

# OJEE Integrated MBA Sample Paper 01

**A) Mode and Time:** The exam is a Computer Based Test (CBT) lasting 60 minutes.

**B) Total Questions:** The exam contains 60 questions.

**C) Marking Scheme & Rules:**

- +4 marks for each correct answer and -1 mark for every incorrect response.

**Q1.** 4, 9, 19, 39, ?

- A. 69
- B. 79
- C. 89
- D. 99

**Q2.** B, E, I, N, T, ?

- A. Y
- B. Z
- C. A
- D. B

**Q3.** If MILK is coded as OKNM, how is GOLD coded?

- A. IQNF
- B. HQNE
- C. IPNF
- D. HPME

**Q4.** Pointing to a boy, a girl said, "He is the son of the only daughter of my father." How is the boy related to the girl?

- A. Brother
- B. Cousin
- C. Son
- D. Nephew

**Q5.** A man walks 10m East, turns right and walks 10m, then turns right again and walks 10m. How far and in which direction is he from his starting point?

- A. 10m North
- B. 10m South
- C. 20m East
- D. 30m West

**Q6.** Statements: All cats are dogs. Some dogs are rats. Conclusions: I. Some cats are rats. II. Some rats are dogs.

- A. Only I follows
- B. Only II follows
- C. Both I and II follow
- D. Neither I nor II follows

**Q7.** Thermometer : Temperature :: Barometer : ?

- A. Humidity
- B. Rainfall
- C. Atmospheric Pressure
- D. Wind Speed

**Q8.** Which of the following is different from the rest?

- A. Apple
- B. Banana
- C. Mango
- D. Carrot

**Q9.** Arrange in logical order: 1. Birth 2. Education 3. Death 4. Funeral 5. Marriage

- A. 1, 2, 5, 3, 4
- B. 1, 5, 2, 3, 4
- C. 2, 1, 5, 3, 4
- D. 1, 2, 3, 5, 4

**Q10.** Statement: "All managers in the company are MBAs. Rahul is a manager."  
Conclusion: Rahul is an MBA.

- A. Definitely True
- B. Probably True
- C. Definitely False
- D. Cannot be determined

**Q11.** Which diagram best represents the relationship between: 'Sun, Earth, Universe'?

- A. Three separate circles
- B. One circle inside another, with a third intersecting
- C. Two separate circles inside a larger one
- D. Three concentric circles

**Q12.** What is the angle between the hour and minute hands of a clock at 2:30?

- A. 95 degrees
- B. 100 degrees
- C. 105 degrees
- D. 110 degrees

**Q13.** If today is Monday, what day of the week will it be after 65 days?

- A. Tuesday
- B. Wednesday
- C. Thursday
- D. Friday

**Q14.** A, B, C, and D are sitting in a row facing North. A is to the immediate left of B. B is to the immediate left of C. C is to the immediate left of D. Who is sitting at the extreme right end?

- A. A
- B. B
- C. C
- D. D

**Q15.** In a class, Rohan is ranked 10th from the top and 10th from the bottom. How many students are there in the class?

- A. 19
- B. 20
- C. 21
- D. 18

**Q16.** If the price of a commodity increases by 20% and its consumption decreases by 20%, what is the net effect on expenditure?

- A. No change
- B. 4% increase
- C. 4% decrease
- D. 8% decrease

**Q17.** The cost price of 10 articles is equal to the selling price of 8 articles. What is the profit percentage?

- A. 15%
- B. 20%
- C. 25%
- D. 30%

**Q18.** What is the simple interest on Rs. 1000 at a rate of 10% per annum for 2 years?

- A. Rs. 100
- B. Rs. 200
- C. Rs. 210
- D. Rs. 250

**Q19.** A can complete a work in 10 days, and B can complete it in 15 days. Working together, in how many days will they finish the work?

- A. 5 days
- B. 6 days
- C. 7.5 days
- D. 8 days

**Q20.** A train 100 meters long is running at a speed of 36 km/hr. How much time will it take to cross a stationary pole?

