INDIAN SCHOOL AL WADI AL KABIR

MIDTERM REVISION PAPER (2023-24)

Class: VI   Sub: MATHEMATICS   Max Marks: 80

Time: 3 hours

Instructions:

Section A: Multiple Choice Question (Q.1 to Q.15) & Source based Question (Q.16)

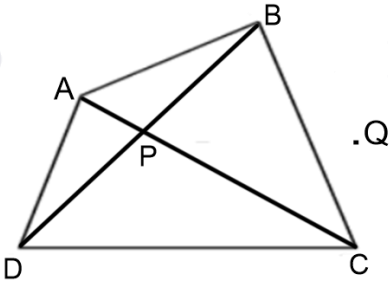Section B: Short Answer Questions of 2 marks each (Q.17 to Q.21)

Section C: Long Answer Questions (Type – 1) of 3 marks each (Q.22 to Q.26)

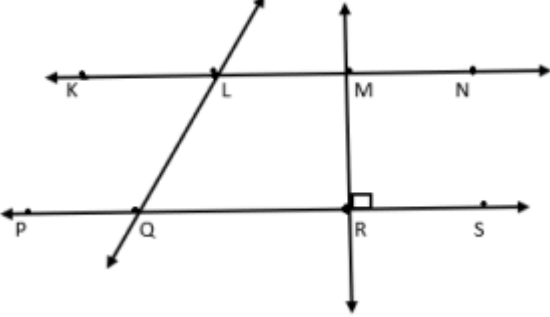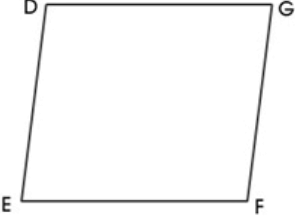Section D: Long Answer Questions (Type – 2) of 4 marks each (Q.27 to Q.31)

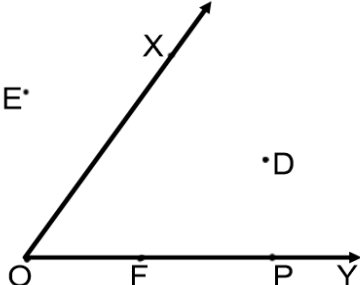& Case study Question (Q.32 & Q.34) of 5 marks each.

Section A: Multiple Choice Question (Q.1 to Q.15) of **1** mark each							
1.	The number 68846 round off to nearest hundred is:						
	A	68900	**B**	68840	**C**	68850	**D**	68800
2.	Which of the following is the fifth multiple of 12?						
	A	24	**B**	120	**C**	60	**D**	72
3.	The greatest 5 -digit number formed with the digits 7, 5, 3 and 2 is:						
	A	77253	**B**	77532	**C**	77325	**D**	77523
4.	The multiplicative identity for whole numbers is:						
	A	1	**B**	0	**C**	10	**D**	Number itself
5.	The number of whole numbers between 48 and 62						
	A	15	**B**	14	**C**	13	**D**	12
6.	The numbers having only two factors are called:						
	A	odd	**B**	even	**C**	composite	**D**	prime
7.	Which of the following is not equal to zero?						
	A	3 x 0	**B**	2 + 0	**C**	$\dfrac{0}{10}$	**D**	$\dfrac{20-20}{2}$

8.	If 360 apples are packed in boxes such that each box contains 60 apples, then the number of boxes required to pack all the apples is _____.						
	A	300	**B**	60	**C**	6	**D**	420

9.	The HCF of co-prime numbers is:						
	A	1	**B**	Any common factor	**C**	3	**D**	2

10.	A line that has two endpoints is known as:						
	A	angle	**B**	arm	**C**	Line segment	**D**	ray

11.	The region enclosed by two radii and an arc in a circle is:						
	A	semicircle	**B**	segment	**C**	sector	**D**	chord

12.	Which of the following types of curves is the letter C?						
	A	Simple closed	**B**	Non-simple closed	**C**	Non-simple open	**D**	Simple open

13.	Which one of the following numbers is divisible by both 2 and 5?						
	A	482	**B**	655	**C**	600	**D**	728

14.	The line segment joining the center of the circle with its boundary is called:						
	A	diameter	**B**	radius	**C**	circumference	**D**	chord

15.	How many prime numbers are there between 1 and 30.						
	A	10	**B**	11	**C**	12	**D**	13

16.	**Source based Question -5 Marks**
	Amy and Ann were playing some games. While playing Amy drew some figure as shown below and asked to observe the figure and answer some questions:

I	What type of polygon is ABCD?						
	A	Triangle	**B**	rectangle	**C**	Quadrilateral	**D**	pentagon

II	A point in the exterior of the figure							
	A	P	**B**	Q	**C**	B	**D**	D
III	Which point lies in the interior?							
	A	A	**B**	B	**C**	P	**D**	Q
IV	A pair of opposite vertices:							
	A	C, A	**B**	C, B	**C**	A, D	**D**	C, D
V	A diagonal in the figure is:							
	A	AB	**B**	BC	**C**	CD	**D**	BD

Section B: Short Answer Questions (Type – 1) of **2** marks each (Q.17 to Q.21)

17.	Show the following number on the Indian place value chart. Insert commas and write in words. 3411411
18.	Solve by suitable rearrangement: 456 + 933 + 144
19.	Represent 14 – 8 on the number line.
20.	Using division method write the prime factorization of 80.
21.	A strip of medicine tablet has 15 tablets. A hospital orders 530 strips in a day. How many tablets are ordered in a day?

