Mila

International MSc/MA Practice Test 1

CORRECTED EDITION · VERSION 1 · REVIEWED 7 NOVEMBER 2026

50 questions · Original question sequence and Test 1 / Test 2 identity retained.

Intended applicants: International MSc/MA. Not Specialized Master.

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Foundational independent practice, not a validated prediction of admissions difficulty. Repeated content across tests is intentionally retained. No claim of 200 unique questions.

Current official preparation, rules and test format:

Bocconi official test and preparation page

The original documents suggest 75 minutes. This is an optional practice duration, not a verified official requirement. Consult the official page for current timing, scoring and calculator rules.

Verbal reasoning · 24 questions

Remote work

The expansion of remote work has changed how firms think about office space and recruitment. A wider geographic hiring pool can help employers find specialized skills, while employees may value reduced commuting time. Yet remote arrangements can also make informal learning more difficult, especially for new staff who benefit from observing experienced colleagues. Some firms therefore use hybrid schedules, attempting to preserve flexibility while creating regular opportunities for collaboration. The effectiveness of such systems depends less on the number of office days alone than on whether teams coordinate those days and use them for activities that benefit from face-to-face interaction.

1. Which benefit of remote work is explicitly mentioned?

A. A wider geographic hiring pool
B. Guaranteed higher salaries
C. No need for management
D. Elimination of training
E. Lower product prices

2. Why may new staff face a disadvantage remotely?

A. They cannot use computers
B. Informal learning by observing colleagues may be harder
C. They are legally barred from meetings
D. They work fewer hours
E. They cannot communicate in writing

3. What does the passage suggest matters for hybrid work?

A. Only the exact number of office days
B. Coordinating office days around useful face-to-face activities
C. Closing all offices
D. Hiring only locally
E. Avoiding collaboration

AI and productivity

Generative artificial intelligence can reduce the time required for some writing, coding, and analytical tasks, but its effect on productivity is not automatic. Workers must learn when to rely on a model, when to verify its output, and when a task is better completed without it. In occupations where mistakes are costly, time saved in drafting may be partly offset by additional checking. This means that organizations evaluating AI should measure not only speed but also error rates, revision time, and the quality of final decisions. The largest gains may arise when workflows are redesigned rather than when an existing process simply adds an AI tool.

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4. What is the central claim?

A. AI always increases productivity
B. AI productivity gains depend on use, verification, and workflow design
C. AI should never be used in costly-error jobs
D. Drafting speed is the only useful metric
E. AI eliminates revision

5. Why can drafting time savings be partly offset?

A. Models require commuting
B. Additional checking may be needed
C. Workers stop writing
D. Hardware becomes slower
E. Firms must hire more drivers

6. Which evaluation approach is recommended?

A. Measure speed only
B. Measure error rates, revision time, and final decision quality as well as speed
C. Ignore output quality
D. Count model prompts only
E. Measure office attendance

Carbon disclosure

Investors increasingly ask companies to disclose greenhouse-gas emissions and climate-related risks. Standardized disclosure can make firms easier to compare, but measurement remains difficult, particularly for emissions generated across supply chains. A company may reduce its reported direct emissions by outsourcing an activity without reducing total emissions associated with its products. For this reason, analysts often distinguish between direct operational emissions and broader value-chain emissions. Better disclosure does not by itself guarantee lower emissions, but it can make inconsistencies more visible and improve the information available to investors and regulators.

7. Why can direct-emissions figures be misleading?

A. Companies cannot measure electricity
B. Outsourcing may lower reported direct emissions without lowering product-related total emissions
C. Investors never compare firms
D. Supply chains contain no emissions
E. Regulators ban disclosure

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8. What distinction do analysts often make?

A. Domestic vs foreign investors
B. Direct operational vs broader value-chain emissions
C. Large vs small offices
D. Profits vs revenue
E. Public vs private transport

9. What does the passage say better disclosure can do?

A. Guarantee lower emissions
B. Make inconsistencies more visible and improve information
C. Eliminate supply chains
D. Replace regulation
E. Set carbon prices automatically

Urban pricing

Several cities have introduced congestion charges for vehicles entering crowded central districts. The policy is intended to reduce traffic delays and local air pollution while encouraging commuters to use public transport. Critics argue that the charge can fall disproportionately on workers whose schedules or locations make public transport impractical. Supporters respond that revenue can be reinvested in transit, making alternatives more reliable over time. Evidence from early adopters suggests that traffic volumes often fall soon after implementation, though the size and persistence of the effect depend on pricing, exemptions, and the quality of substitute transport.

