

ENTRANCE EXAMINATION FOR ADMISSION, MAY 2011.

M.B.A. (INTERNATIONAL BUSINESS)

COURSE CODE : 382

Register Number :

Signature of the Invigilator
(with date)

COURSE CODE : 382

Time : 2 Hours

Max : 400 Marks

Instructions to Candidates :

1. Write your Register Number within the box provided on the top of this page and fill in the page 1 of the answer sheet using pen.
2. Do not write your name anywhere in this booklet or answer sheet. Violation of this entails disqualification.
3. Read each question carefully and shade the relevant answer (A) or (B) or (C) or (D) in the relevant box of the ANSWER SHEET using HB pencil.
4. Avoid blind guessing. A wrong answer will fetch you -1 mark and the correct answer will fetch 4 marks.
5. Do not write anything in the question paper. Use the white sheets attached at the end for rough works.
6. Do not open the question paper until the start signal is given.
7. Do not attempt to answer after stop signal is given. Any such attempt will disqualify your candidature.
8. On stop signal, keep the question paper and the answer sheet on your table and wait for the invigilator to collect them.
9. Use of Calculators, Tables, etc. are prohibited.

SECTION - A
(ENGLISH PROFICIENCY)

1. Spot the Error :

(a) Being a destitute / (b) I admitted him / (c) to an old people's home / (d) no error

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

2. Synonyms – PUISSANT

(A) weak (B) articulate (C) healthy (D) powerful

3. Synonyms – ASSAY

(A) attack (B) accept (C) case (D) evaluate

4. Antonyms – TIRADE

(A) censure (B) declamation (C) discredit (D) eulogy

5. Antonyms – CADAVEROUS

(A) skillful (B) obese (C) lucid (D) inquisitive

6. Analogy – AEROPLANE : DRONE ::

(A) Birds : Chirp (B) Paper : Crinkle
(C) Silk : Rustle (D) Elephant : Tusk

7. Fill ups – You may wonder how the expert on fossil remains is able to trace descent through teeth, which seem _____ pegs upon which to hang whole ancestries.

(A) reliable (B) inadequate (C) novel (D) specious

8. Idioms & Phrases – See eye to eye :

(A) State at each other (B) Agree
(C) Depend on (D) Make an effort

9. Idioms & Phrases – Talk Shop :
- (A) Talk about one's profession (B) Talk about shopping
(C) Ridicule (D) Treat lightly
10. Spotting Errors – Gandhiji lived a noble life of fasting (a) and poverty (b) in order to work for peaceful (c) and independence (d).
- (A) (a) (B) (b) (C) (c) (D) (d)
11. Spotting Errors – It (a) can take hundreds (b) of different experiments to achieve (c) a (d) ultimate solution.
- (A) (a) (B) (b) (C) (c) (D) (d)
12. Fill ups (Grammar based) – Capitalist society _____ profit as a valued goal.
- (A) which regards (B) regarding
(C) regards (D) was regarded
13. Fill ups (Grammar based) – He is _____ tennis.
- (A) fond to play (B) fond of playing
(C) fond in playing (D) fond at playing
14. Arrange the Sentence – P → checked regularly
Q → you should have
R → blood pressure
S → your
- (A) R S P Q (B) R Q S P (C) Q S R P (D) R S Q P
15. Arrange the Sentence – P → Indian
Q → earn as much
R → working women
S → as men
- (A) Q S R P (B) P R S Q (C) S R P Q (D) P R Q S

Read the Passage carefully & Answer the following Questions

One simple physical concept lies behind the formation of the stars : gravitational instability. The concept is not new. Newton first perceived it late in the 17th century.

Imagine a uniform, static cloud of gas in space. Imagine then that the gas is somehow disturbed so that one small spherical region becomes a little denser than the gas around it so that the small region's gravitational field becomes slightly stronger. It now attracts more matter to it and its gravity increases it further, causing it to begin to contract. As it contracts its density increases, which increases its gravity even more, so that it picks up even more matter and contracts even further. The process continues until the small region of gas finally forms a gravitational bound object.