- A. 8 seconds
- B. 10 seconds
- C. 12 seconds
- D. 15 seconds

**Q21.** If  $A:B = 2:3$  and  $B:C = 4:5$ , what is  $A:B:C$ ?

- A. 8:12:15
- B. 2:4:5
- C. 6:12:15
- D. 8:15:20

**Q22.** The average of 5 numbers is 20. If one number (10) is removed, what is the average of the remaining 4 numbers?

- A. 20
- B. 21.5
- C. 22.5
- D. 25

**Q23.** Which of the following numbers is completely divisible by 9?

- A. 1234
- B. 2345
- C. 4563
- D. 1111

**Q24.** Solve for  $x$ :  $2x + 3 = x + 7$

- A. 2
- B. 3
- C. 4
- D. 5

**Q25.** What is the area of a circle with a radius of 7 cm? (Use  $\pi = 22/7$ )

- A. 44 sq. cm
- B. 154 sq. cm

C. 308 sq. cm

D. 616 sq. cm

**Q26.** A fair six-sided die is rolled. What is the probability of getting a prime number?

A.  $\frac{1}{2}$

B.  $\frac{1}{3}$

C.  $\frac{2}{3}$

D.  $\frac{1}{6}$

**Q27.** In how many different ways can the letters of the word "CAT" be arranged?

A. 3

B. 6

C. 9

D. 12

**Q28.** A father is currently 3 times as old as his son. In 10 years, the father will be twice as old as his son. What is the son's present age?

A. 10 years

B. 12 years

C. 15 years

D. 20 years

**Q29.** Which of the following fractions is the largest?

A.  $\frac{1}{2}$

B.  $\frac{2}{3}$

C.  $\frac{3}{4}$

D.  $\frac{4}{5}$

**Q30.** A 40-liter mixture of milk and water contains them in the ratio of 3:1. If 10 liters of water is added, what will be the new ratio of milk to water?

A. 2:1

B. 3:2

C. 1:1

D. 4:3

**Q31.** Choose the synonym for the word: DILIGENT

- A. Lazy
- B. Hardworking
- C. Careless
- D. Intelligent

**Q32.** Choose the antonym for the word: GREGARIOUS

- A. Sociable
- B. Talkative
- C. Introverted
- D. Friendly

**Q33.** What does the phrase "To break the ice" mean?

- A. To destroy something
- B. To initiate a conversation
- C. To freeze water
- D. To resolve a fight permanently

**Q34.** Which part of the sentence contains an error? (A) He did not / (B) went to / (C) the market yesterday. / (D) No error.

- A. A
- B. B
- C. C
- D. D

**Q35.** Fill in the blank: She is exceptionally good ..... mathematics.

- A. in
- B. with
- C. at
- D. on

**Q36.** Fill in the blank: I ..... working in this company since 2020.

- A. am
- B. was
- C. have been
- D. had

**Q37.** Rearrange the following logically: P. He inserted the key. Q. He reached the door. R. He opened it and went inside.

- A. Q, P, R
- B. P, Q, R
- C. R, P, Q
- D. Q, R, P

**Q38.** A person who loves mankind and works for their welfare is called a:

- A. Misanthrope
- B. Philanthropist
- C. Optimist
- D. Pessimist

**Q39.** PAINTER : BRUSH :: WRITER : ?

- A. Paper
- B. Book
- C. Pen
- D. Ink

**Q40.** Choose the correctly spelled word.

- A. Accomodate
- B. Acommodate
- C. Accommodate
- D. Accommadate

**Q41.** "If I was a bird, I would fly high." Choose the correct replacement for the underlined part.

- A. If I am a bird
- B. If I were a bird
- C. If I had been a bird
- D. No correction required

**Q42.** To "give up" means to:

- A. Start something new
- B. Surrender or quit
- C. Donate money
- D. Travel far

**Q43.** Convert to passive: "The chef cooked the meal."

- A. The meal is cooked by the chef.
- B. The meal has been cooked by the chef.
- C. The meal was cooked by the chef.
- D. The meal had cooked the chef.

**Q44.** Convert to indirect: He said, "I am happy."

- A. He said that he is happy.
- B. He said that he was happy.
- C. He told he was happy.
- D. He said I am happy.

**Q45.** "Strategic management involves the formulation and implementation of major goals and initiatives taken by a company's top management." According to the text, what is a key component of strategic management?