10. What is the main purpose of congestion charges as described?

A. To increase car ownership
B. To reduce congestion and pollution while encouraging transit
C. To eliminate all central-city travel
D. To finance private parking
E. To reduce fuel prices

11. Which concern is attributed to critics?

A. Charges may burden some workers with weak transit alternatives
B. Traffic never changes after pricing
C. Transit revenue must be returned to drivers
D. Air pollution is unrelated to traffic
E. Exemptions are always illegal

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12. According to the passage, policy effectiveness depends partly on:

A. Weather alone
B. National population growth
C. Pricing, exemptions, and transport alternatives
D. Whether offices allow remote work
E. Fuel production

13. All consultants assigned to Alpha have finance experience. Some Alpha consultants speak German. Which must be true?

A. Some German speakers have finance experience
B. All finance experts speak German
C. No German speaker works elsewhere
D. Every consultant is on Alpha
E. None

14. No product with an active safety recall was shipped. Product Z was shipped. What follows?

A. Z had a recall
B. Z did not have an active safety recall when it was shipped
C. Z was profitable
D. Z was inspected twice
E. Nothing

15. Some economists are programmers. All programmers in the lab use version control. Which conclusion is justified?

A. Some economists use version control
B. All economists program
C. No economist uses version control
D. All programmers are economists
E. None of A–D necessarily follows

16. Every approved loan has passed risk review. Loan M has not passed risk review. Which is necessarily true?

A. M is approved
B. M is not approved
C. M was rejected for income
D. M has collateral
E. Nothing

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17. All blue files are archived. No archived file is editable. Which must be true?

A. No blue file is editable
B. All editable files are blue
C. Some archived files are blue
D. No file is blue
E. All files are archived

18. Some managers are engineers. No engineer is in Department R. Which must be true?

A. Some managers are not in Department R
B. No manager is in R
C. All managers are engineers
D. Some R employees are engineers
E. None

19. A firm claims its new dashboard improved decisions because teams using it had higher profits. Which evidence most weakens the claim?

A. The dashboard teams were already the firm's highest-performing teams before adoption
B. The dashboard has many charts
C. Managers like the interface
D. Profits are measured quarterly
E. Competitors use dashboards

20. A city argues that subsidizing bicycles will reduce car traffic because residents will switch some journeys from cars to subsidized bicycles. Which assumption is most necessary to this argument?

A. At least some subsidized bicycle trips will replace car trips
B. All residents can cycle
C. Cars will be banned
D. Bicycles never require maintenance
E. Public transit use will fall

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21. An online course has a higher completion rate than an in-person course. Which information is most useful before concluding that the online format itself improves completion rates?

A. Whether the two groups had similar backgrounds and selection criteria

B. The color of the course website

C. The instructor's office location

D. The number of chairs in classrooms

E. The university logo

22. A company says a four-day week reduced absenteeism. Which finding strengthens the claim most?

A. Absenteeism fell in the pilot group but stayed stable in a comparable non-pilot group

B. Employees prefer Fridays

C. The company hired a new CFO

D. Office rent increased

E. The pilot lasted four weeks

23. A bank observes customers who use budgeting tools save more. What alternative explanation should be considered?

A. People already motivated to save may be more likely to use budgeting tools

B. Budgeting tools use software

C. Savings accounts pay interest

D. Customers have passwords

E. Banks publish statements

24. A report argues that adding trees lowers summer street temperatures. Which evidence is strongest?

A. Comparable streets with new trees cooled more than similar streets without new trees

B. Residents say trees look attractive

C. Tree planting costs money

D. Winter temperatures also vary

E. Some streets have shops

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Data insight · 16 questions

Market	Units 2025	Units 2026	Margin %
North	240	276	18
South	300	315	15
East	180	225	20
West	280	294	16

Margin is used only for the stated artificial index, not monetary profit.

25. Which market had the highest unit growth rate?

A. North
B. South
C. East
D. West
E. North and East

26. What were total units in 2026?

A. 1090
B. 1100
C. 1110
D. 1120
E. 1130

27. Define an index as 2026 units multiplied by the numerical value of Margin %; for example, enter 18% as 18. Which market has the highest index?

A. North
B. South
C. East
D. West
E. Equal

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28. How many more units did North and East sell in 2026 than in 2025 combined?