QUESTIONS

16. The primary purpose of the passage is to :
- (A) Describe a static condition
 - (B) Support a theory considered outmoded
 - (C) Depict the successive stages of a phenomenon
 - (D) Demonstrate the evolution of the meaning of the term
17. It can be inferred from this passage that the author views the information contained within it as
- (A) Lacking elaboration
 - (B) Original but obscure
 - (C) Speculative & unprofitable
 - (D) Uncomplicated and traditional
18. With which of the following word can you replace the word uniform as given in this passage
- (A) Uniting
 - (B) Varying
 - (C) Gaseous
 - (D) Unvarying
19. What does the underlined word "it" stand for in this passage.
- (A) Gravitational instability
 - (B) Cloud of Gas
 - (C) Small spherical denser region
 - (D) Matter
20. The author provides then information that answers which of the following questions?
- 1. What cause the disturbances that changes the cloud from its original static condition?
 - 2. How does this small region's increasing density affect its gravitational field?
 - 3. What is the end result of the gradually increasing concentration of the small region of gas?
- (A) 1 only
 - (B) 2 only
 - (C) 2 & 3 only
 - (D) 1, 2 & 3

SECTION - B
QUANTITATIVE APTITUDE

21. What is sum of all prime numbers between 101 and 120?
(A) 313 (B) 442 (C) 318 (D) None of these
22. .676767 is equal to
(A) $\frac{67}{99}$ (B) $\frac{670}{990}$ (C) $\frac{671}{99}$ (D) $\frac{67}{990}$
23. Evaluate $\sqrt{32} + \sqrt{48} / \sqrt{8} + \sqrt{12}$
(A) $\sqrt{2}$ (B) 2 (C) 4 (D) 8
24. If $\sqrt{3} = 1.732$ and $\sqrt{2} = 1.414$ then what is the value of $1/\sqrt{3} + \sqrt{2}$?
(A) 0.064 (B) 0.308 (C) 0.318 (D) 2.146
25. If $\sqrt{3} = 1.732$ then what is the value of $3/2 + \sqrt{3}$?
(A) .8038 (B) 11.196 (C) 0.834 (D) None of these
26. Which of the following is the greatest five digit number which when divided by 6, 7, 8, 9 leaves 4, 5, 6, 7 as remainder respectfully?
(A) 99892 (B) 99792 (C) 89463 (D) 99790
27. What is the least number of the square marbles slabs required to pave a floor 276 cm long and 204 cm broad?
(A) 139 (B) 219 (C) 391 (D) None of these
28. What percent is 18 % of 24 %?
(A) $\frac{108}{25}$ % (B) 75% (C) $33\frac{1}{3}$ % (D) $133\frac{1}{3}$ %
29. If the length of a rectangle is decreased by 40 % and the breadth is increased by 30% then what is the percentage change in the area of rectangle?
(A) 26% (B) - 35 % (C) - 22 % (D) - 40%

30. What quantity (in cc) of water must be added to 100 cc of 80 % of solution of boric acid to reduce it to 50 % solutions?
- (A) 30 cc (B) 40 cc (C) 50 cc (D) 60 cc
31. Successive discount of 20% and 10% is equivalent to single discount of how much percent?
- (A) 27% (B) 25% (C) 28% (D) 19%
32. Wasim buys 9 books for Rs. 100 but sells 8 for Rs. 100. What is the net percentage of profit?
- (A) 10% (B) 11.5% (C) 12.5% (D) 13.5%
33. If a certain sum in simple interest amount to Rs. 108 in two years Rs. 112 in 3 year. What is the rate of interest?
- (A) 5% (B) 6% (C) 4% (D) 7%
34. A man earns Rs. 450 as an interest in two years on a certain sum invested with company at the rate of 12% per annum. Find the sum invested by the man in the company
- (A) Rs. 1,875 (B) Rs. 1,830 (C) Rs. 1,825 (D) Rs. 1,810
35. Find the amount for Rs. 80,000 at 20% per annum compounded semi annually for 2 years
- (A) Rs. 1,17,128 (B) Rs. 1,27,128 (C) Rs. 1,37,128 (D) Rs. 1,47,128
36. Average of six numbers is 30. If a new number is added the average became 31, what would be the value of new number?
- (A) 35 (B) 36 (C) 37 (D) 38
37. Five years ago, the average age of A, B, C and D was 45. With E joining then now the average age of all the five is 49 years. How old is E?
- (A) 25 years (B) 40 years (C) 45 years (D) 64 years