- A. Hiring lower-level staff
- B. Formulation and implementation of major goals
- C. Daily operational monitoring
- D. Customer service training

**Q46.** FMCG stands for:

- A. Fast Moving Consumer Goods

- B. Financial Market Capital Growth
- C. Foreign Market Consumer Goods
- D. Fast Manufacturing Consumer Group

**Q47.** In the stock market, what does IPO stand for?

- A. Internal Profit Organization
- B. Initial Public Offering
- C. International Price Output
- D. Index Performance Output

**Q48.** Which institution acts as the central bank of India and regulates monetary policy?

- A. State Bank of India
- B. Ministry of Finance
- C. Reserve Bank of India (RBI)
- D. NITI Aayog

**Q49.** Which of the following is NOT one of the traditional "4 Ps" of the marketing mix?

- A. Product
- B. Price
- C. Profit
- D. Promotion

**Q50.** The fundamental accounting equation is:

- A.  $\text{Assets} = \text{Liabilities} + \text{Equity}$
- B.  $\text{Assets} + \text{Liabilities} = \text{Equity}$
- C.  $\text{Equity} = \text{Assets} + \text{Revenue}$
- D.  $\text{Assets} = \text{Liabilities} - \text{Equity}$

**Q51.** FDI stands for:

- A. Foreign Direct Investment
- B. Financial Direct Income
- C. Federal Deposit Insurance

D. Foreign Domestic Investment

**Q52.** 'SENSEX' is the benchmark stock market index of which exchange?

- A. National Stock Exchange (NSE)
- B. Bombay Stock Exchange (BSE)
- C. New York Stock Exchange (NYSE)
- D. London Stock Exchange (LSE)

**Q53.** "Just Do It" is the famous tagline of which brand?

- A. Adidas
- B. Puma
- C. Reebok
- D. Nike

**Q54.** Alphabet Inc. is the parent company of:

- A. Apple
- B. Microsoft
- C. Google
- D. Facebook (Meta)

**Q55.** In the business world, what is a "Unicorn" startup?

- A. A startup with zero debt
- B. A startup valued at over 1 Billion USD
- C. A startup founded by a single person
- D. A startup focusing on biotechnology

**Q56.** In India, GST stands for:

- A. Gross State Tax
- B. Goods and Services Tax
- C. General Sales Tax
- D. Global Service Tariffs

**Q57.** Which is the largest public sector bank in India?

- A. Punjab National Bank
- B. Bank of Baroda
- C. State Bank of India (SBI)
- D. HDFC Bank

**Q58.** Who is the current CEO of Microsoft (as of recent years)?

- A. Sundar Pichai
- B. Satya Nadella
- C. Tim Cook
- D. Elon Musk

**Q59.** B2B stands for:

- A. Business to Buyer
- B. Brand to Business
- C. Business to Business
- D. Buyer to Buyer

**Q60.** The Law of Demand states that, all else being equal, as the price of a good increases, its demand:

- A. Increases
- B. Decreases
- C. Remains constant
- D. Fluctuates randomly

## Solutions

1. B

**Explanation:** The logic is: multiply by 2 and add 1. ( $4 \times 2 + 1 = 9$ ;  $9 \times 2 + 1 = 19$ ;  $19 \times 2 + 1 = 39$ ). Therefore,  $39 \times 2 + 1 = 79$ .

2. C

**Explanation:** The letters jump by increasing steps in the alphabet: B(+3)=E, E(+4)=I, I(+5)=N, N(+6)=T. The next jump is T(+7) = A (looping past Z).

3. A

**Explanation:** Each letter is shifted forward by 2 positions in the alphabet. M(+2)=O, I(+2)=K, L(+2)=N, K(+2)=M. Applying to GOLD: G(+2)=I, O(+2)=Q, L(+2)=N, D(+2)=F. Result: IQNF.

4. C

**Explanation:** The girl says "the only daughter of my father," which refers to herself. The boy is the "son" of herself. Therefore, the boy is her son.

5. B

**Explanation:** He walks 10m East, turns right (facing South) for 10m, and turns right again (facing West) for 10m. This forms a U-shape, leaving him exactly 10m South of his start.

6. B

**Explanation:** "All cats are dogs." The cats circle is entirely inside dogs. "Some dogs are rats." The rats circle intersects with dogs, but not necessarily with cats. Thus, I is false, but II is definitively true.

7. C

**Explanation:** A thermometer is an instrument used to measure temperature. Similarly, a barometer is an instrument used to measure atmospheric pressure.

8. D

**Explanation:** Apple, Banana, and Mango are all fruits that grow on trees. A Carrot is a root vegetable, making it the odd one out.

9. A

**Explanation:** The logical progression of a human life is: Birth (1), Education (2), Marriage (5), Death (3), and finally Funeral (4).

