

## POST GRADUATE COMMON ENTRANCE TEST-2018

| DATE                   |  | COURSE         |                            | TIME                 |
|------------------------|--|----------------|----------------------------|----------------------|
| 15-07-2018             |  | MBA            |                            | 02.30 pm to 04.30 pm |
| MAXIMUM MARKS          |  | TOTAL DURATION | MAXIMUM TIME FOR ANSWERING |                      |
| 100                    |  | 150 Minutes    | 120 Minutes                |                      |
| MENTION YOUR PGCET NO. |  |                | QUESTION BOOKLET DETAILS   |                      |
|                        |  |                | VERSION CODE               | SERIAL NUMBER        |
|                        |  |                | A                          | 134693               |

### DOs :

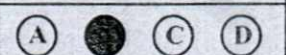
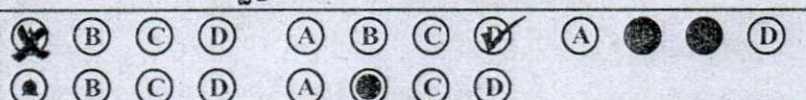
1. Candidate must verify that the PGCET number & Name printed on the OMR Answer Sheet is tallying with the PGCET number and Name printed on the Admission Ticket. Discrepancy if any, report to invigilator.
2. This question booklet is issued to you by the invigilator after the 2<sup>nd</sup> bell i.e., after 2.25 p.m.
3. The Version Code of this Question Booklet should be entered on the OMR Answer Sheet and the respective circle should also be shaded completely.
4. The Version Code and Serial Number of this question booklet should be entered on the Nominal Roll without any mistakes.
5. Compulsorily sign at the bottom portion of the OMR answer sheet in the space provided.

### DON'Ts :

1. The timing and marks printed on the OMR answer sheet should not be damaged / mutilated / spoiled.
2. The 3<sup>rd</sup> Bell rings at 2.30 p.m., till then;
  - Do not remove the paper seal / polythene bag present on the right hand side of this question booklet.
  - Do not look inside this question booklet.
  - Do not start answering on the OMR answer sheet.

### IMPORTANT INSTRUCTIONS TO CANDIDATES

1. This question booklet contains 100 (items) questions and each question will have one statement and four answers. (Four different options / responses.)
2. After the 3<sup>rd</sup> Bell is rung at 2.30 p.m., remove the paper seal / polythene bag on the right hand side of this question booklet and check that this booklet does not have any unprinted or torn or missing pages or items etc., if so, get it replaced by a complete test booklet. Read each item and start answering on the OMR answer sheet.
3. During the subsequent 120 minutes:
  - Read each question (item) carefully.
  - Choose one correct answer from out of the four available responses (options / choices) given under each question / item. 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 item.
  - **Completely darken / shade the relevant circle with a BLUE OR BLACK INK BALL POINT PEN** against the question number on the OMR answer sheet.

| ಸರಿಯಾದ ಕ್ರಮ<br>CORRECT METHOD   | ತಪ್ಪು ಕ್ರಮಗಳು WRONG METHODS  |
|---|--|
|  |  |

4. Use the space provided on each page of the question booklet for Rough Work. Do not use the OMR answer sheet for the same.
5. After the last Bell is rung at 4.30 pm, stop marking on the OMR answer sheet and affix your left hand thumb impression on the OMR answer sheet as per the instructions.
6. Handover the OMR ANSWER SHEET to the room invigilator as it is.
7. After separating the top sheet (KEA copy), the invigilator will return the bottom sheet replica (Candidate's copy) to you to carry home for self-evaluation.
8. Preserve the replica of the OMR answer sheet for a minimum period of ONE year.

#### Marks Distribution

|        |   |   |  |
|--------|---|---|--|
| PART-1 | : | (SECTION-A) 25 QUESTIONS : 25 × 1 = 25; | (SECTION-B) 25 QUESTIONS : 25 × 1 = 25 |
| PART-2 | : | (SECTION-C) 25 QUESTIONS : 25 × 1 = 25; | (SECTION-D) 25 QUESTIONS : 25 × 1 = 25 |

MBA - A



CONFIDENTIAL



**MBA**  
**PART – 1**  
**SECTION – A**  
**PROFICIENCY IN ENGLISH LANGUAGE**  
**Each question carries one mark**

**Directions (Q Nos. 1 to 5) :** Each question is followed by four alternatives. Select the most appropriate one which is the closest in meaning to the given word.