38. The income of A and B are in the ratio 3 : 2 and the expenditure in the ratio 5 : 3. If each saves Rs. 2,000, what are their incomes?
- (A) A's income is Rs. 4,000 (B) B's income is Rs. 8,000
 (C) Both (A) and (B) (D) None of these
39. If 465 has to be divided in the ratio of $1/2 : 1/3 : 1/5$ then which of following statement true ?
- (A) First part is 225 (B) Second part is 230
 (C) Third part is 150 (D) None of these
40. If Rs. 581 is divided among A, B and C such that $4A = 4B = 7C$ then which of the following is true ?
- (A) Rs. 245 for A (B) Rs. 196 for B
 (C) Rs. 140 for C (D) All of these
41. A train, 700 meters long ,is running at the speed of 72 km/hrs. If its crosses a tunnel in 1 min, then the length of the tunnel(in meters) is
- (A) 600 meters (B) 700 meters (C) 550 meters (D) 500 meters
42. A car travels a distance of 840 km at a uniform speed. If the speed of the car is 10 km/hr more, it takes 2 hrs less to cover the same distance. The original speed of the car was
- (A) 45 km/hr (B) 50 km/hr (C) 60 km/hr (D) 75 km/hr
43. Two pipes A and B can fill a tank in 10 hr and 15 hr respectively. Find the time taken to fill the tank when the pipes are turned on simultaneously.
- (A) 6 hr (B) 5 hr (C) 8 hr (D) 2 hr
44. A and B can do piece of work in 18 days, B and C in 24 days, C and A in 36 days in how many days can they do it all working together?
- (A) 12 days (B) 13 days (C) 16 days (D) 26 days
45. 24 men can complete a given job in 40 days. The number of men required to complete the job in 32 days is
- (A) 30 (B) 32 (C) 34 (D) 36

SECTION - C
TEST OF LOGICAL REASONING

Select the correct alternative from the given choices :

46. A26 : E22 :: I18 : _____
(A) 15L (B) U6 (C) O12 (D) R9
47. Nut : Shell :: Seed : _____
(A) Plant (B) Sapling (C) Fruit (D) Tree
48. 100 : 1001 :: 11001 : _____
(A) 11010 (B) 100100 (C) 10110 (D) 11110
49. FAMOUS : HBODWL :: PECKL : _____
(A) RJHTP (B) RJEVN (C) RLETP (D) RKIXN
50. In a certain code language if violet is called as green, green is called as red, red is called as brown, brown is called as orange, orange is called as yellow, yellow is called as blue and blue is called as indigo, then what is the color of human blood in their language?
(A) red (B) blue (C) green (D) brown

Directions for the questions (51 to 55) :

Read the data below and answer the questions that follow.

Within a group of 240 employees of a company it is known that 100 speak English, 110 speak Hindi and 140 Speak Telugu. It is also known that 30 speak both English and Hindi. 50 speak both Hindi and Telugu. 50 speak both Telugu and English while 20 speak English, Hindi as well as Telugu.

51. How many of them speak only Hindi?
(A) 30 (B) 50 (C) 20 (D) 80
52. How many of them speak both Hindi and Telugu but not English?
(A) 30 (B) 20 (C) 50 (D) 60
53. How many of them speak exactly one language?
(A) 120 (B) 180 (C) 150 (D) 240
54. How many of them speak neither English nor Hindi?
(A) 40 (B) 60 (C) 30 (D) 50