10. A

**Explanation:** Since all managers are MBAs, and Rahul is definitively stated to be a manager, it logically and definitively follows that Rahul is an MBA.

11. C

**Explanation:** The Sun and the Earth are distinct, non-intersecting celestial bodies, but both exist entirely within the larger boundary of the Universe.

12. C

**Explanation:** Using the formula  $|30H - 5.5M|$ :  $|30(2) - 5.5(30)| = |60 - 165| = |-105| = 105^\circ$ .

13. B

**Explanation:** Days of the week repeat every 7 days. 65 divided by 7 leaves a

remainder of 2. Monday + 2 days = Wednesday.

**14. D**

**Explanation:** Based on the arrangement, A is left of B, B left of C, and C left of D. The linear order from left to right is A - B - C - D. Thus, D is at the extreme right.

**15. A**

**Explanation:** Total students = (Position from top + Position from bottom) - 1. Therefore,  $(10 + 10) - 1 = 19$  students.

**16. C**

**Explanation:** Using the successive percentage formula:  $+20\% - 20\% - \frac{(20 \times 20)}{100} = 0 - 4 = -4\%$ . Therefore, a 4% decrease.

**17. C**

**Explanation:** Let CP of 1 article = Rs. 1. Total CP of 8 articles = Rs. 8. SP of 8 articles = CP of 10 articles = Rs. 10. Profit =  $10 - 8 = 2$ . Profit % =  $(2/8) \times 100 = 25\%$ .

**18. B**

**Explanation:** Simple Interest (SI) =  $\frac{P \times R \times T}{100} = \frac{1000 \times 10 \times 2}{100} = \text{Rs.} 200$ .

**19. B**

**Explanation:** Combined work rate =  $1/10 + 1/15 = 3/30 + 2/30 = 5/30 = 1/6$ . Therefore, working together they will finish it in 6 days.

**20. B**

**Explanation:** Convert speed to m/s:  $36 \times (5/18) = 10$  m/s. Time to cross pole = Distance / Speed =  $100/10 = 10$  seconds.

**21. A**

**Explanation:** A:B = 2:3 and B:C = 4:5. Make the common term 'B' equal. Multiply first by 4 (8:12) and second by 3 (12:15). Thus, A:B:C = 8:12:15.

**22. C**

**Explanation:** Sum of 5 numbers =  $5 \times 20 = 100$ . If 10 is removed, sum of remaining 4 numbers =  $100 - 10 = 90$ . Average =  $90/4 = 22.5$ .

**23. C**

**Explanation:** A number is divisible by 9 if the sum of its digits is divisible by 9. For 4563:  $4 + 5 + 6 + 3 = 18$ , which is divisible by 9.

**24. C**

**Explanation:**  $2x + 3 = x + 7$ . Subtract  $x$  from both sides:  $x + 3 = 7$ . Subtract 3:  $x = 4$ .

**25. B**

**Explanation:** Area of a circle =  $\pi r^2 = \frac{22}{7} \times 7^2 = 22 \times 7 = 154$  sq. cm.

**26. A**

**Explanation:** A six-sided die has three prime numbers: 2, 3, and 5. Probability = Favorable outcomes / Total outcomes =  $3/6 = 1/2$ .

**27. B**

**Explanation:** The word "CAT" has 3 distinct letters. The number of ways to

arrange them is 3 factorial  $(3!) = 3 \times 2 \times 1 = 6$ .

**28. A**

**Explanation:** Let son's present age =  $S$ . Father =  $3S$ . In 10 years:  $3S + 10 = 2(S + 10)$ .  $3S + 10 = 2S + 20$ . Therefore,  $S = 10$  years.

**29. D**

**Explanation:** Convert to decimals:  $1/2 = 0.5$ ,  $2/3 \approx 0.67$ ,  $3/4 = 0.75$ ,  $4/5 = 0.8$ . The largest fraction is  $4/5$ .

**30. B**

**Explanation:** The 40L mixture has Milk=30L, Water=10L. Adding 10L of water makes Water=20L. New ratio = 30:20, which simplifies to 3:2.

**31. B**

**Explanation:** 'Diligent' refers to having or showing care and conscientiousness in one's work or duties. Therefore, 'Hardworking' is the correct synonym.

**32. C**

**Explanation:** 'Gregarious' describes a person who is fond of company; sociable. Its exact opposite (antonym) is 'Introverted' or withdrawn.