1. CRYPTIC
  - (A) Puzzle
  - (B) Silence
  - (C) Precise
  - (D) Vault
  
2. BEGUILE
  - (A) To charm
  - (B) To become shy
  - (C) To flatter
  - (D) To smile at
  
3. GARRULOUS
  - (A) Informative
  - (B) Quiet
  - (C) Reticent
  - (D) Reserved
  
4. FLIMSY
  - (A) Firm
  - (B) Durable
  - (C) Tenacious
  - (D) Transparent
  
5. HAGGARD
  - (A) Active
  - (B) Lean
  - (C) Robust
  - (D) Lively

**Directions (Q Nos. 6 to 9) :** Select from the alternatives the word which is opposite in meaning to the word given in capital letters :

6. ASTUTE
  - (A) Ignorant
  - (B) Intelligent
  - (C) Dull
  - (D) Solid
  
7. BARBAROUS
  - (A) Polite
  - (B) Untamed
  - (C) Brutal
  - (D) Gentle
  
8. FANATICAL
  - (A) Generous
  - (B) Stubborn
  - (C) Biased
  - (D) Orthodox
  
9. QUIESCENT
  - (A) Active
  - (B) Dormant
  - (C) Weak
  - (D) Unconcerned

Space For Rough Work

**Directions (Q Nos. 10 to 13) :** Out of four given alternatives, choose the one which can be substituted for the given word or phrase.

10. A person of obscure position who has gained wealth but not social acceptance
- (A) Extravagant
  - (B) Promiscuous
  - (C) Parvenu
  - (D) Sumptuary
11. A group of three powerful people
- (A) Trio
  - (B) Tritium
  - (C) Trivet
  - (D) Triumvirate
12. Chanting of Magic spells
- (A) Narration
  - (B) Recitation
  - (C) Incantation
  - (D) Utterance
13. Hard to please
- (A) Loquacious
  - (B) Stubborn
  - (C) Fastidious
  - (D) Epicurean

**Directions (Q Nos. 14 to 17) :** Choose the alternative word which best expresses the meaning of the idiom or phrase underlined.

14. Hard of Hearing
- (A) Inaudible
  - (B) Disinterested
  - (C) Deaf
  - (D) Insensitive
15. Lynch Law
- (A) Law of the Parliament
  - (B) Law of the Mob
  - (C) Law of Constitution
  - (D) Law of the Business World
16. Chewing the Cud
- (A) Accusing another
  - (B) Crying over spilt milk
  - (C) Forgetting things
  - (D) To think carefully
17. Call one's shot
- (A) To make one's intention clear
  - (B) Call with a shot
  - (C) Shot at a call
  - (D) To show determination

Space For Rough Work

**Directions (Q Nos. 18 to 21) :** Choose the odd word from the following group of words.

18. (A) Revenue  
(B) Income  
(C) Expenditure  
(D) Receivables
19. (A) Precarious  
(B) Unwavering  
(C) Unsteady  
(D) Wobbly
20. (A) Agility  
(B) Dexterity  
(C) Ineptitude  
(D) Adroitness
21. (A) Democracy  
(B) Voting  
(C) Monarchy  
(D) Dictatorship

**Directions (Q. Nos. 22 to 25) :** Fill in the blanks with appropriate word.

22. Walking at three o'clock, I heard the \_\_\_\_\_ of thunder.  
(A) rumble  
(B) view  
(C) crackle  
(D) clank
23. He didn't have the \_\_\_\_\_ idea of the villager's problem.  
(A) smallest  
(B) finest  
(C) faintest  
(D) feeblest
24. You need \_\_\_\_\_ shoes for walking on the hills.  
(A) good  
(B) comfortable  
(C) satisfactory  
(D) sturdy
25. 'The Chalk Man' is the very best kind of Suspense Novel is written by \_\_\_\_\_  
(A) Lenny Quintana  
(B) C.J. Tudor  
(C) Laura Marshall  
(D) Audur Ava

