





#### **QUESTION PAPER**

M.M:60	Time: 60 minutes

### OFFLINE EXAMINATION (PHASE-II)

CLASS - VI

Name:	Reg. No	Mobile No.

#### General Instructions:

- 1. Duration of the examination is 60 minutes. Question Paper contains 60 questions with maximum 60 marks.
- 2. There will be negative marking in Phase II, i.e. ¼ mark will be deducted for each incorrect answer.
- 3. Use of gadgets is not allowed.
- 4. Students must abide by the instructions issued during the examination by the invigilator or the centre incharge.
- 5. Before attempting the question paper ensure that it contains all pages & no question is missing.
- 6. Immediately fill in the particulars on this page of the test booklet and OMR with BLACK ballpoint pen only. Use of pencil is strictly prohibited.
- 7. Fill and darken the bubbles completely. Do not put a tick or a cross.
- 8. Half –filled or over-filled bubbles will not be read by the software & liable to be rejected.

Correct Method	Wrong Method
	$\otimes \bigcirc \bigcirc \bigcirc$

Student's Signature

Invigilator's Signature

SPACE FO	R ROUGH WORK
2	Page

English (15 marks) Choose the most appropriate option: Direction (Q1 & Q2): Identify the underlined word given in the sentence: Q1. Somebody knocked on the door <u>but</u> nobody answered. (a) Adverb (b) Conjunction (c) Adjective (d) Preposition Q2. If we finish our work quickly, we can go to play. (c) Interjection (a) Adjective (b) Adverb (d) Pronoun Q3. It was \_\_\_\_\_ who offered her a job. (a) I (b) him (c) her (d) me Q4. Identify the underlined pronoun in the sentence:-The cat opened the door itself. (a) Reflexive Pronoun (b) Emphatic Pronoun (d) None of these (c) Personal Pronoun Q5. If you take three dresses, you \_\_\_\_\_ one dress free. (a) are going to get (b) are getting (c) will get (d) may get Q6. The plants \_\_\_\_\_ before it rains. (b) will have dried (c) had dried (a) dried (d) dry Q7. He came here \_\_\_\_\_ boat. (b) in (a) on (c) of (d) by Q8. None \_\_\_\_\_ the brave deserves the fair. (b) from (d) but (a) by (c) to **Q9.** Identify the type of verb used in the following sentence: The bank opens at 9 o'clock. (a) Transitive verb (b) Intransitive verb (c) Auxiliary verb (d) None of these Q10. Identify the underlined kind of adjective in the sentence: We went to the theatre to watch a Shakespearean play. (b) Adjective of quantity (a) Adjective of quality (c) Proper adjective (d) Adjective of number

Q11. Sneha is	than most other students of	the class.				
(a) taller	(b) tallest (c) most taller (d) more tall					
Direction (Q12 &	Q13) : Choose the correct Indir	ect Speech:				
Q12. I said to her,	"Has he been working since yes	sterday?"				
(a) I asked her if	he had been working since the pr	revious day?				
(b) I said her if h	ne had been working since yesterd	lay.				
(c) I asked her if	he had been working since the pr	revious day.				
(d) I asked her if	he has been working since the pr	evious day.				
Q13. He said to me	e, "I shall write a novel."					
(a) He told me th	nat he should write a novel.					
(b) He told me th	nat he would write a novel.					
(c) He told to me	e that he would write a novel.					
(d) He told to me	e that he should write a novel.					
Direction (Q14 & Q	(15): Identify the underlined 'Pa	art of Speech' in the	following			
sentences:						
Q14. Take whatev	er you want, <u>only</u> let me go.					
(a) adverb	) adverb (b) preposition (c) conjunction (d) adjective					
Q15. It <u>needs</u> to be	e done with care.					
(a) verb	(b) adverb	(c) noun	(d) adjective			
	Mathematics (15 M	Marks)				
Q16. Find the sma numbers fron	llest whole number that leaves an 1 to 10.	a remainder of 1 wh	en divided by all			
(a) 2520	(a) 2520 (b) 2521 (c) 2250 (d) 2251					
	d a container of fresh eggs. He s	· ·				
sold 210 eggs	in the afternoon. At the end of t	the day, he found th	at $\frac{1}{4}$ of the eggs			
were not sold.	. How many eggs did he receive	in the beginning?				
(a) 468	(b) 460	(c) 360	(d) None of these			
Q18. The LCM of	two distinct natural numbers is	211. What is their	HCF?			
(a) 211	(b) 11	(c) 21	(d) 1			

