





QUESTION PAPER

M.M:60			Time: 60 minutes
	OFFLINE EXAMINATION (PHASE-II	

CLASS - VII

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		

	English (15)	marks)			
Choose the most appropriate option.					
Q1. Ram along with his bro	others	_coming today.			
(a) are	(b) were	(c) is	(d) have been		
Q2. She is entirely right. Identify the kind of adv	erb 'entirely' used i	n the above sentence:			
(a) Adverb of manner		(b) Adverb of o	(b) Adverb of degree		
(c) Adverb of number		(d) Adverb of o	(d) Adverb of quality		
Q3. Choose the correct Nor Why do you ignore my	_	iven sentence:			
(a) Gerund		(b) Infinitive			
(c) Past Participle		(d) Perfect Parti	ciple		
Q4. I acquiesced	his decision.				
(a) in	(b) to	(c) with	(d) by		
Q5. He gave a talk	the causes of de	ngue fever.			
(a) of	(b) on	(c) for	(d) off		
Q6. You would	_believe me when I	tell you what I saw.			
(a) seldom	(b) often	(c) rarely	(d) scarcely		
Q7. I would have been succ	essful provided	•			
(a) I get an opportunity		(b) I would get	(b) I would get an opportunity		
(c) I had got an opportunity		(d) None of the	(d) None of the above		
Q8. They barely knew each	other,	?			
(a) did they	(b) didn't they	(c) does they	(d) doesn't they		
Q9. Someone has taken my	book,?				
(a) hasn't he	(b) hasn't they		(d) has he		
Q10. By next month, she _	that job 1	for six months.			
(a) will be doing		(b) will have be	een doing		
(c) will have done		(d) shall be doi	C		
Q11. Prepare yourself for t	•	ne correct passive voic	ee)		
(a) You will prepared for the v					
(b) Be prepared for the worst.(c) The worst shall prepared by yourself.					
(d) For the worst, preparation can be done by you.					
(a) I of the worst, property	3 P a g				

O12.	Choose	the	correct	statement:

- (a) He sweared that he had not stolen the bag.
- (b) He was swearing that he had not stolen the bag.
- (c) He swore that he had not stolen the bag.
- (d) None of these

Q13. The man said, "Let me have the first choice."

- (a) The man wished that he should have the first choice.
- (b) The man proposed to have the first choice.
- (c) The man desired that he had the first choice.
- (d) The man claimed that he had the first choice.

Q14. The kidnappers said, "If you do not pay the ransom, we will kill the boy."

- (a) The kidnappers said that if they paid not the ransom, they will kill the boy.
- (b) The kidnappers threatened to kill the boy if they did not pay the ransom.
- (c) The kidnappers threatened that if the parents of the boy did not pay the ransom, the boy will be killed.
- (d) The kidnappers said to them that if you had not pay the ransom, we shall kill the boy.

Q15. I, like Mohan and Sohan, ______fond of mangoes.

(a) are

(b) was

(c) am

(d) were

Mathematics (15 Marks)

Q16. Simplify: $63 - (-3) \left[\left\{ -2 - \overline{8 - 3} \right\} \div 3 \left\{ 5 + (-2)(-1) \right\} \right]$

(a) 26

(b) 48

(c) 62

(d) 96

Q17. If $\frac{x}{y} = \frac{9}{8}$, then the value of $\left(\frac{6}{7} + \frac{y-x}{y+x}\right)$ equals to ______.

(a) $\frac{9}{119}$

(b) $\frac{95}{119}$

(c) $\frac{19}{119}$

(d) $1\frac{9}{119}$

Q18. If the mean of observations 14, 5, 4, 8, 2, 3, x is x, then find the value of x.

(a) 6

(b) 7

(c) 8

(d) 9

Q19. There are three angles. The second angle is one - third of the complement of the first angle. The third angle is half of the supplement of the first angle. The third angle is 6 times the second angle. Find the first angle.

