

MFC Entrance Test

January 20, 2008

Bird's Eye View

Total Number of Questions	:	240
Total Time	:	120 minutes
The Marking Scheme	:	One Mark for each correct answer and – 0.25 mark for wrong answers.
Number of Options	:	4
Number of Sections	:	No sections. But the questions from same area were together.
Overall Difficulty	:	Easy to Moderate
Topicwise Breakup	:	Topicwise breakup

S. No.	Topic	No. of Questions	Marks	Overall Difficulty level	Suggested time	Ideal Attempts
1	General Awareness related to Business and Finance	60	60	Moderate to tough	15 min.	30 +
2	Reading Comprehension and English Usage	60	60	Easy	30 min.	42 +
3	Mathematical Aptitude	60	60	Easy to Moderate	35 min.	45 +
4	Data Sufficiency	20	20	Easy	15 minutes	18 +
5	Data Interpretation	20	20	Easy	15 minutes	18 +
6	Logical Reasoning	20	20	Moderate	10 minutes	15 +
	Total	240	240	Moderate	120 minutes	168 +

Overall Cut-Off : 130 + marks

We are please to present you the detailed analysis of Master of Finance & Control (MFC) entrance test held on 20th January 2008. As declared in brochure, the test paper had total 240 questions to be solved in a time span of 120 minutes with one mark allotted for each correct answer and – 0.25 marks allotted for each wrong answer marked.

Although there were no sections in the paper, but the questions from same area were together. The first 60 questions were on General Awareness related to Finance and Business. After that there were 60 questions on Reading Comprehension (RC) and English Usage (EU) followed by 60 questions each on Mathematical Aptitude (MA) and Data Sufficiency (DS), Data Interpretation (DI) & Logical Reasoning (LR). The topicwise detailed analysis as follows

General Awareness

There were total 60 questions on General Awareness. The questions were related Business and Finance. At least 15 to 17 questions were there which an average student can also marked correctly. We have also recognised the source of the some of the questions asked (<http://www.rediff.in/money/2004/feb/11quiz.htm>).

An attempt of 30 + will be sufficient from these questions. Some of the recalled questions are as follows.