Q19. Six rectangles each v	with a common base	width of 2 cm, having	lengths of 3 cm,	
4 cm, 11 cm, 19 cm, 2	27 cm and 37 cm. Wl	nat is the sum of the ar	eas of the six	
rectangles?				
(a) $182 \text{ cm}^2$	(b) $202 \text{ cm}^2$	(c) $192 \text{ cm}^2$	(d) $206 \text{ cm}^2$	
Q20. What must be added	d to the numbers 6, 1	0, 14 and 22 so that th	ey are in	
proportion?				
(a) 2	(b) 4	(c) 6	(d) None of these	
Q21. Hariom and Tejas a	re each told to calcul	late 16 – (4 – 7). Hario	m gets the correct	
answer. Tejas ignore	s the parentheses an	d calculates 16 – 4 – 7	. If Hariom's	
answer is <i>H</i> and Teja	s's answer is $T$ , wha	t is the value of T – H?		
(a) - 14	(b) 14	(c) - 10	(d) 10	
Q22. If ₹510 be divided a	mong A, B, C in such	h a way that A gets $\frac{2}{3}$	of what B gets, and	
B gets $\frac{1}{4}$ of what C ge	ts, then their shares	are respectively:		
(a) ₹120, ₹240, ₹150		(b) ₹60, ₹90, ₹3	360	
(c) ₹150, ₹300, ₹60		(d) ₹90, ₹60, ₹3	360	
Q23. A rectangle and a sq	uare have the same	perimeter. The length	of the rectangle is	
twice its width, and t	he side of the square	e is 6 cm more than the	width of the	
rectangle. Find the a	rea of both the recta	ngle and the square.		
(a) 288 cm, 324 cm		(b) $288 \text{ cm}^3$ , $32$	$4 \text{ cm}^3$	
(c) $288 \text{ cm}^2$ , $334 \text{ cm}^2$		(d) None of these		
Q24. A 2-digit number is	such that the produc	ct of the digits plus the	sum of the digits is	
equal to the number.	What is the unit dig	git of the number?		
(a) 7	(b) 9	(c) 8	(d) 6	
Q25. A person distributes			0 1	
$\frac{1}{5}$ : $\frac{1}{6}$ . What is the min	nimum number of pe	ens that the person sho	ould have?	
(a) 87	(b) 57	(c) 27	(d) None of these	
Q26. Consider a shape con	mposed of three squa	ares of side lengths 3 c	m, 4 cm, and 5 cm,	
all connected side-by-s	side in a straight line	e. Calculate the perime	eter of this shape.	
(a) 24 cm	(b) 44 cm	(c) 34 cm	(d) 50 cm	
Q27. A frequency table lis	sts the number of stu	idents who scored in d	ifferent score	
ranges in a Math test:				
<b>50-59: 5 students</b>				
<b>60-69: 12 students</b>				
<b>70-79: 8 students</b>				
80-89: 10 students				
What is the probability th	nat a randomly select	ted student scored bety	ween 60 and 79?	
(a) $\frac{7}{4}$	(b) $\frac{4}{7}$	(c) $\frac{3}{7}$	(d) none of these	

