





QUESTION PAPER

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

CLASS - VIII

Name:	Reg. No	Mobile No.
1441101	1105.1101	1-100110 1101

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
	$\otimes \bigcirc \bullet \bigcirc$
Student's Signature	Invigilator's Signature

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ENGLISH (15 Marks)

(b) Possessive case

(d) Vocative case

Q1. My <u>father</u> gave Tia a book. (Identify the case of underlined word)

Choose	the	most	anı	nro	priat	e oi	ntion	1:
CHOOSE			up		priac	C O		

(a) Nominative case

(c) Dative case

Q2. Those books, which were r	ecommended by	the teacher, are very	helpful for our
exam preparation.			
(a) Demonstrative Pronoun	(b) D	emonstrative Verb	
(c) Demonstrative Adjective	(d) R	egular Verb	
Q3. Select the option that expr	esses the given s	entence in Passive Vo	ice:
The company will implement	nt new policies, v	which the managemen	nt team has
carefully designed to impro	ve employee pro	ductivity.	
(a) New policies, which have	been carefully de	esigned by the manager	ment team to
improve employee producti	vity, will be imple	emented by the compar	ıy.
(b) New policies, which has b	oeen carefully des	igned by the managem	ent team to improve
employee productivity, will	implemented by	the company.	
(c) New policies, which have	been carefully de	esigned by the manager	ment team to
improve employee productive	vity, is being imp	lemented by the compa	any.
(d) No change.			
Q4. Select the option that expr	esses the given s	entence in Active Voi	ce:
It was used to be said in si	milar situations.		
(a) He has said this in similar	situations.		
(b) We used to say it in similar	ar situations.		
(c) He used to be saying it in	similar situations		
(d) No change			
Direction (Q5 to Q15): Choose	the correct option	on:	
Q5. He will pay price he	is asked.		
(a) a few	(b) some	(c) the	(d) little
Q6. Five boys stood in ro	ow.		
(a) all	(b) each	(c) neither	(d) none
	3 P a g e		

Q7. We	help the poor.			
(a) shall		(b) ought to	(c) may	(d) might
Q8. You _	heard this nev	ws already.		
(a) will		(b) will have	(c) will be	(d) will had
Q9. She	_ her homework	while I was cooking din	ner.	
(a) had c	ompleted		(b) completed	
(c) was c	completing		(d) has completed	1
Q10. I ran	my old friend	s in the market place.		
(a) into		(b) over	(c) about	(d) unto
Q11. I deci	ided to put m	y visit till next week.		
(a) over		(b) down	(c) off	(d) across
Q12. The s	eries of lectures_	_ been well-received by	the audience.	
(a) is		(b) have	(c) has	(d) are
Q13. The t	eacher, along wit	h the students, excit	ed about the upcom	ning field trip.
(a) has		(b) is	(c) are	(d) am
Q14. The p	oroject was compl	leted on time, the tear	m faced numerous o	challenges.
(a) althou	ugh	(b) until	(c) unless	(d) since
Q15. As yo	ou sow, so shall yo	ou reap.		
(a) Adjec	ctive Clause		(b) Prepositional	Clause
(c) Adve	rb Clause		(d) Adjective Phr	ase
		Mathematics (15 M	Tarks)	
Q16. If 29 ⁴	¹ + 37 ⁴¹ is divided	by 33, then the remain	der is	
(a) 2		(b) 3	(c) 1	(d) 0
Q17. A, B,	C started a busin	ess with their capitals in	n ratio 2:3:5. A incr	eased his capital
by 50°	% of his capital	after 4 months. B increa	sed his capital by 3	$3\frac{1}{3}\%$ after 6
month	ns and C withdrev	w 50% of his capital afte	er 8 months, from tl	ne start of the
busine	ess. If the total pr	ofit at the end of year w	as ₹86800, the diffe	rence between
the sh	ares of A and C i	n the profit was	•	
(a) ₹1260	00	(b) ₹7000	(c) ₹9800	(d) ₹8400
		4 P a g e		