55. How many of them speak either English or Telugu?
 (A) 120 (B) 140 (C) 180 (D) 190
56. What is the angle between the minute hand and the hour hand of a clock at 3 hours 40 minutes?
 (A) 20 degree (B) 70 degree (C) 90 degree (D) 130 degree
57. The last day of a century cannot be
 (A) Friday (B) Wednesday (C) Tuesday (D) Monday
58. Which year will have the same calendar as 1984?
 (A) 2020 (B) 2008 (C) 2012 (D) 2004
59. If $4+5 = 41$ and $10 + 12 = 244$, then $6 + 8 = \text{————— ?}$
 (A) 100 (B) 200 (C) 88 (D) 96
60. If $2^6 - 4 = 48$ and $2^8 - 5 = 224$ then $2^{10} - 6 = \text{————— ?}$
 (A) 360 (B) 720 (C) 880 (D) 960
61. Two friends P and Q started walking towards each other starting from points A and B respectively which are 200 kms apart. On a straight road P traveled for 30 kms on road and stopped. Q traveled for 70 kms and took a left turn and traveled 20 kms. Then he took a right turn and traveled 45 kms and then turned to the main road and reached it. What is the distance in kms between the friends now?
 (A) 45 (B) 55 (C) 65 (D) 75
62. Showing a photograph, P said "She is my mother's mother's son's daughter." How is the person in the photograph related to P?
 (A) Sister (B) Cousin (C) Niece (D) Mother
63. 15 people entered a theatre before Sujith. 7 people entered the theatre between Sujith and Suraj. 20 people entered the theatre after Suraj. How many people are there in the theatre?
 (A) 28 (B) 36
 (C) 44 (D) cannot be determined
64. Mr. Mahipalan walks 20 km towards North, then he turns right and walks further 21 km. How far is he from the starting point and in which direction?
 (A) 21 km and north-east (B) 30 km and south-west
 (C) 10 km and north-east (D) 20 km and north-west
65. If $4*3=55$, $5*9=44$ then $10*10 = ?$
 (A) 900 (B) 77 (C) 999 (D) 1111

Directions for the questions (66 to 70) :

Read the data below and answer the questions that follow.

Each of the five women Asha, Bindhu, Chitra, Devi and Eshwari, whose ages are distinct, has a daughter among Pavani, Kalyani, Rani, Seetha and Tina, not necessarily in the same order. We know the following information about them.

- For every pair of mother and daughter the difference between the age of the mother and the daughter is the same.
- Eshwari is not the mother of Rani. Asha is elder than Chitra.
- Tina is the daughter of neither Devi nor Bindhu, but younger than Seetha whose mother is older than Bindhu
- Tina has as many children younger than her as older than her.
- Asha and Eshwari are the eldest and the youngest among the five women.
- Bindhu's daughter is not younger than Rani but elder than Pavani.

66. Who is the mother of Rani?

- (A) Bindhu (B) Devi
(C) Eshwari (D) Either (A) or (B)

67. Among the children who is the oldest?

- (A) Rani (B) Kalyani
(C) Seetha (D) Either (B) or (C)

68. Who is the daughter of Chitra?

- (A) Pavani (B) Seetha (C) Kalyani (D) Tina

69. How many women are elder to Devi?

- (A) 3 (B) 2
(C) 1 (D) cannot be determined

70. Who is the daughter of Eshwari?

- (A) Tina (B) Kalyani (C) Rani (D) Pavani

SECTION - D
DATA SUFFICIENCY

- A. Statement (1) ALONE is sufficient, but statement (2) alone is sufficient.
- B. Statement (2) ALONE is sufficient, but statement (1) alone is sufficient.
- C. Both statements TOGETHER are sufficient, but NEITHER statement ALONE is sufficient.
- D. EACH statement ALONE is sufficient.
- E. Statements (1) and (2) TOGETHER are NOT sufficient to answer the questions asked additional data are needed.
71. In a certain class, one student is to be selected at random to read. What is the probability that a boy will read?
- (1) Two - thirds of the students in the class are boys.
- (2) Ten of the students in the class are girls.
72. A certain expressway has exits J, K, L and M, in that order. What is the road distance from exit K to exit L?
- (1) The road distance from exit J to exit L is 21 kilometres
- (2) The road distance from exit K to exit M is 26 kilometres.
73. Is x is a negative number?
- (1) $9x > 10x$
- (2) $x + 3$ is positive.
74. What is the value of x ?
- (1) $2x + 1 = 0$
- (2) $(x + 1)^2 = x^2$
75. How many people are directors of both Company K and Company R?
- (1) There were 17 directors present at a joint meeting of the directors of Company K and Company R, and no directors were absent.
- (2) Company K has 12 directors and Company R has 8 directors.
76. What is the value of x ?
- (1) $y = x+1$
- (2) $y = x^2 + 1$