(a) 45^0

(b) 60°

(c) 75^0

(d) 90°

Q20. A wire is	in the form	of a square of side 18	8 m. It is bent in the f	orm of rectangle,
whose leng	th and brea	dth are in the ratio o	f 3:1. What is the are	a of the rectangle?
(a) 81 m^2		(b) 243 m^2	(c) 144 m^2	(d) 324 m^2
Q21. The two	sides of a tri	angle are 20 m and 4	0 m. Find the maxim	um length of the
third side,	if angles are	in the ratio of 1:2:3.		
(a) 20.5		(b) 25	(c) $20\sqrt{5}$	(d) 22
Q22. If an exte	erior angle o	f a triangle is 145° ar	nd one of the interior	opposite angles is
75°, then o	ther angle is	14°×k. Find k.		
(a) 3		(b) 4	(c) 5	(d) 6
Q23. Choose the	he correct oj	ption to fill in the bla	nks.	
(i) If Nikita	a travels 252	km in 12 hours, thei	n she travelsP	km in 21 hours.
(ii) If cost p	price of 5 ch	airs and 6 tables is ₹	750 and ₹3600 respec	tively, then cost price
of 3 such c	hairs and 2 s	such tables is ₹ <u>Q</u>	<u>.</u> •	
(iii) The ra	tio of the nu	mber of boys to total	number of students	in a class is <u>R</u> , if
the numbe	r of boys and	d girls are 36 and 18	respectively.	
P	Q	R		
(a) 400	1680	2:3		
(b) 325	2650	3:2		
(c) 441	1650	2:3		
(d) 441	3280	3:4		
Q24. Raghav v	was measuri	ng a piece of cloth of	length 2.5 m but by r	nistake he measured
its length as 25	55 cm. Find t	the change in percen	tage in measuring the	e length.
(a) 1.5%		(b) 2.5%	(c) 2%	(d) 1%
Q25. A circle i	is inscribed i	in a square of side 14	m. The ratio of the	area of the circle and
that of the	square is	•		
(a) $\pi:3$		(b) $\pi:4$	(c) $\pi:2$	(d) $\pi:1$
Q26. The strai	ght lines AB	and CD intersect at	E. If EF and EG are	bisectors of
∠DEA and ∠	∠ <i>AEC</i> respec	ctively and if $\angle AEF =$	$= x \rightleftharpoons \text{ and } \angle AEG = y$,then
(a) $x + y >$	· 90°		(b) $x + y < 90$	00
(c) $x + y =$	= 90 ⁰		(d) x + y = 18	80^{0}

Q27. Which of the following statements is true?

Statement-1: If $x = \left(\frac{2}{3}\right)^4 \div \left(\frac{2}{3}\right)^2$, then value of $x^2 + 2x + 3$ is 0

Statement-2: If $\left(-\frac{1}{2}\right)^4 \times (-2)^8 = (-2)^{4x}$ then x = 1.

- (a) Only Statement-1
- (b) Only Statement-2
- (c) Both Statement-1 and Statement-2
- (d) Neither Statement-1 nor Statement-2

Q28. The perimeter of a rectangular garden is 2.2×108 km and length is 0.4×108 km. Find the area of the garden in standard form.

- (a) $8 \times 10^6 \text{ km}^2$
- (b) $2.8 \times 10^{15} \,\mathrm{km}^2$
- (c) $80 \times 10^8 \,\mathrm{km^2}$ (d) $28 \times 10^{14} \,\mathrm{km^2}$

 $\frac{2x}{2} = 1, \text{ then find the value of } \frac{x+1}{4x-2}.$ **Q29. If** $1 + \frac{1}{2}$

(a) $\frac{5}{4}$

(b) $\frac{3}{2}$

- (c) $\frac{3}{4}$
- Q30. Anita brought certain number of chocolates on her birthday to distribute among the students of her class. If she distributes 3 chocolates to each student, 10 chocolates will be left over. If she distributes 4 chocolates to each student, five students will not get any chocolates. Find the number of chocolates she brought to the class.
 - (a) 120

(b) 100

- (c) 104
- (d) 200

Phy.+Chem. +Bio. Science (15 Marks)

Physics (5 Marks)

- Q31. A train passes over a 400m long bridge. If the speed of the train is 30m/s and the train takes 20s to cross the bridge, find the length of the train.
 - (a) 400m