Q18. A person made a f	ixed deposit of ₹30000 in	a bank for 5 years at	10% simple	
interest per annum	. He had to withdraw the	whole amount after	3 years to meet	
the expenses of his	daughter's marriage and	he received Rs. 3000	less than what he	
would have got afte	er 5 years. What is the ra	te of simple interest p	er annum paid by	
the bank for this p	remature encashment?			
(a) 6%	(b) 7%	(c) 13.3%	(d) 8%	
Q19. The distance between	een the two stations X an	d Y is 220 km. Trains	P and Q leave	
the station X at 8 a	.m. and 9:51 a.m. respect	ively at the speed of 2	25 kmph and 20	
kmph respectively	for journey towards Y. T	rain R leaves station	Y at 11:30 a.m. at	
the speed of 30 km	ph for journey towards X	X. When will P be at e	qual distance	
from Q and R?				
(a) 12:48 p.m.	(b) 12:30 p.m	(c)12:45 p.m.	(d) 11:48 p.m.	
Q20. If $6\sqrt{6} p^3 + 2\sqrt{2} q^3$	= $(\sqrt{6} p + \sqrt{2} q) (Sp^2 + M)$	$(q^2 - Npq)$ then the po	sitive value of	
$\sqrt{S^2 + M^2 + 2N^2}$ is	s•			
(a) 10	(b) 8	(c) 9	(d) 12	
Q21. If $x - y + z = 0$ then	in find the value of $y^2/2xz$	$- x^2/2yz - z^2/2xy$.		
(a) 3/2	(b) 1/2	(c) -6	(d) -3/2	
Q22. A rectangular por	tion of an airport runway	was getting repaired	l for which an	
estimate was made	on the basis of a rate \mathbb{R}	per square unit. But	while doing the	
work, the length of	the portion increased by	10% and breadth by	8%. Above this,	
there was an increa	se in the cost of repair w	ork to the extent of 1	5%. What was the	
overall percentage	increase in the cost of rep	pair over the estimate	?	
(a) 36.62	(b) 34.58	(c) 33	(d) 35.24	
Q23. The base of a right	t prism is a regular hexag	gon of the side 5 cm. I	f its height is	
$12\sqrt{3}$ cm, then its v	olume (in cm³) is	•		
(a) 1800	(b) 900	(c) 1350	(d) 675	
Q24. If $\frac{4}{1+\sqrt{2}+\sqrt{3}} = a + b\sqrt{2} + c\sqrt{3} - d\sqrt{6}$,				
Where a, b, c, d are	e whole numbers then the	value of a+b+c+d is	•	
(a) 0	(b) 2	(c) 4	(d) 1	

Q25. What is the value	e of $99\frac{11}{99} + 99\frac{13}{99} + 99\frac{15}{99} + \cdots$	+99 ⁶⁷ / ₉₉ ?			
(a) 94220/33	(b) 95120/33	(c) 97120 / 33	(d) 96220 / 33		
Q26. 80% and 90% p	oure acid solutions are mixed	d to obtain 20 litres	of 87% pure acid		
solution. Find the	e quantity (in litres) of 80%	pure acid solution	taken to form the		
mixture.					
(a) 4	(b) 8	(c) 6	(d) 9		
investments initia capital. At the end a capital of ₹7000 year end?	Q27. A and B enter into partnership and invest in a stock market trading. Their investments initially were ₹50000 and ₹45000. After 4 months A withdraws half his capital. At the end of 8 months B withdraws half his capital and C joins them with a capital of ₹70000. What should be the ratio in which profit will be divided at the year end?				
(a) 40: 35:21	. ,	(c) 40:28:21			
Q28. If $(4x + 2y)^3 + (4x + 2y)^3$	$(x - 2y)^3 = 16(Ax^3 + Bxy^2)$ the	en what is value of	$\frac{1}{2}(\sqrt{A^2+B^2})?$		
(a) 8	(b) 3	(c) 5	(d) 7		
with a liquid. The whose internal ra vessel?	whose internal radius of base whole liquid of this vessel in the didius is 15 cm. Upto what he	is poured into a cylicight the liquid rise	indrical vessel in the cylindrical		
(a) 24 cm	· /	(c) 27 cm	,		
-	ng an area of 165, 195 and 2	_	-		
	nto equalized flower beds. If	the breadth of a b	ed is 3 meters, what		
is the maximum l		~			
(a) 5.5 meters	(b) 6 meters	(c) 5 meters	(d) 6.5 meters		
	Science (15 Marks) Ph	y.+Chem. +Bio.			
	Physics (5 Mar	rks)			
Q31. A person 1.6 m ta	all is standing at the center	between two walls	3 m high. What		
should be the min	nimum size of the plane mir	ror fixed on the wa	ll in front of him if		
he is to see the ful	ll height of the wall behind l	him?			
(a) 0.8 m	(b) 1 m	(c) 1.5 m	(d) 2.3 m		

