





Duration: 3.0 Hrs.

Maximum Marks: 350

CODE

# SAMPLE PAPER

## For Students going to class VI in April' 2022 (Stream: Pre-Foundation)

#### PAPER SCHEME:

- The paper contains 60 Objective Type Questions divided into three sections: Section I, Section II and Section III.
- Section I contains 10 Multiple Choice Questions (1-10) based on Mental Aptitude. Each question has 4 choices (A), (B), (C) and (D), out of which ONLY ONE CHOICE is correct.
- Section II contains 35 Multiple Choice Questions (11-45) based on Mathematics. Each question has 4 choices (A), (B), (C) and (D), out of which ONLY ONE CHOICE is correct.
- Section III contains 15 Multiple Choice Questions (46-60) based on Science. Each question has 4 choices (A), (B), (C) and (D), out of which ONLY ONE CHOICE is correct.

#### MARKING SCHEME:

- Section I : For each question, 5 marks will be awarded for correct answer and -1 negative marking for incorrect answer.
- Section II & III : For each question, 6 marks will be awarded for correct answer and –1 negative marking for incorrect answer.

#### **GENERAL INSTRUCTIONS:**

- For answering a question, an **ANSWER SHEET (OMR SHEET)** is provided separately. Please fill your **Name**, **Roll Number**, **Seat ID**, **Date of Birth** and the **PAPER CODE** properly in the space provided in the **ANSWER SHEET**. IT IS YOUR OWN RESPONSIBILITY TO FILL THE OMR SHEET CORRECTLY.
- A blank space has been provided on each page for rough work.
- Violating the examination room discipline will immediately lead to the cancellation of your paper and no excuses will be entertained.
- No one will be permitted to leave the examination hall before the end of the test.

Please submit both the question paper and the answer sheet to the invigilator before leaving the examination hall.

#### FILL THE FOLLOWING INFORMATION PROPERLY BEFORE YOU PROCEED

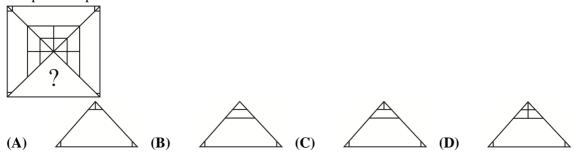
NAME	SEAT ID	
ROLL NUMBER	ROOM NO.	
INVIGILATOR'S SIGNATURE	OMR BAR CODE	

### SUGGESTIONS:

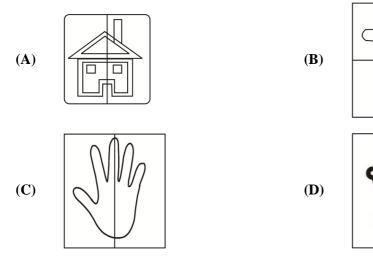
- Before starting the paper, spend 2-3 minutes to check whether all the pages are in order and report any issue to the invigilator immediately.
- Try to attempt the Sections in their respective order.
- Do not get stuck on a particular question for more than 3-4 minutes. Move on to a new question as there are 60 questions to solve.

## SECTION - I [MENTAL APTITUDE]

- 1.Find the odd one out.(A)Table(B)Chair(C)Computer(D)Bed
- **2.** Select a figure from amongst the four options, which when placed in the blank space of fig.(X) would complete the pattern?

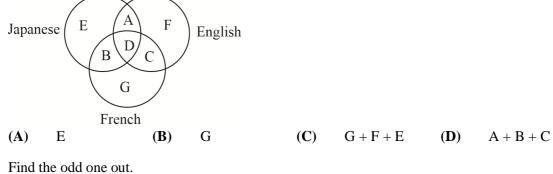


- 3. Identify the relation between the given pair on either side of : : and find the missing term. 8 : 72 :: 12 :?
  (A) 152
  (B) 144
  (C) 175
  (D) 160
- 4. Which figure has a line of symmetry?