(b) 600m

- (c) 800m
- (d) 200m

Q32. Total internal reflection occurs	when light travels from		
(a) a rarer medium to a denser medium & the angle of incidence is less than the critical angle.			
(b) a denser medium to rarer mediuangle.	am & the angle of incidence is greater than the critical		
(c) a rarer medium to denser medium(d) a rarer medium to a denser medical angle.	im. lium & the angle of incidence is greater than the		
Q33. During short circuiting, the val	ue of electric current in a circuit		
(a) becomes zero	(b) increases very high		
(c) doesn't change	(d) changes continuously		
	a beaker filled with ice at 0°C. The beaker is does not rise for some time. This is		
(b) heat was used for changing ice	at 0°C to water at 0°C.		
(c) the density of water is more tha	n ice.		
(d) the density of water is less than	ice.		
upwards. Let O be a pole of the i			
(b) real and will remain at C.			
(c) real and located at point between	en C and (infinity).		
(d) virtual and located at a point be	etween C and O.		
Che	emistry (5 Marks)		
Q36. Acids are the substances that y	ield H ⁺ ions in aqueous solutions while bases yield		
OH ions. In a neutral solution:			
(a) there are no H ⁺ ions.			
(b) there are no OH ions.			
(c) there are neither H ⁺ nor OH ⁻ ior	ns.		
(d) H ⁺ and OH ⁻ ions are present in very small but equal in number.			

Q37. Which of the followi	ng is an endothermic	reaction?	
(a) Heating carbon with	sulphur to form carbo	on disulphide.	
(b) Diluting concentrate	ed sulphuric acid.		
(c) Combustion of fuel	in a rocket.		
(d) All of these			
Q38. If the sun produces 1		y, the amount of energy	y at the level of
secondary consumer v (a) 100 units	vould be (b) 0.1units	(c) 10 units	(d) 1 unit
Q39. Which of the followi	` /		
(a) Paper manufacturers			rotection group
(c) Environmentalists		(d) Matches ma	
Q40. Test tubes P and Q o	contain equal amount	` ,	
	-	m carbonate to test tul	
of the following observ			
G		guish a burning splinte	er.
,,		guish a burning splint	
(iii) The gas evolved in			
(iv) The gases evolved	in test tubes P and Q	are H ₂ and CO ₂ resp	ectively.
(a) (i), (ii) and (iii)		(b) (i) and (iv)	
(c) (i), (iii) and (iv)		(d) (iii) and (iv	·)
	Biology (5 M	Marks)	
Q41. Syngamy refers to:			
(a) fusion of one of the	sperm with secondary	nucleus.	
(b) fusion of one of the	sperm with the egg.		
(c) fusion of one of the	sperm with an egg and	the other with the secon	ndary nucleus.
(d) fusion of one of the	sperm with synergid.		
Q42. During inspiration,	air passes into lungs o	due to	•
(a) increase in volume of	of thoracic cavity and f	fall in lung pressure.	
(b) decrease in volume	of thoracic cavity and	fall in lung pressure.	
(c) increase in volume of	of thoracic cavity and i	increase in lung pressure).
(d) decrease in volume	of thoracic cavity and	increase in lung pressur	e.

Q43. Which step in blood cl	otting will not	occur in absence of Vitan	nin K?	
(a) Conversion of fibrinogen to fibrin (b) Conv		(b) Conversion of proth	nversion of prothrombin to thrombin	
(c) Synthesis of thrombop	olastin	n (d) Synthesis of prothrombin		
Q44. In photosynthesis which	ch one of the fo	llowing is the first step?		
(a) Formation of ATP				
(b) Ionisation of water				
(c) Excitation of an electr	on of chlorophy	ll by a photon of light		
(d) Attachment of CO ₂ to		n of a photon of fight		
Q45. How do ruminants dig				
		(b) With the help of he	actoria in the man	
(a) Using their own enzyr		(b) With the help of ba		
(c) By chewing repeatedly	y	(d) Through a long dig	gestive tract	
	Aptitude (1	5 Marks)		
	Tiperenae (1			
Q46. Find the missing term				
1, 6, 36, 240, 1960, <u>?</u>		() 2 (000	(1) NT	
(a) 19600 Q47. Hear is to Deaf as Spe	(b) 19660	(c) 36800	(d) None of these	
(a) Quiet	(b) Silent	 (c) Mumb	(d) Dumb	
Q48. Choose the odd one ou	` ′	(c) 147ume	(a) Dame	
(a) Water : Thirst		(b) Talent: Ed	ducation	
(c) Food : Hunger (d) Air : Suffocation				
Q49. In a certain code, PRC	DUCTIONS is	s written as QQPCVEUH	PMT. How is	
ORIENTATION written	n in that code?			
(a) PQJDOVBSJNO		(b) PQJDOUI	(b) PQJDOUBUJDO	
(c) PSJFOVBSJNO	(c) PSJFOVBSJNO (d) NSHFMVBSJNO			
Q50. If in a certain code, 'b		• •		
•		nns 'food is tasty', which o	of the following	
means 'tomato is tasty'	in that code?	(1) 1		
(a) bir le hor		(b) pic hor na	(b) pic hor nac	
(c) hor bir pic	(c) hor bir pic (d) None of these		nese	
Q51. If 'A \$ B' means 'A is	the father of B	', 'A * B' means 'A is the	mother of B', 'A @	
	of B' then whic	h of the following means	'M is the	
grandmother of N'?		4 >		
(a) M * T \$ R @ N		(b) M * T \$ N		
(c) M * R \$ T @ N		(d) M * R @ '	T @ N	