A. 72
B. 76
C. 81
D. 86
E. 91

29. Statement 1: East’s percentage unit growth from 2025 to 2026 exceeded North’s. Statement 2: West sold more units than South in 2026. Which is correct?

A. Only 1
B. Only 2
C. Both
D. Neither
E. Cannot tell

30. What is South's growth rate?

A. 3%
B. 5%
C. 7%
D. 10%
E. 15%

31. If West’s units sold in 2027 rise by the same absolute amount as from 2025 to 2026, how many units will West sell in 2027?

A. 300
B. 306
C. 308
D. 310
E. 314

32. Which pair has combined 2026 units of 501?

A. North + East
B. South + East
C. North + West
D. South + West
E. East + West

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Data sufficiency

Numerical variables are real unless otherwise specified. Assess each statement alone using the question stem, then both together if needed. For a yes/no question, a uniquely determined yes or no is sufficient. A = statement 1 alone; B = statement 2 alone; C = both together, neither alone; D = each alone; E = insufficient even together.

33. What is x?
(1) x + y = 12
(2) y = 5

A. Statement 1 alone

B. Statement 2 alone

C. Both together, neither alone

D. Each alone

E. Not sufficient even together

34. For integer n, is n even?
(1) n is divisible by 4
(2) n is divisible by 2

A. Statement 1 alone

B. Statement 2 alone

C. Both together, neither alone

D. Each alone

E. Not sufficient even together

35. What is the area of the rectangle, in square units?
(1) Its length is 10 units
(2) Its width is 6 units

A. Statement 1 alone

B. Statement 2 alone

C. Both together, neither alone

D. Each alone

E. Not sufficient even together

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36. Is a > b?
(1) a-b=3
(2) a+b=20

A. Statement 1 alone
B. Statement 2 alone
C. Both together, neither alone
D. Each alone
E. Not sufficient even together

37. What is p?
(1) 2p=18
(2) p+q=14

A. Statement 1 alone
B. Statement 2 alone
C. Both together, neither alone
D. Each alone
E. Not sufficient even together

38. For the same accounting period, define company profit as revenue minus total costs. Is company profit positive?
(1) Revenue is EUR 5m
(2) Total costs are EUR 4m

A. Statement 1 alone
B. Statement 2 alone
C. Both together, neither alone
D. Each alone
E. Not sufficient even together

39. What is the mean of three numbers?
(1) Their sum is 24
(2) There are three numbers

A. Statement 1 alone
B. Statement 2 alone
C. Both together, neither alone
D. Each alone
E. Not sufficient even together

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40. Is x=0?
(1) x^2=0
(2) x is nonnegative

A. Statement 1 alone

B. Statement 2 alone

C. Both together, neither alone

D. Each alone

E. Not sufficient even together

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Quantitative reasoning · 10 questions

41. If 6x - 7 = 59, what is x?

A. 13

B. 11

C. 10

D. 9

E. 12

42. An item priced at EUR 200 is increased by 12% and then reduced by 12%. What is the final price?

A. 197.12

B. 224

C. 3

D. 176

E. 200

43. A sequence has nth term 7n + 2n. What is the value of the term when n = 4?

A. 38

B. 40

C. 36

D. 50

E. 29

44. A rectangle has width 9 cm and perimeter 48 cm. What is its area?

A. 24

B. 48

C. 135

D. 120

E. 144

45. A bag contains 6 red and 3 blue tokens. Two tokens are drawn uniformly at random, without replacement. What is the probability both are red?

A. 36/81

B. 12/72

C. 30/72

D. 6/9

E. 6/72

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46. What is the slope of the line through (-1, -3) and (4, 17)?

A. -4

B. 4

C. 3

D. 5

E. 0.25

47. What is the positive value of x if x^2 = 49?

A. 9

B. 8

C. 7

D. 5

E. 6

48. Pipe A alone fills an empty tank in 8 hours and Pipe B alone fills it in 5 hours. Both operate simultaneously at constant rates with no outflow. How many hours are needed? Round to 2 decimal places.

A. 2.5

B. 3.08

C. 13

D. 5.5

E. 6.5

49. After a 20% discount, what is the price of an item originally costing EUR 80?

A. 66.67

B. 60

C. 64

D. 96

E. 16

50. One solution of (x - 3)(x + 5) = 0 is -5. What is the other solution?

A. 3

B. -3

C. 8

D. -5

E. 5

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Answer key

Question numbers and answer-option positions follow the original test. Master Q15 is corrected from A to E.