Space For Rough Work

**SECTION – B**  
**GENERAL KNOWLEDGE**

26. Which one of the following company was ordered to be shut-down by the Government of Tamil Nadu ?
- (A) Sterilite Copper Company
  - (B) Tholanger Copper Mines Ltd.
  - (C) Vedanta Resources Ltd.
  - (D) Sesa Sterlite
27. Which of the following is the basis for determining 'monopoly' status of a business by Competition Commission ?
- (A) Size of the company
  - (B) Size of the market
  - (C) Expenditure on advertising
  - (D) Market share of the company
28. Tata Teleservices is acquired by
- (A) Jio
  - (B) Airtel
  - (C) Idea
  - (D) Vodafone
29. Monetary policy refers to the policy relating to
- (A) Money supply
  - (B) Money supply and cost of credit
  - (C) Printing currency notes
  - (D) Demonetization
30. India's oldest iron and steel plant is at
- (A) Durgapur
  - (B) Bhilai
  - (C) Jamshedpur
  - (D) Salem
31. Which of the following agency has the power to declare any company as a 'sick' ?
- (A) RBI
  - (B) MRTPC
  - (C) NCLT
  - (D) BIFR
32. Who is the CEO of Google Inc. ?
- (A) Sundar Pichai
  - (B) Satyam Nadella
  - (C) Larry Page
  - (D) Sergey Brin
33. 'Mann-ki-bat' is radiocast on
- (A) Last Sunday of every month
  - (B) Second Sunday of every month
  - (C) First Sunday of every month
  - (D) Last Saturday of every month

Space For Rough Work

34. Which of the following is 'green field investment' ?  
(A) Expansion of an existing FDI  
(B) New foreign institutional investment  
(C) Private equity investments  
(D) Setting up of a new business unit by a foreign company
35. Which country launched air strikes against Syria recently ?  
(A) Russia  
(B) Israel  
(C) U.S.A.  
(D) France
36. 'Ayushman' is related to  
(A) Health Insurance  
(B) Unemployment Insurance  
(C) Welfare of the Aged  
(D) Ayurvedic Health System
37. Geographical Appellation links an item to its  
(A) Place of origin  
(B) Unique features  
(C) Brand image  
(D) Export potential
38. How many satellites were launched by ISRO in One Rocket recently ?  
(A) 54  
(B) 75  
(C) 104  
(D) 110
39. 'Maharatna' is a title given to a public enterprise to denote  
(A) its size  
(B) its brand image  
(C) its turnover  
(D) the Autonomy
40. Who is the richest man in the world ?  
(A) Bill Gates  
(B) Jeff Bezos  
(C) Warren Buffet  
(D) Mark Zuckerberg
41. 'Horn-bill' festival is celebrated in which of the following states of India ?  
(A) Nagaland  
(B) Mizoram  
(C) Assam  
(D) Meghalaya

Space For Rough Work

42. Dada Saheb Phalke Award is in the field of  
(A) Dance  
(B) Music  
(C) Instrumental Music  
(D) Cinema
43. Each year 'Vgadi' (The new year festival of Karnataka) occurs after approximately  
(A) 6 weeks after 'Mahashivaratri'  
(B) 15 days after Sankranthi  
(C) 4 weeks after Mahashivarathri  
(D) 3 weeks after Mahashivarathri
44. Where was The Indus Valley Civilization first noticed?  
(A) Harappa Mohenjodaro  
(B) Dholavira  
(C) Lothal  
(D) Ropar
45. The new 'Nalanda' university is located in  
(A) New Delhi  
(B) Mumbai  
(C) Patna  
(D) Lucknow
46. 'New Year' celebration in Kerala is known as  
(A) Onam  
(B) Vishu  
(C) Pongal  
(D) Ugadi
47. Which traditional festival in Karnataka was banned by the Supreme Court?  
(A) Jellikattu  
(B) Kambala  
(C) Kodial Theru  
(D) Vallam Kali
48. The interest on provident fund in India for 2017-18 is  
(A) 9.0%  
(B) 8.10%  
(C) 7.3%  
(D) 8.55%
49. Which one of the following body regulates securities trading in India?  
(A) RBI  
(B) SBI  
(C) SEBI  
(D) CCI
50. How many megabytes are there in 1 Gigabyte?  
(A) 750                      (B) 1000  
(C) 1024                    (D) 2000

Space For Rough Work

**PART - 2**

**Each question carries one mark**

**SECTION - C**

**TEST OF REASONING AND GENERAL INTELLIGENCE**

51. 10, 5, 13, 10, 16, 20, 19,     ? .  
What will come in the place of question mark (?)
- (A) 22  
(B) 40  
(C) 38  
(D) 23

52. Look carefully for the pattern and then choose which pair of numbers comes next 9, 16, 23, 30, 37, 44, 51, \_\_\_\_\_
- (A) 59, 66  
(B) 56, 62  
(C) 58, 66  
(D) 58, 65