- Q. In a historic decision a company lost anti-trust appeal in the EU against a record 690 million dollars in a long running competition dispute. Which company was involved in the issue?
- Q. A stock exchange or share market is a corporation or mutual organisation which provides facilities for stock brokers and traders to trade company, stock and other securities. The oldest stock exchange in Asia and World is
- Q. The beginning of the great depression in the world economy is associated with the stock market crash on October 29, 1929 known as Black Tuesday. The fall of which stock exchange caused the depression?
- Q. Arthur Anderson – LLP was once a very big account firm performing auditing tax and consulting services for large corporations. On June 25 2002 Anderson was convicted for obstruction of justice for shredding docs related to its audit of a corporation resulting in a scandal –
- Q. AMFI stands for
- Q. V. N. Dhoot is the head of –
- Q. LAF stands for –
- Q. As per the Kyoto protocol carbon trading is allowed as part of clean development. Carbon trading means that
- Q. Amount transferred to the unpaid dividend account of a company which remains unpaid or unclaimed for a period of 7 years from the date of share transfer, is to transferred to
- Q. If variable cost per unit increased because of an increase in hourly wage rates to break even point would – decrease, increase, remain the same, increase or decrease depending upon the increase in wage rates.
- Q. Which company bagged the Krishnapatnam Ultra Mega Power Project (UMPP) – Reliance Power, Tata Power, Andhra Pradesh Electricity Board, NTPC
- Q. The location of UMPP – Talchar, Sasan, Mundra, Akaltana
- Q. Which of the following is not a debt market? –
- Q. Which of the following is not a Deputy Governor General of RBI? – Shri V. Leeladhar, Shyamal Gopinath, Usha Thorat, K. J. Udeshi
- Q. In which of the following years the IDBI Bank Ltd. merged in IDBI? –
- Q. Which of the following Long Term Capital Management firm won Nobel Prize for Economics –
- Q. The is/ are a graphical depiction of the term structure of interest rates – Yield curves, Zero Yield curves
- Q. The systematic risk of investing in an equity share is presented by a Greek alphabet. It is – a, b, g,
- Q. Return and Risk are the key determinants in share price. Increased risk, other things remaining the same results in – a low share price, a higher volatility in share price, a higher return, all of the above
- Q. Economics is primarily concerned with the study of –
- Q. "A friend you can bank upon" is the punchline of –
- Q. Till 2000, which company had the distinction of being India's highest loss-making PSU? – Hindustan Steel, Steel Authority of India (SAIL), Fertilizer Corporation of India. (Source: <http://www.rediff.in/money/2004/feb/11quiz.htm>)
- Q. Which is India's first public sector enterprise? – Air-India, Indian Telephone Industries (ITI), Bharat Sanchar Nigam Limited (BSNL). (Source: <http://www.rediff.in/money/2004/feb/11quiz.htm>)
- Q. Which industrial family owns the majority stake in the successful Hero group a leader in the motorcycle segment in the country in collaboration with Honda Japan? –
- Q. Clause 49 deals with issues related to corporate governance is the clause of – SEBI Act, The Companies Act, Schedule VI of Companies Act, None of these
- Q. Demutualization means –
- Q. How many depositories with SEBI? –
- Q. Chairman Audit and Control has to be –
- Q. If Reserve Repo Rate increases then bond prices will – increase, decrease, remain constant
- Q. A public limited company should have a paid up capital of at least
- Q. RTGS stands for
- Q. Commercial paper stands for
- Q. One of the important financial parameters to evaluate the performance of a company which is based on the net worth is – ROI, ROE, ROCE, EVA
- Q. Higher networth as on 31.03.2007 – Reliance Industries Ltd., TCS, NTPC, ONGC
- Q. CEO and MD of Ranbaxy Ltd. is – Malvinder Singh
- Q. SBI Life Insurance Company Ltd. is established by the merger of which of the following companies?
- Q. Maximum FDI allowed in Telecom sector in India is
- Q. What is Budge Deficit?
- Q. Which of the following is the world's largest employer – Indian Railways
- Q. Main objective of a firm in Economics is
- Q. Example of Normative Economy Statement is –
- Q. Market based economy scarcity of factor of production means that –
- Q. Profit is most likely to be an economy objective of
- Q. When an economy operates on its production possibility from the (DDE) it is

Reading Comprehension and English Usage

There were total seven questions on a RC passage. The questions were direct and easy. The theme of the passage was on 'Repetitive and Mechanical works in Automobile Industry'. The length of the passage was of approximately 330 words. A call seeking individual should have to attempt all the seven questions from the RC in a time span to 10 to 12 minutes.

There were total 53 questions were on English Usage. The questions were of Easy to Moderate level of difficulty. The questions from topics like Fill in the Blanks, Synonyms, Antonyms, Correct use of Idiom, Analogy, Spellings, Meanings were the parts of this area. One should have to attempt 35+ questions out of the total 53 questions from this area in a time span of 20 to 25 minutes.

We have recalled some of the questions which are as follows

Analogies

- Q. Foot : Man :: Hoof : ? –
Q. Gravity : Pull :: Magnetism : ?
Q. Distil : Whisky :: Brew
- Q. Wing : Bird :: Fish : ? –
Q. Shout : Whisper :: Strike :
Q. Parrot : Bird :: Lizard :

Synonyms: The words on which synonyms were asked – **WEIRD, LAUD, GIBBERISH, NINCOMPOOP, CONFUTE, ABACUS, COALESCE, PORTLY**

Antonyms: The words on which antonyms were asked – **POLEMIC, ANTEDILUVIAN, PUTRID, ALLEVIATE, OVERTURN**

Fill in the Blanks

- Q. The god is often with their bones. – bury, interred, aeshed, exhumed
Q. My reng thoughts were like the rustle of dead learns – lively, funny ghostly, loud
Q. A light rain to the humidity supplemented added increased complemented. –
Q. It was the courage given by drinks that made skinny Ramu challenge the bully. – French, Dutch, Taunting, Bold
Q. A chemist in the olden days was called – Owl, Alchemist, Egoist, Innovator
Q. Sand is to seed as spend is to spent, speak, speed, None of these
Q. Ankle is to knee as wrist is to hand, foot, finger, elbow