_	the boys to girls in a class i o of boys to girls is	•	s leave this class, then
(a) 8:15	(b) 8:3	(c) 3:7	(d) 4:7
Q29. Jayant has tv	wo identical wooden pyram		are base. He glues the
two bases tog	ether to make a new bigge	r wooden shape. How	v many vertices are
there in the n	ew bigger shape?		
(a) 8	(b) 10	(c) 6	(d) 4
Q30. 28 mango tro	ees, 42 apple trees and 21 o	range trees have to b	e planted in rows such
that each row	contains the same number	r of trees of one varie	ety only. The minimum
number of ro	ws in which the above tree	s may be planted are	·•
(a) 13	(b) 11	(c) 9	(d) 10
	Science (1	5 Marks)	
	Physics (5	Marks)	
Q31. Imagine you	are walking around a circ	ular track. If you sta	rt at point A and walk
halfway arou	nd the track to point B, wh	nich of the following	statements about your
displacement	is true?		
(a) Your displ	acement is the same as the d	istance you walked.	
(b) Your displ	acement is half the distance	you walked.	
(c) Your displ	acement is zero because you	returned to the starting	ng point.
(d) Your displ	acement is the straight-line	distance between poin	t A and point B.
Q32. Choose the in	ncorrect statement:		
(a) Heat can d	estroy magnetic properties of	of a magnet.	
(b) Magnets a	re made up of different mate	rials and different sha	pes.
(c) There is a	minimum attraction in the m	iddle of a magnet.	
(d) Horseshoe	magnets are stored in pairs.		
Q33. Which of the	following scenarios demo	nstrate the concept o	f relative motion?
(a) A passenge	er sitting inside a moving bu	s observing the trees of	outside.
(b) A car mov	ing on a straight road at a co	onstant speed.	
(c) An athlete	running on a track with incr	easing speed.	
(d) A pendulu	m swinging back and forth i	n a clock.	

| P a g e

# Q34. If you place a small object closer to a light source, how will the size of the shadow change and why?

- (a) The shadow will become smaller because the object blocks less light.
- (b) The shadow will become larger because the object blocks more light.
- (c) The shadow will remain same regardless of the object's position.
- (d) The shadow will disappear because the light source becomes too bright.

## Q35. What happens when you connect a battery to a circuit with a bulb and the bulb does not light up? Which of the following could be a possible reason?

- (a) The battery is too powerful for the bulb.
- (b) The wires in the circuit are too long.
- (c) There might be a break in the circuit or a loose connection.
- (d) The switch is in the 'ON' position.

### Chemistry (5 Marks)

## Q36. A recycling centre receives a mixed load of paper, plastic, glass, and metal. Which material should be sorted first and why?

- (a) Glass, because it is the heaviest.
- (b) Plastic, because it is the most commonly used.
- (c) Paper, because it is often the least dense and easy to handle.
- (d) Metal, because it is valuable.

### Q37. Which of the following statements is correct?

- (a) Decantation can be used to separate a mixture of oil and water.
- (b) Filtration is used to separate sugar from water.
- (c) Evaporation is used to separate a mixture of sand and iron filings.
- (d) Sieving is used to separate salt from water.

### Q38. Which of the following best describes the formation of malachite?

(a) A shiny silver layer.

- (b) A hard, smooth surface on silver.
- (c) A flaky, reddish-brown substance on iron.
- (d) A greenish colour on copper.

Page		
Q39. If a student wants to separ	rate a mixture of sand, salt, and	d iron filings, which
sequence of methods would	l provide the most efficient sep	paration?
(a) Evaporation $\rightarrow$ Filtration	→ Magnetic separation	
(b) Magnetic separation $\rightarrow$ F	Filtration → Evaporation	
(c) Filtration → Magnetic seg	paration → Evaporation	
(d) Handpicking → Magnetic	c separation → Filtration	
Q40. When air is heated, what h	nappens to its density?	
(a) It increases	(b) It decreases	
(c) It remains the same	(d) It fluctuates	3
	Biology (5 Marks)	
Q41. Which of the following is a	characteristic of herbaceous	plants?
(a) They have a hard, woody	stem. (b) They usuall	y live for several years.
(c) They have a soft, green st	tem. (d) They do not	t produce flowers.
Q42. Which of the following bor	nes is a part of the human arm	1?
(a) Femur (b) Hume	erus (c) Tibia	(d) Cranium
Q43. What is the role of dietary	fat in the absorption of vitam	ins?
(a) It helps to digest carbohy	drates.	
(b) It enhances the flavour of	f food.	
(c) It aids in the absorption o	of fat-soluble vitamins (A, D, E,	K).
(d) It replaces carbohydrates	in the diet.	
Q44. What is the primary role o	of phloem in a plant?	
(a) To absorb sunlight.		
(b) To conduct photosynthes	is.	
(c) To transport sugars and o	organic substances produced dur	ing photosynthesis.
(d) To store water.		