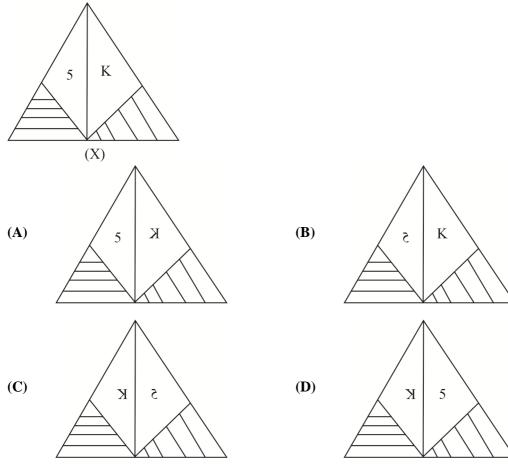
In a certain code, BEHIND is written as EBIHDN, then how can be MARKET is written in that code?
 (A) TEKRAM1 (B) MARTEK (C) AMKRTE (D) AEMTKR

6. Study the diagram and identify the people who can speak only one language.

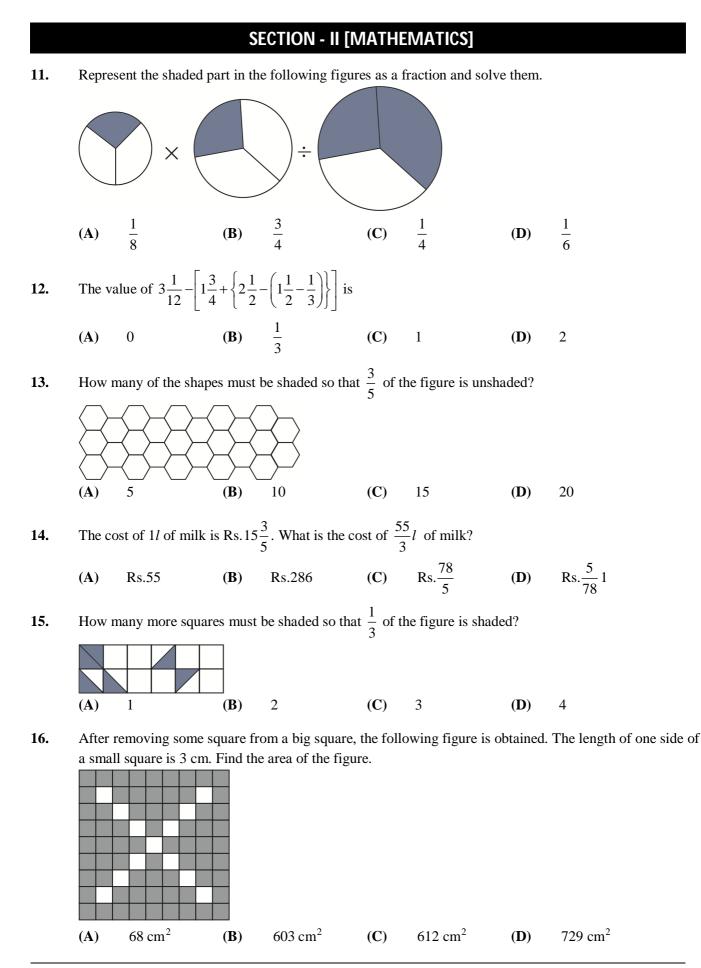


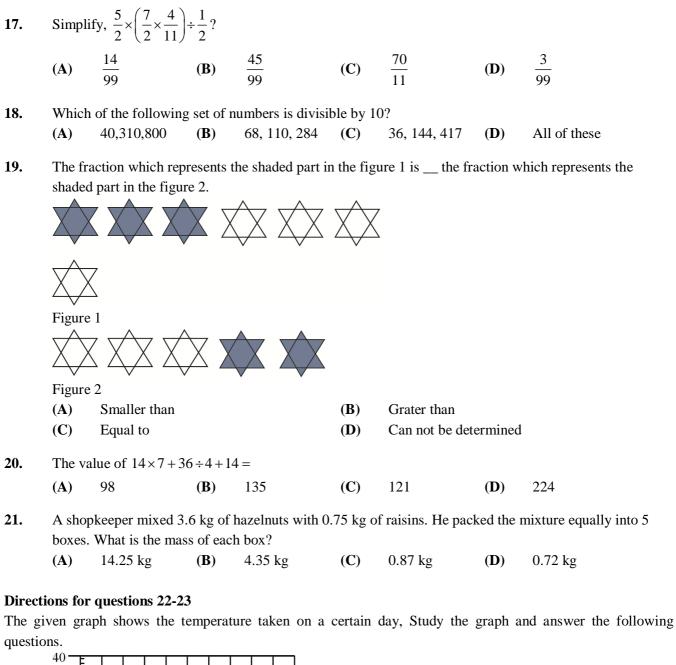
- 7.
   Find the odd one out.