| P a g e

Q52. Anuj started walking positioning his back towards the sun. After sometime, he turned left then turned right and then towards the left again. In which direction is he going now?				
(a) North or South		(b) East or West		
(c) North or West		(d) South or West		
Q53. If the seventh day of a mo	onth is three days earlier	than Friday, what o	day will it be on	
the nineteenth day of the	month?			
(a) Sunday	(b) Monday	(c) Wednesday	(d) Friday	
Q54. How much does the clock	gain or lose per day if its	hands coincide eve	ery 63 minutes?	
(a) Loses $56\frac{8}{77}$ minutes		(b) Gains $56\frac{8}{77}$ mi	nutes	
(c) Loses $56\frac{56}{77}$ minutes		(d) Gains $75\frac{75}{341}$ m	ninutes	
Q55. At what time between 1	and 2 o'clock, both the	hands (minutes ha	and hour	
hand) are at right angle?				
(a) $16\frac{4}{11}$ minutes part 1		(b) $27\frac{3}{11}$ minutes	part 1	
(c) $49\frac{1}{11}$ minutes part 1		(d) $54\frac{6}{11}$ minutes part 1		
Q56. What was the day on 1st	t January 2020?			
(a) Tuesday	(b) Wednesday	(c) Thursday	(d) Friday	
Q57. If 264*2=6, 870*3=11, the				
(a) 12	(b) 16	(c) 3	(d) 5	
Q58. If ZIP=198, ZAP=246,	•		(4) 000	
(a) 164 Q59. Ram walks 10km towa r	(b) 222	(c) 888 o walks 6 km towa	(d) 990	
he walks 3 km towards E	ast. How far and in whic	in direction is he w	vitii reference to	
his starting point?				
(a) 5 km, North-East	(a) 5 km, North-East		(b) 7 km, North-East	
(c) 6 km, South-West		(d) 5 km, South-West		
Q60. If '>' stands for 'division', 'V' stands for 'multiplication', '-' stands for 'greater				
than', 'X' stands for 'less than', '<' stands for 'addition', 'A' stands for				
'subtraction', '+' stands for 'equal to' then which of the following equation is				
correct?				
(a) 10 \(\sigma\) 3<5<4+16		(b) 4 \(6 < 4 < 4 + 16		
(c) $12 \land 3 \land 5 < 4 + 12$		(d) 11 \(12 < 5 < 4 +	12	

| P a g e







Ensuring 360° Approach Towards Holistic Development

Our Campuses: Mahendergarh Ph.:01285-222645, 9416150201 | Rewari Ph.:8222000359 | Rewari City Ph.:9053555526 | Dharuhera Ph.:9467064534 | Kosli Ph.:9255148141 | Behror Ph.:9529678004 | Hansi Ph.:9813196969, 9896100407 | Narnaul Ph.: 8198976666 | Hisar Ph.:8307760465 | Gurugram Sec- 50 Ph.:8409989898, 7827466258 | Gurugram Sec- 89 Ph.:8222999182 | Karnal Ph.:8398000304/06 | Rohtak Ph.: 7419998800 Dadri Ph.: 8222048283, 84 | Rosewood City, Gurugram : Ph.: 70424 96986 | Kanina Ph.: 7056743636 | Dharuhera -2 Ph.: 9467064534

Web.: www.rpsgroup.edu.in

Top-Notch Hostel Accommodation for Boys and Girls at M/GARH, KANINA, BEHROR, KOSLI & HANSI CAMPUSES