53. Supply the right letter for question mark (?) in the following question :  
W T P M I F B ?
- (A) W  
(B) P  
(C) F  
(D) Y

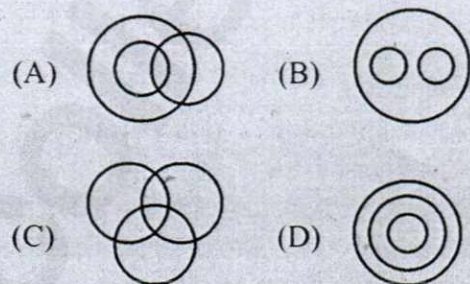
54. Find the missing number in the following table :

|    |   |    |
|----|---|----|
| 2  | 4 | 0  |
| 1  | 2 | 4  |
| 3  | 1 | 3  |
| 36 | ? | 91 |

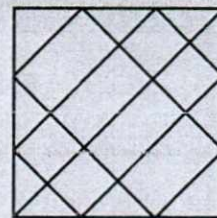
- (A) 25  
(B) 59  
(C) 48  
(D) 73

55. Question contains three elements. These elements may or may not have some inter linkage. Each group of elements may fit into one of these diagrams at A, B, C, D and / or E. Indicate the group of elements which correctly fits into the diagram :

Women, Mothers and Engineers



56. Find the number of triangles in the given figure :



- (A) 28  
(B) 32  
(C) 36  
(D) 40

57. Find the odd one out from the given alternatives

- (A) Tomato  
(B) Cucumber  
(C) Brinjal  
(D) Carrot

**Space For Rough Work**

58. 6969966676979669779667  
How many 9's are sandwiched between 6 and 7 ?  
(A) 2 (B) 3  
(C) 4 (D) 1
59. How many such pairs of digits are there in the number 421579368 each of which has as many digits between them in the number as when they are arranged in ascending order ?  
(A) None (B) One  
(C) Two (D) Three
60. Seismography : Earthquake ::  
Tascometer : \_\_\_\_\_ ?  
(A) Landslides (B) Strains  
(C) Resistances (D) Volcanoes
61. Some girls are sitting in three rows and all are facing North such that 'A' is in the middle row. 'P' is just to the right of 'A' but in the same row. 'Q' is just behind of 'P' while 'R' is in the North of 'A'. In which direction of 'R' is 'Q' ?  
(A) South (B) South-West  
(C) North-East (D) South-East
62. If  $P + Q$  means P is the brother of Q,  $P \times Q$  means P is the wife of Q and  $P \% Q$  means P is the daughter of Q then which of the following means D is the uncle of A ?  
(A)  $A \% B \times C + D$   
(B)  $A \times B + C \% D$   
(C)  $A + C \% B \times D$   
(D) None of these
63. Arjun went 15 kms to the West from my house, then turned left and walked 20 kms. He then turned East and walked 25 kms and finally turning left covered 20 kms. How far was he from his house ?  
(A) 10 kms (B) 20 kms  
(C) 30 kms (D) 40 kms
64. If 'FRIIHH' stands for 'COFFEE' how will you write 'NOODLES' ?  
(A) RSSHPIW (B) PQQFNGU  
(C) QRRGOHV (D) SELDOON
65. Irritant : Annoyance :: \_\_\_\_\_ : \_\_\_\_\_  
(A) Stimulus : incitement  
(B) Soporific : sanctification  
(C) Caustic : invigorate  
(D) Repercussion : inhibition
66.  $(51 + 52 + 53 + \dots + 100)$  is equal to  
(A) 3775 (B) 3757  
(C) 5737 (D) 3755
67. Choose the word which expresses the meaning of the given word :  
INTIMIDATE  
(A) To hint (B) Frighten  
(C) Bluff (D) Harass
68. In a certain code PAPER is written as SCTGW, how is MOTHER written in that code  
(A) POXJJT (B) ORVLGW  
(C) PQXKJV (D) PQVJGT
69. In a certain code REASON is written as 621754 and TRUTH as 86983. Find out the code for TREASON.  
(A) 7548261 (B) 8621754  
(C) 7452861 (D) 2865614

Space For Rough Work

70. A man wears socks of two colours Black and Brown. He has altogether 20 black socks and 20 brown socks in a drawer. Supposing he has to take out the socks in the dark, how many must he take out to be sure that he has a matching pair ?
- (A) 3                      (B) 20  
(C) 39                     (D) 6

**Directions (Q. Nos. 71 and 72) :** In each of the following questions, a statement is given followed by two conclusions. Choose the best answer from the given choices.