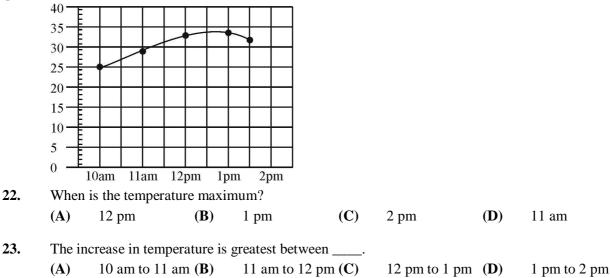
   (A)
   4298
   (B)
   3629
   (C)
   2384
   (D)
   3756
- 8. Find the mirror image of each of given figure (X)



- **9.** In a certain code, COCONUT is written as COCOTUN, then how can be CHOCOLATE is written in that code?
  - (A) HCCOLOTAE (B) COHCOETAL (C) ETALOCOHC (D) DHOCOLATF
- **10.** Among L, M, N and Q, M is heavier than L and N, N is not as heavy as L, Q is heavier than M. Who is the lightest?
  - (A) M (B) Q (C) L (D) N



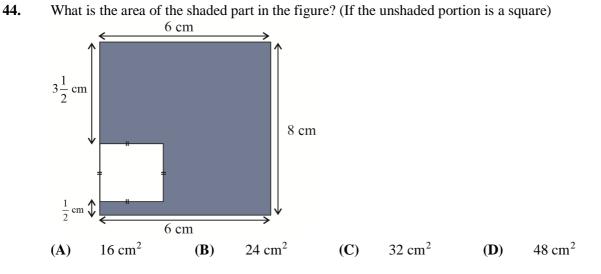




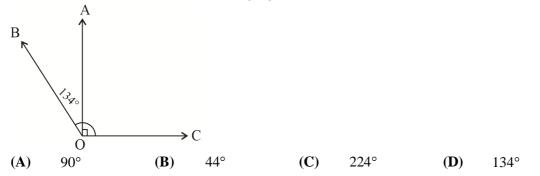
24.	Farheen worked on an art project for 2 hrs 20 minutes she finished the project at 7 : 40 pm. When did she start the project.										
	(A)	5 : 20 pm	<b>(B)</b>	6 : 30 pm	(C)	7 : 40 pm	<b>(D</b> )	10.00 pm			
25.	The radius of a circle is 4 cm. The diameter of the circle is										
	(A)	2 cm	<b>(B)</b>	8 cm	(C)	3 cm	<b>(D</b> )	5 cm			
26.	Convert 435.047 into fraction form										
	(A)	$\frac{435047}{100}$	<b>(B)</b>	$\frac{435047}{1000}$	( <b>C</b> )	$\frac{435047}{10000}$	( <b>D</b> )	$\frac{435047}{100000}$			
27.	What is the value of $5\frac{1}{2} - 2\frac{5}{6}$ ?										
	(A)	$1\frac{1}{2}$	<b>(B)</b>	$1\frac{2}{3}$	( <b>C</b> )	$2\frac{1}{3}$	<b>(D</b> )	$2\frac{2}{3}$			
28.	<ul> <li>Consider the following two statements:</li> <li>Statement 1: A proper fraction has smaller numerator than denominator</li> <li>Statement 2: An improper fraction has greater numerator than denominator</li> <li>Which one of the following options is correct about the above statements?</li> <li>(A) Statement 1 is false and 2 is true</li> <li>(B) Statement 1 is true and 2 is false</li> <li>(C) Both statements are false</li> <li>(D) Both statements are true</li> </ul>										
29.	50 <sup>th</sup> m	ultiple of X is ob	tained b	y which one of t	he follo	wing expression	?				
	(A)	$50 \times X$	<b>(B</b> )	$\frac{50}{X}$	(C)	$\frac{2(50)}{X}$	( <b>D</b> )	$2(50) \times X$			
30.	The product of two numbers is $9\frac{3}{4}$ if one of them is $3\frac{1}{4}$ , find the other number.										
	(A)	$2\frac{1}{4}$	<b>(B)</b>	3	( <b>C</b> )	$\frac{1}{4}$	( <b>D</b> )	$1\frac{1}{4}$			
31.	Suman quickly estimated the product of 796×19 in the following manner: He rounded each number to the nearest ten. He multiplied these new numbers together. What was Suman's estimate? (A) 14,000 (B) 15,010 (C) 15,200 (D) 16,000										
32.	Which (A)	n of the following 38,400	g, when 1 ( <b>B</b> )	ounded off to th 38,500	e neares (C)	t thousand, is 38 38,600	5,000? ( <b>D</b> )	38,700			
				·		·	( <b>D</b> )	30,700			
33.	The pi (A)	roduct of a fraction	onal nun ( <b>B</b> )	ber and its mult	iplicativ (C)	e inverse is. Number itself	( <b>D</b> )	None of these			
34.	What $\leftarrow + 0$	fraction on the m $\frac{1}{8}$ $\frac{1}{2}$ $\frac{3}{4}$	umber lin	ne below is in th	e wrong	place?					
	(A)	1	<b>(B</b> )	$\frac{1}{8}$	(C)	$\frac{1}{2}$	( <b>D</b> )	$\frac{3}{4}$			

