining the proportion. What fraction of the total value did the daughter get?
- (a)  $1/5$  (b)  $1/7$   
(c)  $2/5$  (d)  $4/7$
41. In a rectangle with vertices A, B, C and D; BD is perpendicular to AD and AC is perpendicular to BC. If  $AD = BC = 15$  and  $AB = 25$ , then the area of the rectangle is
- (a) 225 (b) 400  
(c) 625 (d) None of these
42. The difference between the squares of the sum and the difference, of two distinct natural numbers is 144. Which of the following cannot be the sum of the digit of these two numbers?
- (a) 12 (b) 13  
(c) 20 (d) None of these
43. The numbers from 1 to 29 are written side by side as follows - 1234567891011.....2829. If the number is divided by 9, what is the remainder?
- (a) 3 (b) 1  
(c) 0 (d) None of these
44. Raju buys a car with a listed price of Rs. 4 Lakhs, but due to Raju's good relationship with the auto dealer he got two successive discounts of 10 % and 20 %. He spends 10% of the cost of the car on the accessories for the car. At what price should he sell the car to earn a profit of 20%?
- (a) Rs. 210416 (b) Rs. 380160  
(c) Rs. 410218 (d) Rs. 274140
45. For which of the following values  $y^4 - 10y^3 + 5y^2 + 100y + 100 = 0$ ?
- (a)  $(\sqrt{65} + 5) / 2$  (b)  $(\sqrt{65} - 5) / 2$   
(c)  $(\sqrt{13} + 5) / 2$  (d)  $(\sqrt{13} - 5) / 2$
46. The cost price of commodity A is Rs. 40 and the selling price of commodity B is Rs. 60. If the selling price of A and cost price of B are the same and if the gains percentage of A is 15%, determine the approximate percentage of gain for B.
- (a) -2.5 % (b) 30 %  
(c) -15 % (d) 40 %

47. A can do a piece of work in 40 days. He alone works at it for 8 days and then B comes and he alone completes the remaining work in 24 days. How long would they have taken to complete it together?

- (a)  $6\frac{1}{2}$  days (b) 15 days  
(c)  $11\frac{3}{7}$  days (d)  $\frac{120}{7}$  days

48. Consider an AP in which the sum of the first X consecutive terms is equal to the sum of the first Y consecutive terms. Calculate the sum of the first (X + Y) terms.

- (a) 0 (b) 1  
(c)  $(X + Y)/2$  (d) X + Y

49. Three numbers are such that the first number is half of the second number and the second number is one-third of the third number. Find the numbers if their LCM is 90.

- (a) 15, 30, 90 (b) 3, 6, 18  
(c) 15, 60, 90 (d) 15, 45, 90

50. Calculate the number of five digit numbers that can be formed such that at an even place there is an even number or a zero and at an odd place, there is an odd number. A digit may be used twice only.

- (a) 1000 (b) 2000  
(c) 3000 (d) None of these

**DIRECTION:** (Questions 51 to 53): Read the following information and answer the questions given below

- A, B, C, D, E, F and G are seven members standing in a row (not necessarily in the same order) facing north.
- C and B have as many members between them as G and C have between them.
- D, who is 3rd from the extreme left, is 3rd to the left of E.
- A and D are neighbours and F and C are neighbours.

51. Which of the following statements may be false?

- (a) A is the 3rd to the left of F (b) D is 3rd to the left of E  
(c) F is 3rd the right of (d) B is 3rd to the left of C

52. Which of the following statements is true?

- (a) C and E are neighbors  
(b) E is to the immediate left of F  
(c) C is to the immediate left of D  
(d) A is to the immediate left of D



53. Who is at the extreme right?

- (a) Data Inadequate (b) G  
(c) B (d) A

54. Four of the following five groups of letters are alike in some way while one is different. Find out which one is different.

- (a) ISLOJ (b) LUOQM  
(c) AKDGB (d) FPILG.

55. Below are given six three-digit numbers. The digits comprise of numbers and letters. The letter indicates its serial order in the English alphabet. What will be the middle digit of the fourth number when the numbers are arranged in the descending order after interchanging numeric in each number without altering the place of letter in the number?

19F, 2H9, 98B, D76, 7A6, 61E

- (a) 8 (b) 9  
(c) 6 (d) None of these

56. If each of the vowels i.e. A, E, I, O, & U along with the third letter to its right in the alphabet are taken out and arranged one after the other in the same order followed by the remaining letters of the alphabet, which of the following will be fifth to the left of the nineteenth letter from the left in the new arrangement?