71. **Statement :** Morning walks are good for health.

**Conclusion :**

- I. All healthy people go for morning walks.  
II. Evening walks are harmful.

- (A) Conclusion I follows.  
(B) Only Conclusion II follows.  
(C) Either I or II follows.  
(D) Both I and II follow.

72. **Statement :** A large majority of the work force in India is unorganized. Most of them earn either the minimum or uncertain wages while others are engaged in sundry jobs.

**Conclusion :**

- I. The workers in an organized sector get better facilities and stay longer in their jobs.  
II. Some workers in the unorganized sector of the work force have a regular and fixed income.

- (A) Only Conclusion I follows.  
(B) Only Conclusion II follows.  
(C) Either I or II follows.  
(D) Neither I nor II follows.

**Directions (Q. Nos. 73 and 74) :** There is a group of five persons A, B, C, D, E. One of them is horticulturist, another physicist, another journalist, another industrialist and the last one is an advocate.

- A, C and the advocate prefer tea to coffee.
- B and the journalist prefer coffee to tea.
- The industrialist and D and A are friends of one another.
- The horticulturist is C's brother.
- Horticulturist is neither the friend of A nor likes tea or coffee.
- Physicist is the friend of A but does not like coffee.
- Advocate is not a friend of A.

Analyse the above information and answer the questions.

73. Who is the Physicist ?

- (A) C                      (B) D  
(C) A                     (D) E

74. Which of the following includes the person who likes tea and is also the advocate ?

- (A) DE                    (B) BC  
(C) AC                    (D) BD

75. The letters of the following words are jumbled. Rearrange and then point out which word does not belong to the class of animals or colours.

- (A) SLINESO  
(B) RIGET  
(C) WELYOL  
(D) ONIPA

Space For Rough Work

**SECTION – D**  
**TEST OF QUANTITATIVE ABILITY**

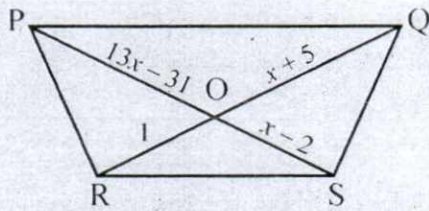
76. P is X% more than Q. Q is  $(X - 10)\%$  less than R. If  $P > R$ , what is the range of values X can take ?  
 (A) 10% to 28%  
 (B) 10% to 25%  
 (C) 10% to 37%  
 (D) 10% to 43%
77. A earns 25% more than B, C earns 25% more than A. A earns 20% more than D. E earns 20% more than A. A, B, C, D and E earn integer amounts less than ₹ 100. What is the total amount earned by all five of them put together ?  
 (A) ₹ 300  
 (B) ₹ 245  
 (C) ₹ 305  
 (D) ₹ 480
78. On a certain sum of money, compound interest earned at the end of three years is ₹ 1456. Compound interest at the end of two years is ₹ 880. Compute the principal invested.  
 (A) ₹ 2,400  
 (B) ₹ 2,800  
 (C) ₹ 2,000  
 (D) ₹ 1,600
79. Two friends A and B simultaneously start running around a circular track. They run in the same direction. A travels at 6 m/s and B at b m/s. If they cross each other at exactly two points on the circular track and b is a natural number less than 30, how many values can b take ?  
 (A) 3  
 (B) 4  
 (C) 7  
 (D) 5
80. Car A trails car B by 50 mts. Car B travels at 45 km/hr. Car C travels from the opposite direction at 54 km/hr. Car C is at a distance of 220 mts from car B. If car A decides to overtake car B before car B and C cross each other. What is the minimum speed at which car A must travel ?  
 (A) 36 km/hr  
 (B) 67.5 km/hr  
 (C) 45 km/hr  
 (D) 18 km/hr
81. The ratio of a two-digit natural number to a number formed by reversing its digits is 4 : 7. Which of the following is the sum of all the numbers of all such pairs ?  
 (A) 99  
 (B) 330  
 (C) 198  
 (D) 132

