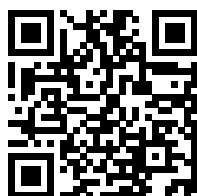


Series: AM111



SESSION – 2

Subject Code: MO

Roll No.:

--	--	--	--	--	--	--	--	--	--	--	--

Candidates must write the Roll No on the title page of the Question Paper.

Mathematics | Level 1

Time allowed: 1 hours

Maximum Marks: 120

Instructions for Candidates:

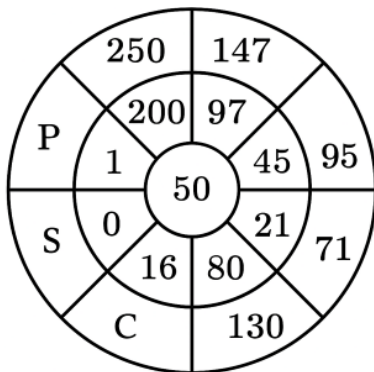
1. Please verify that this question paper contains **10** printed pages and Ensure that the paper contains a total of **40** questions.
2. Use of mobile phones, smartphones, ipads during examination is **STRICTLY PROHIBITED**.
3. On the OMR sheet, enter all required information carefully in the space provided **ONLY IN BLOCK CAPITALS** and by properly darkening the corresponding bubbles. Incomplete, incorrect, or careless entries may lead to disqualification.
4. Use only a **BLUE or BLACK BALL POINT PEN** for writing entries and filling bubbles. Pencils or other pens are not permitted.
5. **Marking Scheme:** Each question has four alternatives, only one of which is correct. Select the correct option and darken the respective bubble.
 - Each correct answer carries **3 marks**.
 - Each incorrect answer attracts a penalty of **1 mark**.
 - No marks are awarded for unanswered questions.
6. Use only the space provided in the question paper for rough work.
7. Candidates must remain in the examination hall until the exam is officially over. Early exit is not allowed.
8. Do not make stray marks, symbols, or extra writing on the OMR sheet. Fill only the designated bubbles neatly.
9. Since OMR sheets are machine evaluated, changes in entries are **strictly not allowed**.
10. Avoid scratching, overwriting, or erasing, as these may result in wrong evaluation.
11. **DO NOT write anything on the back side** of the OMR sheet.

Multiple Choice Questions

1. Match the following:

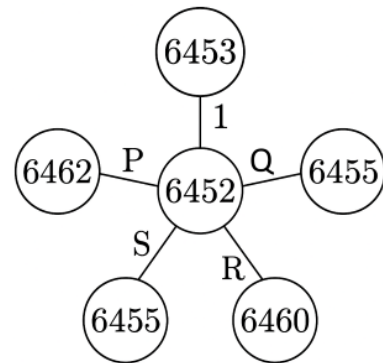
- (A) MLXVIII — (i) 1130
 (B) MCXXX — (ii) 1192
 (C) MCXCII — (iii) 1068
 (D) MCCLIV — (iv) 1254
- (a) A-iii, B-i, C-iv, D-ii
 (b) A-ii, B-iii, C-ii, D-iv
 (c) A-iii, B-ii, C-i, D-iv
 (d) A-iii, B-i, C-ii, D-iv

2. Fill the missing numbers.



- (A) $P = 51$, $S = 50$, $C = 66$
 (B) $P = 50$, $S = 52$, $C = 67$
 (C) $P = 71$, $S = 130$, $C = 95$
 (D) $P = 250$, $S = 147$, $C = 95$

3. Find the value of A, B, C and D.



- (A) $P = 10$, $Q = 0$, $R = 8$, $S = 3$
 (B) $P = 0$, $Q = 10$, $R = 18$, $S = 30$
 (C) $P = 0$, $Q = 10$, $R = 80$, $S = 3$
 (D) $P = 10$, $Q = 10$, $R = 8$, $S = 3$

4. Paul put 20 flowers in a vase on the table. Two-tenths are yellow roses. How many yellow roses are in the vase?

- (A) 4 yellow roses
 (B) 8 yellow roses
 (C) 2 yellow roses
 (D) 12 yellow roses

5. A train scheduled to arrive at Nizamuddin station got 1 h 25 min late. It leaves after 15 min and reaches Jaipur at 9:45 p.m. after 8 h 35 min of journey. Find its scheduled arrival time.