Correct use of Idioms

- Q. It is Shosha who wears the trousers in their house and he timidly allow it. – wear pants, wears off the trouser, makes all the decisions, is the dominant partner in a
Q. After showing his wild oats terry has decided to stick to the straight and narrow path in fulltime –
Q. The ship was about to weigh anchor when the storm – weight the anchor, lay the docking berth, raise the anchor as a preparation to sail again, drop the anchor
Q. I think I got the law degree by guess and by god than anything else – by guessing the answers, by guessing the questions, by guessing and prosing, through no ability or effort of one's own.
Q. It was clearly a case of the pot calling the Kettle black when Jagjit said that Rame were a thief – someone accusing other of being black, someone criticising another for a fault which he has himself

DIRECTIONS: Given below are the words with different spellings. Select the one which you consider to be correctly spelled

- Q. (1) anihilate (2) anihelate (3) annihilate (4) annihelate
Q. (1) numismatic (2) numesmatic (3) neumismatic (4) neumesmatic
Q. (1) neumonia (2) neumonea (3) pneumonia (4) pneumonea
Q. (1) weary (2) wearie (3) weery (4) weerie
Q. (1) flamboyant (2) flambuoyent (3) flamebuoyant (4) flemboyant
Q. (1) referigerator (2) refrigerator (3) referigrator (4) refrigerator
Q. (1) malyolent (2) malevolent (3) mallvolent (4) mallevolent

DIRECTIONS: Following is the list of some of the very common words which can be used in our daily life. Tick mark the correct choice amongst the several alternatives.

106. Soliloquy means – act of addressing people, act of speaking to oneself, act of talking to the animals, act of thinking
107. Somnambulist is a person who – talks in sleep, walks in sleep, dreams in sleep, sleeps when he walks
108. A person who loves everybody – lover, altruist, beloved, None of these
109. A person of material outlook and indifferent to culture – philanderer, philanthropist, philistine, philologist
110. A person who hates mankind – misogynist, meticulous, mainthropist, matricide
111. End of the hostilities before a treaty is signed – aviary, armistice, anomaly, atheist
112. A person who is indifferent to pains and pleasures of life – sadist, stoic, soliloquy, sacrilege

DIRECTIONS: Each question has been broken up into four parts sequentially (A, B, C and D). Choose the part which has a mistake or word(s) not quite appropriate.

- Q. (1) The gap between (2) imports and exports (3) was cut further (4) last month
 Q. (1) As he was convinced that (2) they were trying to (3) poison him he (4) refused to eat something
 Q. (1) After having (2) come to India (3) the young man fell (4) very ill
 Q. (1) A wood fire was (2) burning on the (3) hearth and a cat was (4) sleeping in front of it
 Q. (1) If they want to stop him (2) from performing his (3) parents will now (4) have to play their card very well
 Q. (1) That is the real reason (2) why I have opted (3) for such undramatic (4) incontinencies subject matter
 Q. (1) A whole series of resoundingly and (2) peremptory declared
 (3) intentions were given the lie (4) by the completed work
 Q. (1) This incident occurred in (2) Mailagora, part of (3) the richest and most (4) important area in Bihar

Mathematical Aptitude

There were total 60 question on Mathematical Aptitude. The topics like Numbers, Number System, Time, Speed and Distance, Functions, Circles and Polygons, Logarithm, Ratio and Proportion, Average, Percentages, Profit and Loss, Permutation and Combination, Linear and Quadratic Equations, Coordinate Geometry, Progression and Mensuration 3D were the representative of this area. An attempt of 45+ questions in a time span of 35 to 40 will be decent one.