Q45. What type of fats should be limited in the diet to reduce the risk of heart disease?

(b) Saturated fats

(d) All of these

(a) Unsaturated fats

(c) Omega-3 fatty acids

### Aptitude (15 Marks)

Q46. In the following ques	stion, select the related le	etters from the give	n alternatives.
ACI: 169::?: 36			
(a) DET	(b) BEB	(c) CAI	(d) ABC
Q47. Ram is to the South-	East of Mukesh, Shyam	is to the East of Mu	kesh and North-
East of Ram. If Sures	sh is to the North of Ran	n and North-West of	f Shyam. In which
direction of Mukesh	is Suresh located?		
(a) North – West	(b) South – West	(c) North – East	(d) South – East
Q48. A clock is set right a	t 4 a.m. The clock gains	14 minutes in 24 hrs	s. What time will
the clock show when	the true time is 4 p.m. o	n the following day?	•
(a) 4 : 21 a.m.	(b) 4 : 07 p.m.	(c) 3:39 p.m.	(d) None of these
Q49. Choose the odd one	out.		
(a) KQ14	(b) AY13	(c) MR11	(d) GW15
Q50. In a certain code lan	guage 'EXAMINATION	N' is coded as '56149	9512965'. How will
'MOBILITY' be code	ed as in that code langua	age?	
(a) 46293927	(b) 12250623	(c) 42962397	(d) 35225276
Q51. Find the missing nur	mber in the series given	below:	
<b>4, 18,</b> ?, 1	100, 180, 294		
(a) 32	(b) 42	(c) 48	(d) 40
Q52. P's mother is Q's da	ughter. P's maternal au	nt is R and Q's siste	r is S. How is 'S'
related to 'R'?			
(a) Aunt	(b) Sister	(c) Niece	(d) Mother
Q53. How would the word	l 'PIMENTO' be writter	n if each of its conso	nants is
substituted by a letter	r third to its right in the	English alphabet ar	nd each of its
vowels is substituted	by the fourth consonant	to its right in the E	nglish alphabet?
(a) SMPIQWR	(b) SMPJQWS	(c) SMPJQWR	(d) None of these
Q54. Complete the series:			
4/12/95, 1/1/96, 29/1/9	06, 26/2/96, ?		
(a) 24/3/96	(b) 25/3/96	(c) 26/3/96	(d) 27/3/96

Q55. A girl leaves from he	er house. She f	first walk	s 30 m	in the North-V	West direction and
then 30 m in the South-West direction. Next, she walks 30 m in the South-East					
direction. Finally, sh	e turns toward	ds her ho	use. In v	which directio	n is she moving?
(a) North-West	(b) North-E	East	(c)	South-East	(d) South-West
Q56. Pointing to a photog	raph, a man s	aid, "I ha	eve no b	rother or sist	er but that man's
father is my father's	son". Whose p	photogra	ph was	it?	
(a) His son's	(b) His own	n	(c)	His father's	(d) None of these
Q57. If the Republic Day	of India in 198	80 falls o	n Satur	day, 'P' was b	orn on March 3,
1980 and 'T' is older	to 'P' by four	days, the	en 'T's'	birthday falls	s on
(a) Thursday	(b) Friday		(c)	Wednesday	(d) None of these
Q58. Choose the correct of 47:65::95:?	option:				
(a) 111	(b) 99		` ′	106	(d) 127
Q59. In the following que	stion, which n	umber w	ill comp	olete the given	pattern, when
placed at the sign of	interrogation (	(?) ?			
	2 9		7		
	8 5		-3		
	7 3		-4		
	6 4	10	?		
(a) 10 and (-2)	(b) 3 and (-	-2)	(c)	10 and 2	(d) None of these
Q60. Select the Venn diag following classes: Pa				_	tween the
(i)	(ii)	7	(iii)	000	(iv) (iv)
(a) B	(b) A		(c)	D	(d) C

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