- (A) 10 : 30 a.m.
 (B) 11 : 30 a.m.
 (C) 11 : 20 a.m.
 (D) 11 : 50 a.m.



6. Shivam's flight to Canada departs at 11 : 15 p.m. He must check in 1 h 45 min earlier. The journey to the terminal takes 50 min, dressing 30 min, dinner 15 min. At what time should he start preparing?
- (A) 6 : 55 p.m.
(B) 8 : 05 p.m.
(C) 7 : 55 p.m.
(D) 8 : 25 p.m.
7. Roli has made a list of objects with their weights. Find the incorrect statement:
- (A) Weight of a packet of biscuits is about 100 g.
(B) Weight of a bottle of jam is about 500 g.
(C) Weight of a bottle of tomato ketchup is about 1 kg.
(D) Weight of 7 eggs is about 2 kg.
8. Mohini collects coins of 10p, 25p, 50p, ₹ 1, ₹ 5, ₹ 10 and notes of ₹ 5, ₹ 10, ₹ 20, ₹ 50 and ₹ 100. What is the total amount of money with her?
- (A) ₹ 195.75
(B) ₹ 201.85
(C) ₹ 200.75
(D) ₹ 200.85
9. I went for a journey with ₹ 32700. I spent ₹ 12350, ₹ 5980 and ₹ 10798 on three days. How much money is left?
- (A) ₹ 3500
(B) ₹ 3672
(C) ₹ 3572
(D) ₹ 4672
10. Select the incorrect option.
- (A) A square has all four sides equal.
(B) A rectangle has two lines of symmetry.
(C) A figure that starts and ends at the same point is closed.
(D) Diameter of a circle is always less than its radius.
11. Mr Veer took 23 days leave. If his last working day was 16 July, on what date must he rejoin?
- (A) 5 Aug
(B) 7 Aug
(C) 9 Aug
(D) 8 Aug
12. Anjana has to cover 20 km 560 m. She walked 1 km 200 m, covered 10 km 150 m by auto and the rest by car. How much by car?
- (A) 9 km 21 m
(B) 9 km 210 m
(C) 7 km 350 m
(D) 7 km 300 m
13. A small-scale industry made 750 candles in a week and packed 12 per set. How many packets and leftover candles?
- (A) 62, 6
(B) 64, 6
(C) 62, 8
(D) 63, 7



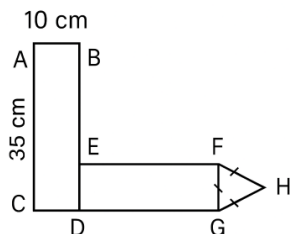
14. Q is the smallest whole number greater than 99. Find the greatest whole number less than $Q \times Q$.

(A) 9801
(B) 10000
(C) 9899
(D) 9999

15. The time shown on Manu's watch was 45 minutes slow. He adjusted the watch to set it to the actual time. How many right angles had he formed by moving the minute hand? Did he make a clockwise or anti-clockwise turn?

(A) 2 right angles, anti-clockwise
(B) 2 right angles, clockwise
(C) 3 right angles, anti-clockwise
(D) 3 right angles, clockwise

16. Find the perimeter of the given figure. (Two rectangles are of same shape and size) ($FG = FH = GH$)



(A) 165 cm
(B) 150 cm
(C) 135 cm
(D) 170 cm

17. Karnika bought $3\frac{2}{5}$ m, $3\frac{1}{3}$ m and $2\frac{3}{5}$ m of cloth for three dresses. If these three pieces were cut from a 25 m roll of cloth, then how much cloth was left in the roll?

(A) $10\frac{12}{13}$ m
(B) $10\frac{13}{15}$ m
(C) $9\frac{11}{13}$ m
(D) None of these

18. Simplify: $\frac{1}{3} + \frac{7}{9} \div \left(\frac{7}{10} \times 1\frac{1}{4} \right)$

(A) $\frac{7}{9}$
(B) $1\frac{2}{9}$
(C) $\frac{17}{9}$
(D) $1\frac{4}{9}$

19. Electricity bill of Mr. Vinit shows the following details: Monthly Rent = ₹ 500

Unit Consumed	Rate (₹)
1–100	3.50
101–150	4.25
151–200	4.50
Above 200	4.75

Calculate the amount payable by Mr. Vinit to BSES Rajdhani Power Limited if he consumes 120 units.