Mathematical Aptitude		
Area	No. of Questions	Difficulty level
Numbers	11	Mix of Easy and Moderate
Number System	7	Easy
Time, Speed and Distance	1	Easy
Functions	2	Moderate
Circles and Polygons	4	Mix of Easy and Moderate
Logarithm	1	Easy
Ratio and Proportion, Average	2	Easy
Percentages, Profit and Loss	3	Easy
Permutation and Combination	3	Easy
Linear and Quadratic and Higher Degree Equations	7	Mix of Easy and Moderate
Co-ordinate Geometry	2	Moderate
Trigonometry	8	Moderate
Progression	4	Easy
Logic Based	4	Moderate
Mensuration 3 D	1	Easy
Total	60	Moderate

Some of the questions from this section that we are able to recall are

- Q. The three digit number which is 2 more than a perfect square and 2 less than a perfect cube is – 627, 402, 341, 123.
 Q. The difference between the fourth power and second power of a positive integer is always divisible by – 12, 6, 24, 2

In a lottery, there are four cash prizes and a certain amount is set aside for other purpose. First prize is Rs. x, more than half amount. Second prize is Rs. 2x more than half the remaining amount. Third prize is Rs. 3x more than half the remaining amount. Fourth prize is Rs. 4x more than half the remaining amount.

- Q. If the 3rd prize winner got Rs. 120 more than the last prize winner, what is the total prize money? – Rs. 1900, Rs. 1940, Rs. 1960, Rs. 1980.
 Q. If the winner of the first prize gives 50% of the amount he received to the last prize winner, than what is the ratio of the 3rd prize to the last prize? – 13 : 25, 20 : 29, 14 : 33, Can't be determined