35.				sks to place into ks will be in eac			ne numb	er of desks is placed in
		5198	( <b>B</b> )	3246	(C)	4198	<b>(D</b> )	4246
36.	What fra	ction of the fig	gure is s	haded?				
	(A) -	<u>1</u> 4	<b>(B)</b>	$\frac{3}{8}$	(C)	$\frac{3}{14}$	( <b>D</b> )	$\frac{1}{3}$
37.	Which fr	action is great	er than	$\frac{1}{2}$ ?				
	(A) -	<u>1</u> 4	<b>(B)</b>	$\frac{1}{3}$	(C)	$\frac{3}{8}$	( <b>D</b> )	$\frac{3}{4}$
38.	56 has ( <b>A</b> ) 4	factors.	<b>(B)</b>	6	(C)	7	( <b>D</b> )	8
39.		+ XX =		25		4.4		76
		5	<b>(B)</b>	35	( <b>C</b> )	44	( <b>D</b> )	76
40.	$\frac{4}{5} + \frac{6}{7} + \frac{1}{7}$	$\frac{19}{3} = 7\frac{A}{105}$						
	Which or	ne of the follo	wing sho	ould come in pla	ce of A i	in the given abov	ve expres	ssion?
	( <b>A</b> ) 1	04	<b>(B</b> )	94	( <b>C</b> )	105	<b>(D</b> )	44
41.		he product of $\frac{15}{36}$	(B)	tions of shaded p	arts?	1	( <b>D</b> )	$\frac{5}{36}$
		36		36	. ,	36	. ,	36
42.						mference of a ci	rcle. Jac	k joins A to B, B to C, C
				segments are			(D)	
	(A) F	Radius	<b>(B</b> )	Arc	( <b>C</b> )	Chord	<b>(D</b> )	All of these
43.	0	U U	•	nd the perimeter			g rectang	gle. The length of one
	( <b>A</b> ) 3	52 cm	2 cm ( <b>B</b> )	56 cm	(C)	64 cm	( <b>D</b> )	128 cm

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**45.** The measures of  $\angle AOB$  in the following figure is