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

- (a) G (b) H  
(c) J (d) W

57. Four of the following five have similar relationship and hence form a group. Which one does not belong to the group?

- (a) BROTHER : DORVEHT (b) ENGLISH : GGNNSIJ  
(c) ANOTHER : CONVEHT (d) BETWEEN : DTEZEEP

58. In an office having 55 employees' men out number the women by 15. How many women are working in that office?

- (a) 30 (b) 20  
(c) 40 (d) 50

**DIRECTION** (Questions 59 & 60): **One of the words given in the alternatives cannot be formed by using the letters given in the question. Find out that word.**

59. ENCOURAGE

- (a) ANGER (b) GREEN  
(c) USAGE (d) COURAGE

## 60. INTRANSIGENT

- |            |           |
|------------|-----------|
| (a) STAIN  | (b) TRAIN |
| (c) RESIGN | (d) TRACE |

**DIRECTION** (Questions 61 to 65): **Study the following information carefully and answer the questions given below:**

The numbers 0 to 9 are coded in the following manner considering the exceptions given below:

3697028154  
HPVSGDJKMR

*Exception 1:* If a number starts and ends with a non-zero odd number then the first and the last digits should be coded as X and Z.

*Exception 2:* If a number starts and ends with a non-zero even number then the first and the last digits should be coded as A and B respectively.

61. What is the code for 5 2 1 8 6 3?

- |            |            |
|------------|------------|
| (a) MDKJPH | (b) ZDKJPX |
| (c) XDKJPZ | (d) ADKJPB |

62. What is the code for 492310?

- |            |            |
|------------|------------|
| (a) RVDHKG | (b) AVDHKB |
| (c) VRDKHG | (d) BVDHKA |

63. Which of the following numbers is represented by ASGHKB?

I. 670312    II. 470313    III. 270318

- |                     |                   |
|---------------------|-------------------|
| (a) Only I and III  | (b) Only I and II |
| (c) Only II and III | (d) I, II and III |

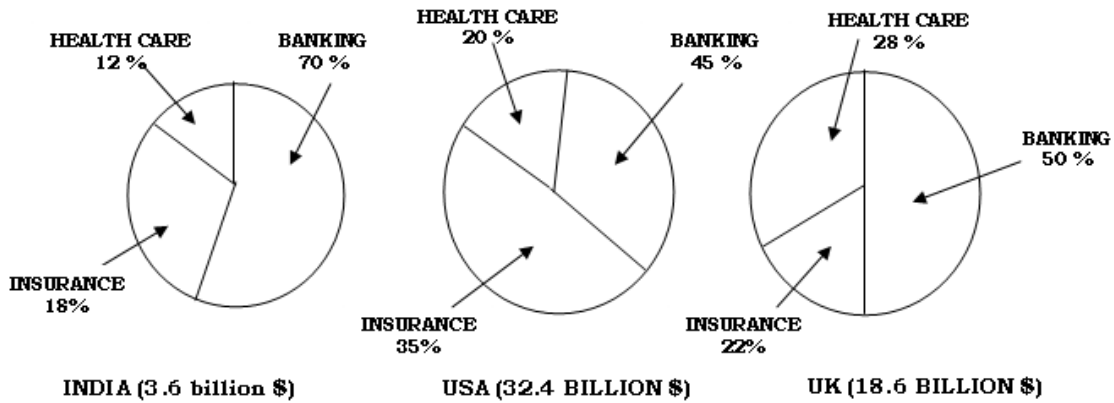
64. What is the code for 3186452?

- |             |             |
|-------------|-------------|
| (a) HKJDMRP | (b) KHPJMRD |
| (c) DMRPHKJ | (d) HKJPRMD |

65. Which of the following numbers is represented by DPJRSV?

- |            |            |
|------------|------------|
| (a) 628794 | (b) 268479 |
| (c) 246793 | (d) 168359 |

**DIRECTION** (Questions 66 to 69): **The pie charts given below give the spending on services in three countries viz. India, UK, USA. Study the information and answer the questions.**



- 66.** What is the total amount spent on insurance by the three companies (in billion \$)?
- (a) 15.94 (b) 16.08  
(c) 16.71 (d) 17.2
- 67.** The spending on banking in UK is how much percent more than the spending on banking in India?
- (a) 254 % (b) 265 %  
(c) 269 % (d) 271 %
- 68.** What is the ratio of health care spending in U.S.A to health care spending in India?
- (a) 13 (b) 14  
(c) 15 (d) 16
- 69.** It is estimated that Indians will triple their spending on health care next year, and will spend four times more on baking and insurance. What will be the percentage spent on health care next year?
- (a) 8.7 % (b) 9.3 %  
(c) 9.1 % (d) None of these
- 70.** Four of the following five are alike in a certain way and hence form a group. Which one of the following does not belong to that group?
- (a) 21 (b) 35  
(c) 49 (d) 63
- 71.** P is heavier than Q but lighter than R. Q is heavier than T. S is heavier than P but lighter than V. Who among them is the lightest?
- (a) V (b) S  
(c) T (d) R