Section C: Long Answer Questions (Type – 1) of **3** marks each (Q.22 to Q.26)

22.	Find the product by distributive property: 783 x 105
23.	In a hostel room there are three girls. During winter vacation all the three girls left for their home and after coming back each of the girls decided to visit their home town after 2 months, 4 months and 6 months respectively. After how many months again three girls will together go to their home to spend their vacation?

24.	From the given figure name the following: a) Line passing through point Q b) One pair of intersecting lines. c) A pair of parallel line
25.	Sarika has ₹82591 with her. She purchased 30 tickets for a show at ₹1100 each. How much money will remain with her after the show?

26.	In the given quadrilateral DEFG name, the following:
	
	    a) Angle opposite to F
	    b) Side adjacent to EF
	    c) Side opposite to GF

Section D: Long Answer Questions (Type – 2) (Q.27 to Q.31) **4** marks each

& Case study (Q.32 &34) of **5** marks each

27.	The number of students in three sections of class 6 in a school are 30, 35 and 40. Find the minimum number of books required for the school library for equal distribution in each section.

28.	A music concert was held for four days in a city. The number of tickets sold at the counter on the first, second, third and fourth day was respectively 151094, 81812, 97550 and 242751.
	    i) Find the number of tickets sold in all four days.
	    ii) In which day a greater number of tickets sold?
	    iii) Round off the number of tickets sold during second day to nearest 1000.

29.	Show the detailed steps in each of the following questions: i)Check whether **9236** is divisible by **4** or not ii) Check whether **47352** is divisible by **9** or not

30.	Draw a circle with ruler and compass and mark the following:
	
	    i) A diameter
	    ii) A segment
	    iii) A point in its interior
	    iv) An arc

31.	Answer the following questions based on the given figure
	i) Write the name of given angle. ii) Write the point in the exterior of the angle. iii) What is the vertex of the given angle. iv) Which points lie on the given angle.

32.	**Case Study-1:** Candle making is a relaxing activity that can help to reduce stress and promote feelings of calm. An art club conducted a charity fete to sell the candles they made. They sold 120 large candles and 80 small candles in each week. **(I)** Find the total number of candles they sold in 7 weeks. **(II)** If the cost of a small candle is ₹126, what is the cost of 80 such candles? **(III)** State the property used in the given statement: 120 + 80 = 80 + 120.

33.	**Case Study-2**
	A seminar is being conducted by an Educational Organization, where the participants will be educators of different subjects. The number of participants in Hindi, English and Mathematics are 30, 18 and 24 respectively.
	
	  I) In each room the same number of participants are to be seated and all of them being in the same subject, hence find the maximum number of participants that can accommodate in each room.
	  II) Find the LCM of 30, 18 and 24.
	  III) Find the product of HCF and LCM of 30, 18 and 24.

34.	**Case Study-3**
	In one of the popular food festivals, 39,723 people visited in the year 2008. The number of visitors were 49,750, in the year 2009. The number of visitors were 50,000 in the year 2010. The entry ticket for one person was ₹50 in 2008, ₹70 in 2009 and ₹100 in 2010. Based on the given information answer the following questions:
	(I) What is the total number of visitors in these three years?
	(II) How much amount collected for tickets in the year 2009?
	(III) In which year a greater number of people visited?

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Answer Key

Q1	D) 68800	Q2	C) 60	Q3	B) 77532	Q4	A) 1
Q5	C)13	Q6	D)prime	Q7	B)2 + 0	Q8	C)6
Q9	A)1	Q10	C)Line segment	Q11	C)sector	Q12	D) Simple open
Q13	C)600	Q14	B) radius	Q15	A)10	Q16	Quadrilateral; Q; P; (C, A); BD
Q17	34,11,411 – Thirty-four lakh eleven thousand four hundred eleven.			Q18	1533	Q20	80 = 2 X 2 X 2 X 2 X 5
Q21	7950	Q22	82215	Q23	12months	Q24	**a**)(LQ) **b**)(KN, LQ) **c**)(KN, PS)
Q25	₹49591	Q26	$\angle D; FG; DE$	Q27	LCM =840	Q28	i)573207 ii)Fourth iii)82000
Q29	i)yes ii)No	Q31	$i) \angle XOY$ ii)E, iii)O; iv)X, O, F, P, Y	Q32	I)1400 II)10080 III)commutativity	Q33	I)6; II) 360; III) 2160
Q34	I)139473	Q34	II) 3482500	Q34	III) in 2010		