77. How much did a certain telephone call cost?
- (1) The call lasted 53 minutes.
 - (2) The cost of the first 3 minutes was 5 times the cost for each additional minute.
78. When a player in a certain game tossed a coin a number of times, 4 more heads than tails resulted. Heads or tails resulted each time the player tossed the coin. How many times did heads result?
- (1) The player tossed the coin 24 times.
 - (2) The player received 3 points each time heads resulted and 1 point each time tails resulted, for a total of 52 points.
79. What was the total amount of revenue that a theatre received from the sale of 400 tickets, some of which were sold at x percent of full price and rest of which were sold at full price?
- (1) $x = \text{Rs. } 50$
 - (2) Full-price ticket sold for Rs. 200 each.
80. In GK School, 300 students study French or Spanish or both. If 100 of these students do not study French, how many of these students study both French and Spanish?
- (1) Of the 300 students, 60 do not study Spanish.
 - (2) A total of 240 of the students study Spanish.
81. While on a straight road, car X and car Y are travelling at different constant rates. If car X is 1 km a head of car Y, how many minutes from now will car X be 2 kms a head of car Y?
- (1) Car X is travelling 50 kms per hour and car Y is travelling at 40 kms per hour.
 - (2) Three minutes ago car X was $\frac{1}{2}$ km a head of car Y.
82. Is $rst = 1$?
- (1) $rs = 1$
 - (2) $st = 1$
83. At a certain picnic, each of the guests was served either a single scoop or double scoop of ice cream. How many of the guests were served a double scoop of ice cream?
- (1) At the picnic, 60 percent of the guests were served a double scoop of ice cream.
 - (2) A total of 120 scoop of ice cream were served to all the guests at the picnic.
84. What is the value of two-digit integer x ?
- (1) The sum of the two digits is 3.
 - (2) x is divisible by 3.
85. Is x is greater than 1.8?
- (1) $x > 1.7$
 - (2) $x > 1.9$

SECTION - E
GENERAL KNOWLEDGE

86. What is the full name of SAPTA?
- (A) South Asian Preferral Trade Agreement
(B) South Asian Preferential Trade Agreement
(C) South Asian Public Trade Agreement
(D) South Asian Private Trade Agreement
87. The founder members of Organisation of Petroleum Exporting Countries (OPEC) are
- (A) Iran, Iraq, Kuwait, Saudi Arabia and Venezuela
(B) Iran, Iraq, UAE, Kuwait and Beharin
(C) Iraq, Iran, UAE, Egypt and Kuwait
(D) Iran, Iraq, UAE and Lybia
88. What was the time period for Vth - five year plan?
- (A) 1970 - 1975 (B) 1972 - 1977
(C) 1978 - 1983 (D) 1974 - 1979
89. Optics is the study of
- (A) Cable (B) Light (C) Lense (D) Sound
90. Who was the founder Editor of Bengal Gazatte (1780)?
- (A) James Augustus Hickey (B) R. Williams
(C) Raja Ram Mohan Roy (D) Sasi Kumar Ghosh
91. Who was the father of History?
- (A) Pythagoras (B) Marco Polo
(C) Herodotus (D) Henry
92. Which one of the following is the leading producer of Marine Fish?
- (A) Gujarat (B) Kerala (C) Maharashtra (D) West Bengal
93. When did India became a member of the International Monetary Fund (IMF)?
- (A) 1947 (B) 1950 (C) 1951 (D) 1955

94. The gases used in the manufacture of Ammonia
(A) Nitrogen and Oxygen (B) Oxygen and Nitric Oxide
(C) Nitrogen and Methane (D) Nitrogen and Hydrogen
95. Birju Maharaj is associated with
(A) Kathak (B) Flute (C) Violin (D) Odyssey
96. National Science Day is celebrated on
(A) February 28 (B) March 21 (C) April 1 (D) August 13
97. Chilka lake is situated in
(A) Punjab (B) Orissa (C) Rajasthan (D) Maharashtra
98. Who is the current finance minister?
(A) Chidambaram (B) Pranab Mukerjee
(C) Mamta Benarjee (D) Raja
99. 'Nokia' – brand is from which country?
(A) Netherlands (B) Finland
(C) Russia (D) United States
100. Census day is
(A) 1st March (B) 9th February
(C) 7th April (D) 1st December