## **SECTION - III [SCIENCE]**

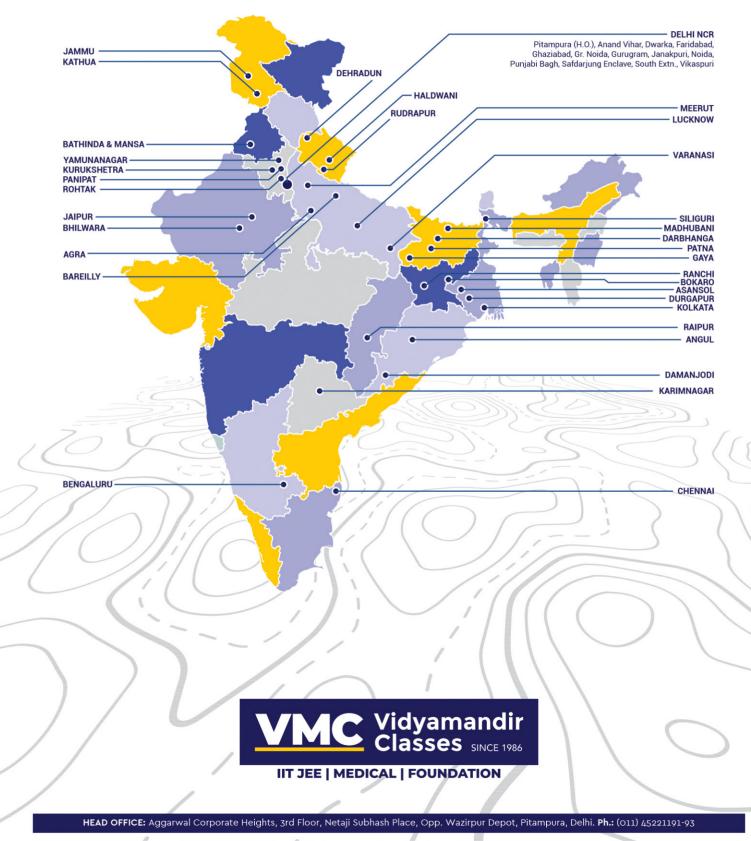
46.	As a balloon is filled with water, it expands and increases in weight. This shows that water:									
	(A)	has mass			<b>(B</b> )	occupies space	e			
	( <b>C</b> )	is a kind of ma	atter		<b>(D</b> )	All of these				
47.	The bo	ody is able to mo	ve becau	use the muscular	system works together with system.					
	(A)	respiratory	<b>(B</b> )	skeletal	(C)	digestive	<b>(D</b> )	circulatory		
48.	Polio i	s also called								
	(A)	infantile paraly	vsis		<b>(B)</b>	lockjaw				
	( <b>C</b> )	hydrophobia			<b>(D</b> )	varicella				
49.	What l	nelps in preventin	ng comr	nunicable diseas	es?					
	(A)	Keeping the su	rroundi	ngs clean	<b>(B)</b>	Vaccinations				
	( <b>C</b> )	Boiling and filt	tering of	drinking water	<b>(D</b> )	All the above				
50.	An exa	ample of a force	in the di	rection of motion	n is					
	(A)	opening a door	•		<b>(B)</b>	applying brak	tes sudde	nly to a moving car		
	(C)	a batsman hitti	ng a cric	ket ball	<b>(D</b> )	drawing wate	r form a	well		
51.	A non-	-biodegradable w	vaste is							
	( <b>A</b> )	metallic tins	<b>(B)</b>	plastic	( <b>C</b> )	polythene	<b>(D</b> )	all the above		

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	•	•						
52.		waves are called						
	(A)	tsunami	<b>(B)</b>	wind	( <b>C</b> )	air	( <b>D</b> )	lava
53.	-	given time, diffe	-		-		ns. Apar	t from the earth's
	(A)	The Earth's rot	ation		<b>(B)</b>	-	-	the Earth's orbit
	( <b>C</b> )	The presence of	f the mo	on	<b>(D</b> )	The tilt of the I	Earth's a	axis of rotation
54.	Which	part of the huma	n skelet	on protects the h	eart?			
	(A)	Skull	<b>(B)</b>	Ribs	(C)	Backbone	( <b>D</b> )	Limbs
	<b>T</b> 1	1 61						
55.		number of bones		•	$(\mathbf{C})$	250	<b>(D)</b>	200
	(A)	206	<b>(B)</b>	209	( <b>C</b> )	250	( <b>D</b> )	300
56.	More a	mount of salt dis	solve in	water at a highe	er tempe	rature. This is be	ecause, t	pon heating.
	(A)	the molecules r	nove fas	ter and farther				
	<b>(B)</b>	the number of r	nolecule	es decrease causi	ing more	e space		
	( <b>C</b> )	the molecules b	ecome s	smaller creating	more sp	ace		
	<b>(D</b> )	all of these						
57.	Which	of the following	is a con	nmunicable dise	ase?			
	(A)	<b>O</b> besity	(B)	Allergy	(C)	Anaemia	( <b>D</b> )	Typhoid
-0					. ,		. ,	
58.		y the sources of v						N (*11
	(A)	Amla	<b>(B)</b>	Ground nut all	( <b>C</b> )	Meat	( <b>D</b> )	Milk
59.	What c	lo you mean by r	oncomr	nunicable diseas	e?			
	(A)	The disease that	t spread	from a sick pers	son to a	healthy person		
	<b>(B)</b>	The disease that	t do not	spread from a si	ick perso	on to a healthy pe	erson	
	( <b>C</b> )	A common dise	ease					
	<b>(D</b> )	An uncommon	disease					
60.	Which	of the following	stateme	ents is correct?				
	(A)	Solids have def	inite sha	ape and volume				
	<b>(B)</b>	Liquids have fin	xed volu	ime but not defin	nite shap	be.		
	( <b>C</b> )	Gases have defi	inite sha	pe but not defin	ite volur	ne		
	<b>(D</b> )	Both (a) and (b	) are cor	rect				

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