- Q. Find the maximum value of a function $f(x) = 11 - |3x + 5| - 6$, 3, 25, 11
- Q. A cat saw a bloodhound 80 m away and it turned and ran away at a speed of 12 km/hr. Half a minute later, the hound saw the cat and started chasing it at 16 km/hr. In how much time after it started, can the hound catch the cat? – 23S, 114S, 162S, 136S
- Q. In an isosceles triangle, the median to the base is equal to half the length of the equal sides and the base is 10 units. Find the length of its median. – $\sqrt{40}/3$, $\sqrt{80}/3$, 5, $5/\sqrt{6}$.
- Q. Find the value of $\log_{10} 5 + \log_{10} (\log_{10} x^2) - \log_{10} (\log_{10} x) - 0, 1, -1, \log(x + 5)$
- Q. Which of the following pairs of statements is true – $\sin q + \cos q$ is odd function of $(q + 45^\circ)$, $\sin q + \cos q$ is odd function of $(q - 45^\circ)$, $\sin q + \cos q$ is even function of $(q + 45^\circ)$, $\sin q + \cos q$ is even function of $(q - 45^\circ)$.
- Q. If twice A is equal to thrice B and four times B is equal to five times C, what is the ratio between A and C – 8:15, 14:6, 15:8, 5:4.
- Q. What percentage profit can a shopkeeper earn by purchasing lemons at 5 for a rupee and selling at 2 for a rupee. – 50%, 75%, 125%, 150%.
- Q. A cube is cut into 4 identical pieces. What can be the maximum increase in the total surface area of the pieces over that of a cube? – 100%, 66.6%, 50%, 10%
- Q. What is the cost of one apple, one mango and one banana, if 3 apples, 4 mangos and 6 bananas cost Rs. 53 and 8 apples, 7 mangoes and 5 bananas cost Rs. 68? – Rs. 10, Rs. 11, Rs. 13, Rs. 14
- Q. In how many ways can 5 men and 5 women sit alternatively around a circular table. – 576, 2880, 14400, 22500
- Q. If $4^x - 4^x - 1 = 24$, then $(2x)x$ equal to – 25, 125, 5, $25\sqrt{5}$
- Q. If $ax^2 + bx + c$ is exactly divisible by $(x - 1)$ and $(x - 2)$ and leaves remainder of 6 which divided by $(x + 1)$, that what must be the value of c ? – 1, 2, 3, 4
- Q. If 171 is divided into two parts each less than 100, such that one is divisible by 5 and the other is divisible by 8. The part that is divisible by 5 is – 45, 55, 65, 75
- Q. What is the area of a figure enclosed by the graph of $y = |x - 2|$ and $y = 2 - |x - 2|$ – 0, 1, 0.5, 2
- Q. The HCF of 2 numbers is 27 and LCM is 184. If one of the number is 92. What is the other number? – 54, 27, 81, data is inconsistent
- Q. In a set of six distinct natural numbers, four of the numbers are 11, 12, 18 and 19. The median of the set is 13. Which of the following definitely belongs to the set – 13, 14, 15, 16
- Q. Which of the following are the roots of the equation $2x^4 - 9x^3 + 14x^2 - 9x + 2 = 0$ – $(1, -1, , 2)$, $(1, 1, -2)$, $(1, 1, -, 2)$, $(1, 1, , 2)$
- Q. The product of the irrational roots of the equation $(2x - 1)(2x - 3)(2x - 5)(2x - 7) = 9 - 3/2$, 4, 3, $3/4$
- Q. The 49th term of an arithmetic progression is 23 and 62nd term is 37. What is the sum of the first 110 terms of the series. – 3000, 3300, 3600, 5500
- Q. If a convex polygon has five sides, then find the number of points of intersection of the diagonals of the polygon – 5, 6, 7, 10
- Q. How many four lettered word (with or without meaning) can be formed from the letters of the word. – 135, 240, 560, 840
- Q. An angle A, B, C of the triangle ABC are 60° , 70° and 50° respectively. The circle inscribed in the triangle touches AB, BC and CA at X, Y and C respectively and has its centre at O. Find the measure of the angle XOY. – 60° , 70° , 50° , 110°
- Q. If Z is real number greater than 1, which of the following statement is always true. – $(Z^3 - 1) = (Z^2 - Z)$, $(Z^3 - 1) < (Z^2 - 1)$, $(Z^3 - 1) > (Z^2 - Z)$, None of the above
- Q. Which of the following sets of values satisfy the equation – $(-4, -2)$, $(-1, 1)$, $(-2, -1)$, $(-2, 0)$
- Q. Each edge of a cube is increased by 150%. Find the percentage increase in the surfaces area of the cube. – 625%, 525%, 225%, 125%
- Q. In an election, where two candidates were contesting, the winner got 53% of the total vote cast and the loser lost by 1080 votes. How many votes were polled in the election. Assume that all the votes polled were valid. – 18000, 21000, 15000, 24000
- Q. How many numbers below 660 are divisible by 5 and 11 but not by 3. – 8, 11, 3, 9
- Q. What is the sum of the angles in the four segments exterior to a cyclic quadrilateral. – 180° , 360° , 540° , 720°
- Q. Which of the following is true about the three lines given by the equations $2x + 3y - 8 = 0$, $x - 2y + 3 = 0$ and $3x - 2y + 1 = 0$ – They are concurrent, Two of them are parallel to each other, Two of them are perpendicular to each other, More than one of the above.
- Q. No. of ways to put five letters in five envelopes so that no envelope contain right letter. –
- Q. Total number of integral values? $|x| < 100$, $|y| < 100$, $4x + 7y = 3$.
- Q. Maximum value of expression $(x + 2)/(2x^2 + 4x + 8)$ is
- Q. Even function of $(x - 3)$ is –
- Q. Remainder when $2^{89}/89$ is
- Q. A clock strike 12 times in 22 seconds how many second will be required to strike 6 times
- Q. A sphere is divided into four identical parts after painting. The ratio of the area painted and unpainted is
- Q. Binary equivalent to 176 is
- Q. Hexadecimal equivalent to 523 is
- Q. 1101.0101 in decimal is –
- Q. Minimum number of bits required to represent 256 in binary system
- Q. $1000111_2 / 101_2$
- Q. $174356_8 / 16_8$

Data Sufficiency

There were total 20 questions on 4-option direct DS. The questions were easy. The language of the Directions were clearly indicating that the source of the questions were from any GRE/GMAT book. An attempt of 18+ questions in 10 to 15 minutes.

Data Interpretation

There were total 20 question on four sets of DI. All the sets were on table. The questions were easy. An attempt of 18+ questions in 10 to 15 minutes will be decent one.

Logical Reasoning

There were total 20 questions on LR. There were 5 question each on Definitely True/False type questions, Courses of Action, Statement Assumption and Assertion-Reason. An attempt of 12+ questions in 10 to 12 minutes will be decent.

Expected Cut-offs 130+ marks