72. In a certain code language, the word ENQUIRY is written as YRIUQNE. How will the word REQUIRE be written in the code language?
- (a) QERUERI (b) REQUERI  
(c) ERIUQER (d) IREUQER
73. In a certain code language DESERT is written RTSEDE. How will the word FAULTS be written in that code language?
- (a) TSULFA (b) AFLUST  
(c) LUAFST (d) UAFSTL
74. Neena, who is Vivek's daughter, says to Deepa, "Your mother Ritu is the younger sister of my father, who is the third child of Sham Lal". How is Sham Lal related to Deepa?
- (a) Uncle (b) Father  
(c) Grandfather (d) Father-in-law
75. Four of the following five are alike in a certain way and hence form a group. Which one of the following does not belong to that group?
- (a) 63 (b) 64  
(c) 39 (d) 79
76. Indian Standard Time (IST) is ahead of Greenwich Mean Time (GMT) by
- (a) 3½ hours (b) 4½ hours  
(c) 5½ hours (d) None of these
77. Thomas Alva Edison founded this Company. Name it.
- (a) General Electrical Company (b) General Electric  
(c) General Telegraphic (d) None of these
78. The Film which won the 4P's Business Marketing & Advertising Power Awards, 2009 for the 'Best Marketed Film of the Year' is
- (a) Rock On (b) Tashaan  
(c) Slumdog Millionaire (d) None of these
79. With which sport is *Saina Nehwal* associated?
- (a) Lawn Tennis (b) Chess  
(c) Badminton (d) None of these
80. Mr. Mahadev Deka was recently crowned Mr. Universe. In which weight category?
- (a) Heavy Weight (b) Bantam Weight  
(c) Light Weight (d) None of these

81. Which fielder in Test Cricket holds the record for taking the maximum number of catches?
- (a) Mark Waugh (b) Rahul Dravid  
(c) Sunil Gavaskar (d) Sachin Tendulkar
82. He is Congress Party's Chief Whip in the Lok Sabha. Who?
- (a) P S Ghatowar (b) B K Handique  
(c) Deep Gogoi (d) None of these
83. A path breaking Bollywood film made its way into a NCERT Book for *Creative Writing and Translation*, an elective subject for Class XI students. Name the film.
- (a) Delhi 6 (b) Taare Zameen Par  
(c) Khosla ka Ghosla (d) None of these
84. This was officially selected as the One Millionth word of the English Language. Name it.
- (a) Web 2.0 (b) Slumdog  
(c) Jai Ho (d) None of these
85. Which is Assam's first Management Institute / University Department?
- (a) Department of Business Administration, Gauhati University  
(b) Department of Business Administration, Tezpur University  
(c) Assam Institute of Management  
(d) None of these
86. The upper mountain course of the Brahmaputra is known as
- (a) Brahmagiri (b) Manas  
(c) Tsangpo (d) Teesta
87. The World Trade Organisation (WTO) came into being in
- (a) 1990 (b) 1993  
(c) 1995 (d) 1997
88. In night vision equipments, which of the following is used?
- (a) Radio waves (b) Microwaves  
(c) Infrared (d) None of these
89. *Do or Die* is associated with
- (a) Swadeshi Movement (b) Quit India Movement  
(c) Non-cooperation Movement (d) None of these
90. *WiMAX* is related to
- (a) Biotechnology (b) Space Technology  
(c) Communication Technology (d) Missile Technology

91. This was officially selected as the One Millionth word of the English Language. Name it.
- (a) Web 2.0 (b) Slumdog  
(c) Jai Ho (d) None of these
92. GPRS stands for
- (a) General Packet Radio Service  
(b) General Powered Radio Service  
(c) General Powered Radio System  
(d) Global Packet Radio Service
93. It is India's Most Valuable Public Sector Company. Name it.
- (a) ONGC (b) MMTC  
(c) NTPC (d) BSNL
94. The Great Indian Bustard is found in
- (a) Assam (b) Madhya Pradesh  
(c) Himachal Pradesh (d) Rajasthan
95. CPM has ruled West Bengal for
- (a) 31 years (b) 32 years  
(c) 33 years (d) 34 years
96. Muhammad Hamdullah Sayeed is known because
- (a) He is P M Sayeed's son  
(b) He represents Lakshwadeep  
(c) He is Lok Sabha's youngest MP  
(d) All of the above
97. Bee Keeping is also known as
- (a) Sericulture (b) Apiculture  
(c) Beeculture (d) None of these
98. The first Viceroy & the Governor General of India was
- (a) Lord Dalhousie (b) Sir John Lawrence  
(c) Warren Hastings (d) Lord Mountbatten
99. He received the *Orange Cap* in IPL II. Name this cricketer.
- (a) Adam Gilchrist (b) Virat Kohli  
(c) Mathew Hayden (d) R P Singh
100. With what is *Deming Award* associated?
- (a) ISO 9000 (b) Productivity  
(c) Quality Management (d) None of these