Space For Rough Work

82. In a class of 5 students, average weight of the 4 lightest students is 40 kgs. Average weight of 4 heaviest students is 45 kgs. What is the difference between the maximum and minimum possible average weight overall ?
- (A) 2.8 kgs  
(B) 3.2 kgs  
(C) 4 kgs  
(D) 3 kgs
83. 40% of a club's revenue comes from people of 25 years of age while 60% of its revenue comes from people of 35 years of age. If the club raises its fee by 20% for its 25 years old members and 30% for 35 years old members, what is the percentage increase in overall revenue of the club ?
- (A) 25%  
(B) 26%  
(C) 24%  
(D) 23%
84. If  $\log_2 x + \log_4 x = \log_{0.25} \sqrt{6}$  and  $x > 0$ , the  $x$  is
- (A)  $6^{-\frac{1}{6}}$   
(B)  $6^{\frac{1}{6}}$   
(C)  $3^{-\frac{1}{3}}$   
(D)  $6^{\frac{1}{3}}$
85. A, B and C are to make 100 toys. In a day, they can together make 25 toys. A starts to work alone and makes 32 toys in some days. A then leaves and B and C works to make the remaining toys. It takes 8 days overall to make the 100 toys. How many days will it take for A to make 256 toys alone ?
- (A) 16 days  
(B) 32 days  
(C) 64 days  
(D) 30 days
86. Sides of a triangle are 6, 10 and  $x$  what value of  $x$  is the area of the triangle the maximum ?
- (A) 8 cms  
(B) 9 cms  
(C) 12 cms  
(D) None of these
87. What is the distance between the orthocentre and the circumcenter of a triangle who sides measure 24 cm, 26 cms and 10 cms ?
- (A) 13 cms  
(B) 12 cms  
(C) 7.5 cms  
(D)  $\sqrt{30}$  cms

Space For Rough Work

88. If  $PQ \parallel RS$ , find the value of  $x$



- (A) 7  
 (B) 3  
 (C) Both (A) and (B)  
 (D) None of these
89. What is the equation of a set of points equidistant from the lines  $y = 5$  and  $x = -4$ ?
- (A)  $x + y = -1$   
 (B)  $x - y = -1$   
 (C)  $-x + y = -1$   
 (D)  $x + y = 1$
90. A seven-digit number comprises of only 2's and 3's. How many of these are multiples of 12?

- (A) 11  
 (B) 10  
 (C) 12  
 (D) 22

91.  $2a + 5b = 103$ . How many pairs of positive integer values can  $a, b$  take such that  $a > b$ ?

- (A) 9  
 (B) 7  
 (C) 14  
 (D) 15

92. Find 3 digit numbers such that product of their digits is a natural number less than 5.

- (A) 11  
 (B) 15  
 (C) 13  
 (D) 17

93. In how many ways can 6 boys be allotted into 5 rooms such that no room is empty and all 6 boys are accommodated?

- (A)  $6 * 5!$  ways  
 (B)  $7 * 5!$  ways  
 (C)  $3 * 3!$  ways  
 (D)  $15 * 5!$  ways

94. Sum of three natural numbers  $a, b$  and  $c$  is 10. How many ordered triplets  $(a, b, c)$  exist?

- (A) 45  
 (B) 36  
 (C) 54  
 (D) 28

Space For Rough Work

95. What is the ratio in which water should be mixed with a coke concentrate costing ₹ 15/litre to make a profit of 30% by selling the resultant drink at ₹ 18/litre ?
- (A) 12 : 1  
(B) 11 : 1  
(C) 1 : 10  
(D) 1 : 12
96. From the digits 2, 3, 4, 5, 6 and 7, how many 5-digit numbers can be formed that have distinct digits and multiple of 12 ?
- (A) 36  
(B) 60  
(C) 84  
(D) 72
97. A bag contains 4 red and 3 black balls. A second bag contains 2 red and 3 black balls. One bag is selected at random. If from the selected bag one ball is drawn, then what is the probability that the ball drawn is red ?
- (A) 3970  
(B) 4170  
(C) 2970  
(D) 1735
98. The total cost of 2 pencils, 5 erasers and 7 sharpeners is ₹ 30, while 3 pencils and 5 sharpeners cost ₹ 15 more than 6 erasers. By what amount does the cost of 39 erasers and 1 sharpener exceed the cost of 6 pencils ?
- (A) 20  
(B) 30  
(C) It does not exceed  
(D) Cannot be determined
99. What is the remainder when  $7^{700}$  is divided by 100 ?
- (A) 1  
(B) 61  
(C) 41  
(D) 21
100. If  $N = 888 \dots\dots\dots$  upto 100 digits, what is the remainder when  $N$  is divided by 625 ?
- (A) 128  
(B) 138  
(C) 338  
(D) 388

Space For Rough Work

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