(A) ₹ 935
(B) ₹ 875
(C) ₹ 395
(D) ₹ 500



20. Consider the following statements.

Statement A: $\frac{1}{5}$ of ₹ 10 is 200 paise.

Statement B: There are 50 cm in $\frac{1}{6}$ part of 3 meters.

Choose the correct option.

- (A) Only statement A is true.
- (B) Only statement B is true.
- (C) Both A and B are true.
- (D) Both A and B are false.

21. Which of the following statement(s) is true or false?

Statement A: Tuesday is $\frac{1}{7}$ day of a week.

Statement B: March is $\frac{1}{12}$ month of a quarter year.

Statement C: April and July are $\frac{2}{12}$ month of a year.

Statement D: 14th and 15th are $\frac{2}{28}$ days of February.

- (A) TFFT
- (B) TFTT
- (C) TTFF
- (D) TFTF

22. Consider the following statements. Which of the following statement(s) is/are true or false?

A: Among $\frac{2}{3}, \frac{5}{6}, \frac{8}{9}, \frac{7}{12}$ — the smallest fraction is $\frac{7}{12}$.

B: Among $\frac{2}{17}, \frac{4}{17}, \frac{5}{17}, \frac{6}{17}$ — fraction $\frac{4}{17}$ is closest to $\frac{1}{4}$.

C: A proper fraction cannot be changed into a mixed fraction.

D: Value of equivalent fractions is same.

- (A) TTFF

(B) TFTF

(C) TTTT

(D) FFFF

23. Each digit 1–9 is represented by a different letter A to I, not necessarily in that order. Further each of $(A + B + C)$, $(C + D + E)$, $(E + F + G)$ and $(G + H + I)$ is equal to 13. What is the sum of C, E and G?

(A) 7

(B) 9

(C) 11

(D) Cannot be determined

24. In a dance academy, Mandeep practices $1\frac{1}{4}$ hours in the morning and $1\frac{1}{5}$ hours in the evening daily. If the academy remains closed on every Saturday and Sunday, how much time does Mandeep spend in a week on practice?

(A) 12 hrs 15 mins

(B) 12 hrs 40 mins

(C) 14 hrs 30 mins

(D) 13 hrs 25 mins

25. A teacher gave 12 books to children to group them equally with no leftover books. This activity helps understand —

(A) Addition

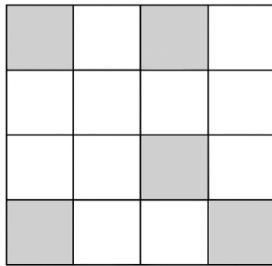
(B) Subtraction

(C) Multiples and factors

(D) Measurements

26. The smallest number of squares that must be shaded so the figure has a line of symmetry is —





- (A) 2
(B) 3
(C) 4
(D) 5
27. Using 0, 4, and 5, make the greatest 3-digit number without repetition and write in Roman numerals.
- (A) DXL
(B) CXL
(C) DCL
(D) DLX
28. What is the difference in place value of 8 and 6 in 8962321?
- (A) 7994000
(B) 7904000
(C) 7960000
(D) 7940000
29. A number divisible only by itself and 1 is called —
- (A) Prime Number
(B) Composite Number
(C) Factor Number
(D) Addend Number
30. The largest factor two or more numbers share is —
- (A) GCF – Greatest Common Factor
(B) LCF – Least Common Factor
(C) GCM – Greatest Common Multiple
(D) LCM – Least Common Multiple
31. An orchard sold 77,449 kg of fresh fruit and 503 kg of frozen fruit this season. How many kilograms in total were sold?
- (A) 77698
(B) 77574
(C) 77952
(D) 77463
32. How many minutes are there in $\frac{2}{3}$ of an hour?
- (A) 40 minutes
(B) 60 minutes
(C) 20 minutes
(D) 100 minutes
33. Which of the following statements are true or false?
- (i) The measure of the amount of surface enclosed by a closed figure is called its area.
- (ii) The area of a square with side 1 m is 1 m^2 .
- (iii) A rectangle can always be divided into unit squares.