1. A	2. B	3. B	4. B	5. B
6. B	7. B	8. B	9. B	10. B
11. A	12. C	13. A	14. B	15. E
16. B	17. A	18. A	19. A	20. A
21. A	22. A	23. A	24. A	25. C
26. C	27. A	28. C	29. A	30. B
31. C	32. A	33. C	34. D	35. C
36. A	37. A	38. C	39. A	40. A
41. B	42. A	43. C	44. C	45. C
46. B	47. C	48. B	49. C	50. A

Worked answers and explanations

1. A — The passage explicitly names a wider geographic hiring pool.

2. B — Remote work can reduce opportunities for new staff to learn by observing experienced colleagues.

3. B — Coordinated office days used for valuable face-to-face activities matter, not just the number of days.

4. B — AI productivity gains depend on appropriate use, verification and workflow design; they are not automatic.

5. B — Additional checking, especially where errors are costly, can offset drafting-time savings.

6. B — The passage recommends speed, error rates, revision time and final decision quality together.

7. B — Outsourcing can reduce reported direct emissions without reducing total product-related emissions.

8. B — The passage distinguishes direct operational emissions from broader value-chain emissions.

9. B — Disclosure can reveal inconsistencies and improve information, but does not guarantee lower emissions.

10. B — The objectives are reduced congestion and local pollution and increased public transport use.

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11. A — Critics identify workers whose schedules or locations make public transport impractical.

12. C — The final sentence explicitly identifies pricing, exemptions and the quality of substitute transport.

13. A — Some German-speaking Alpha consultants exist; every Alpha consultant has finance experience.

14. B — After factual-premise repair, no shipped product had an active recall; Z therefore had none at shipment. A prohibition alone would not guarantee compliance.

15. E — No economist-programmer is stated to be in the lab. The lab-only rule does not establish any of A–D; E is correct.

16. B — Approved implies passed risk review. Not passed therefore implies not approved.

17. A — Blue implies archived, and archived implies not editable. Existence of blue files is not asserted.

18. A — The managers who are engineers exist and cannot be in Department R.

19. A — Pre-existing high performance provides an alternative explanation for higher profits.

20. A — For the stated trip-substitution mechanism, some subsidized bicycle journeys must replace car journeys.

21. A — Selection/background differences could explain completion rates; the question concerns the format’s effect on completion.

22. A — A comparable non-pilot group with stable absenteeism strengthens the causal claim; it does not prove it.

23. A — Prior motivation to save can explain both tool uptake and higher savings.

24. A — Comparable untreated streets provide the strongest listed comparison for the temperature effect.

25. C — Growth: North 15%, South 5%, East 25%, West 5%; East is greatest.

26. C — 276+315+225+294=1110 units.

27. A — Index products: North 4968, South 4725, East 4500, West 4704; North is greatest. This is an artificial index, not monetary profit.

28. C — North increased by 36, East by 45: total 81 units.

29. A — East percentage growth 25% exceeds North 15%; West 294 is below South 315. Only statement 1 is true.

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30. B — (315−300)/300=5%.

31. C — West increased by 14; 294+14=308 units.

32. A — North+East=276+225=501 units.

33. C — Neither statement alone fixes x; together x=12−5=7.

34. D — For integer n, divisibility by 4 and divisibility by 2 each independently establish evenness.

35. C — Neither dimension alone fixes area; together 10×6=60 square units.

36. A — Statement 1 gives a−b=3>0; the sum alone allows either order.

37. A — Statement 1 gives p=9; statement 2 leaves p undetermined.

38. C — For the same period, profit=revenue−total costs=5m−4m=EUR 1m; neither statement alone determines its sign.

39. A — The stem already states there are three numbers; the sum alone gives mean 24/3=8. Statement 2 adds nothing.

40. A — $x^2=0$ forces x=0. Nonnegativity alone permits zero or a positive value.

41. B — 6x=66, so x=11.

42. A — 200×1.12×0.88=EUR 197.12.

43. C — 7n+2n=9n; at n=4 this is 36.

44. C — Length=48/2−9=15; area=135 square centimetres.

45. C — (6/9)(5/8)=30/72=5/12.

46. B — Slope=(17−(−3))/(4−(−1))=20/5=4.

47. C — The positive square root of 49 is 7.

48. B — Time=1/(1/8+1/5)=40/13=3.08 hours to two decimals.

49. C — 80×0.80=EUR 64.

50. A — The roots are 3 and −5; the other root is 3.

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