**33. B**

**Explanation:** The idiom "to break the ice" means to do or say something to relieve tension or get conversation going at the start of a meeting or social gathering.

**34. B**

**Explanation:** When using the auxiliary verb "did" in a negative sentence, the main verb must be in its base form (V1). It should be "He did not go".

**35. C**

**Explanation:** The correct idiomatic preposition to use when describing proficiency or skill in a subject or activity is "at" (e.g., good at mathematics).

**36. C**

**Explanation:** The sentence denotes an action that started in the past (2020) and continues into the present. Thus, the present perfect continuous tense "have been" is required.

**37. A**

**Explanation:** The logical chronological order of events is: Reaching the door (Q), inserting the key to unlock it (P), and finally opening it and going inside (R).

**38. B**

**Explanation:** A philanthropist is a person who seeks to promote the welfare of others, especially by the generous donation of money to good causes.

**39. C**

**Explanation:** A painter uses a brush as their primary tool to create art. Similarly, a writer uses a pen as their primary tool to write.

**40. C**

**Explanation:** The correct spelling of the word meaning to provide lodging or sufficient space for is "Accommodate" (double 'c' and double 'm').

**41. B**

**Explanation:** For hypothetical or unreal conditions (subjunctive mood), "were" is used for all subjects instead of "was". Hence, "If I were a bird" is grammatically correct.

**42. B**

**Explanation:** The phrasal verb "to give up" means to cease making an effort; to resign, surrender, or quit doing something.

**43. C**

**Explanation:** To convert simple past active voice to passive, the object ("the meal") becomes the subject, followed by the "was/were + past participle" structure ("was cooked").

**44. B**

**Explanation:** When reporting speech, the present tense inside the quotes changes to the past tense ("am" becomes "was") because the reporting verb ("said") is in the past tense.

**45. B**

**Explanation:** The provided text explicitly states that strategic management involves "the formulation and implementation of major goals and initiatives."

**46. A**

**Explanation:** FMCG stands for Fast Moving Consumer Goods, which are products that sell quickly at a relatively low cost (like packaged foods, toiletries, etc.).

**47. B**

**Explanation:** An Initial Public Offering (IPO) is the process by which a private company offers shares of its stock to the public for the first time to raise capital.

**48. C**

**Explanation:** The Reserve Bank of India (RBI) is India's central bank and regulatory body responsible for the issue and supply of the Indian rupee and the regulation of the banking system.

**49. C**

**Explanation:** The traditional "4 Ps" of marketing are Product, Price, Place, and Promotion. "Profit" is the goal, but not one of the 4 Ps of the marketing mix.

**50. A**

**Explanation:** The core foundation of double-entry bookkeeping is the accounting equation:  $\text{Assets} = \text{Liabilities} + \text{Equity (or Capital)}$ .

**51. A**

**Explanation:** Foreign Direct Investment (FDI) is an investment in the form of a controlling ownership in a business in one country by an entity based in another country.

**52. B**

**Explanation:** SENSEX (Stock Exchange Sensitive Index) is the benchmark index of the Bombay Stock Exchange (BSE), comprising 30 well-established and financially sound companies.

**53. D**

**Explanation:** "Just Do It" is a trademarked, globally recognized slogan and mar-

keting campaign coined by the sportswear brand Nike in 1988.

**54. C**

**Explanation:** Alphabet Inc. was created in 2015 through a corporate restructuring of Google, becoming the parent company of Google and several former Google subsidiaries.

**55. B**

**Explanation:** In venture capital parlance, a "Unicorn" refers to any privately held startup company that has reached a valuation of over 1 billion US dollars.

**56. B**

**Explanation:** The Goods and Services Tax (GST) is a comprehensive, multi-stage, destination-based indirect tax levied on the supply of goods and services across India.

**57. C**

**Explanation:** The State Bank of India (SBI) is a statutory body and the largest public sector banking and financial services company in India.

**58. B**

**Explanation:** Satya Nadella is an Indian-American business executive who succeeded Steve Ballmer as the Chief Executive Officer (CEO) of Microsoft in 2014.

**59. C**

**Explanation:** B2B stands for Business-to-Business, referring to commerce transactions conducted between businesses, such as between a manufacturer and a wholesaler, rather than between a business and individual consumers.

**60. B**

**Explanation:** The Law of Demand is a fundamental principle in microeconomics stating that as the price of a good or service increases, consumer demand for it will decrease, *ceteris paribus*.