- (iv) While finding the area of a rectangle, its length and breadth should be in the same unit.
- (A) TTFF
(B) FFFF
(C) TTTT
(D) FFTT
34. The body temperature of a patient is 5.4°F above normal. Find the temperature in $^{\circ}\text{C}$.
- (A) 38°C
(B) 98°C
(C) 50°C
(D) 40°C
35. The temperature of one object is 36°C and another 36°F . Which is hotter?
- (A) First object
(B) Second object
(C) Both same
(D) Cannot be determined
36. Reema wants to carpet a floor $13\text{ m} \times 14\text{ m}$ at ₹14 per m^2 . Find the cost.
- (A) 2455
(B) 2548
(C) 2344
(D) 500
37. The number of degrees in $4\frac{1}{3}$ right angles is —
- (A) 405
(B) 390
(C) 395
(D) 400
38. Meera decorates her room using ribbons of different lengths. Arrange them from longest to shortest.
- A 
B 
C 
D 
- (A) C D B A
(B) C D A B
(C) D C B A
(D) C A D B
39. Raj needs ₹10 ice-cream. Which set of coins helps him buy it?
- (A) 8 coins of 25p, 6 of 50p and 6 of ₹1
(B) 2 coins of 25p, 12 of 50p and 4 of ₹1
(C) 8 coins of 25p, 4 of 50p and 5 of ₹1
(D) 4 coins of 25p, 8 of 50p and 5 of ₹1
40. Aakash uses 8 small containers of 380 mL and 1 big container of 1250 mL to fill a tank. Find capacity.
- (A) 3750 mL
(B) 4290 mL
(C) 3040 mL
(D) 4190 mL



Space for Rough Work

Explore ScienceX for Classes 4–5

★ ScienceX Lab-in-a-Box

A monthly / quarterly **experiment kit for Class 4–5 students.**

- 2–3 hands-on experiments (“Make Your Own Magnet,” “Growing Plants Faster,” “Floating & Sinking”).
- Step-by-step manuals with pictures.
- QR-linked short videos.

💡 Builds science confidence.

✓ Parents save time (no extra shopping).

📄 ScienceX Project Kit

Specially designed for Class 4–5 students for **school project work.**

- Ready-to-use DIY project (“Simple Water Filter,” “Electric Quiz Board”).
- Branded report template to fill easily.
- Teacher’s evaluation sheet included.

✓ Neat, Internal Assessment–ready projects.

Student Planner & Exam Diary

A **planner for Class 4–5 children.**

- Track homework, revision, and projects.
- Fun motivational tips (QR linked).
- Parent corner for weekly signature.

✓ Teaches kids to be organized early.

📁 ScienceX Discovery Box

Monthly themed **STEM fun box:**

- Space (model rocket) 🚀
- Human Body (stethoscope) ❤️
- Renewable Energy (solar fan) ⚙️
- Forensics (fingerprints) 🕵️

✓ Each box = new adventure at home.

📖 Young Innovator Journal

A quarterly **journal for Class 4–5 students.**

- Submit essays, projects, or drawings.
- Selected work printed with student name.
- QR codes link to student presentations.

✓ Parents proudly see child’s name in print.



Scan the QR to explore & order online

ScienceX Olympiad — Post-Exam Add-On Page

Make this page useful for reflection, family engagement, and classroom reuse.

1) Reflection & Self-Assessment

My Performance Tracker

- Questions I found **easy**:

- Questions I found **tough**:

- One concept to revise:

Confidence Rating:

- ☐ Fully confident ☐ Partly confident ☐ Guessed the answer

2) Challenge Your Parent / Friend

Pick **any 3 questions** from this paper and ask your parent/sibling/friend to solve them.

Q. No.	Solved? (Y/N)	Time Taken	Who explained better?

3) Teacher's Corner

Teachers can reuse this paper for continued learning:

- Select 5 questions for a **weekly quiz**.
- Discuss the **most missed** question in class.
- Post one “**Question of the Week**” on the noticeboard.

4) Next Steps for Students

-
- File this paper in your **ScienceX Portfolio**. Reattempt it in **2 weeks** and compare scores.
 - Submit your best written explanation (any one question) to your teacher or ScienceX.
 - Top student explanations may feature in the **ScienceX Young Innovators Journal**.