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Q32. Formula for pressure in liquid is:

- (a) P = hdg where h is height, d is density and g is gravity.
- (b) P = dg/h where h is height, d is density and g is gravity.
- (c) P = hg/d where h is height, d is density and g is gravity.
- (d) P = hd/g where h is height, d is density and g is gravity.
- Q33. A hockey player receives a corner shot at speed of 15 ms-1 at an angle of 30° with y-axis and then shoots the ball of mass 100 g along the negative x-axis with a speed of 30 ms-1. If it remains in contact with the hockey stick for 0.01 sec, the force imparted to the ball in the x-direction is:
 - (a) 281.25 N

- (b) 187.5 N
- (c) 562.5 N
- (d) 375 N
- Q34. Two soundwaves of frequency 256 and 286 superimposed to produce beats in air.

 Then the number of beats heard by the person will be:
 - (a) 7.5

(b) 30

- (c) 0
- (d) 15
- Q35. Why does a horse need to pull harder during the first few steps in pulling the cart?
 - (a) Static friction is greater than sliding friction.
 - (b) Sliding friction is greater than rolling friction.
 - (c) No friction force acts after the cart comes in motion.
 - (d) Air friction is greater during first few steps of motion.

Chemistry (5 Marks)

- Q36. Carbon monoxide is naturally produced by oxidation of X, a gas present in the swamp area while it can be produced by Y of fuels containing carbon.
 - (a) $X=CO_2$, Y= Complete combustion
- (b) X= CH₄, Y= Incomplete combustion

(c) X= C, Y= Oxidation

- (d) $X = CH_4$, Y = Complete combustion
- Q37. Which of the following is a set of greenhouse gases?
 - (a) CO_2 , CH_4 , N_2O

 $(b)\ NO_2,\ SO_2,\ Cl_2$

(c) CH₄, N₂, SO₂

 $(d)\ N_2, CO_2, NO_2$

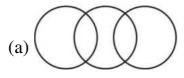
Q38. Which of the following statement(s) is constituted (i) The gas released at anode is hydrogen (ii) The gas released at cathode is oxygen (iii) The gas released at cathode burns with		
(iv) The gas released at anode supports con		
(a) (i) & (ii)	(b) (ii) & (iii)	
(c) (iii) & (iv)	(d) (i), (iii) & (iv)	
Q39. What is the SI unit of conductivity?		
(a) Sm (b) Sm^{-1}	(c) Sm^2 (d) Sm^{-2}	
Q40. The position of some metals in the electron electropositive character is given as Mg>A copper spoon is used to stir a solution of a (a) The spoon will get coated with aluminium.	Al>Zn>Cu>Ag. What will happen if a aluminium nitrate?	
(b) An alloy of copper and aluminium is formed	ed.	
(c) The solution becomes blue.		
(d) There is no reaction.		
Biology (5)	Marks)	
Q41. Which reproductive strategy involves the body of the mother, with the young born completing their development externally? (a) Oviparity	in a relatively undeveloped state and	
(c) Ovoviviparity	(d) Parthenogenesis	
Q42. In an external fertilization, which of the sobserved to increase the likelihood of succession (a) Internal gestation		
(c) Large number of gametes released	(d) Placental development	
Q43. In which reproductive cycle do animals e inactivity related to reproductive behavio (a) Estrous cycle	_	?
(c) Ovarian cycle	(d) Hibernation cycle	
Q44. Which hormone helps in the reabsorption	n of water in the kidneys?	
(a) Aldosterone	(b) Antidiuretic hormone (ADH)
(c) Insulin	(d) Glucagon	
8 P a g	e	

9 Page	
Q45. Which of the following pairs correctly matches a type of microorganism w	ith its
main characteristic?	
(a) Bacteria - Always multicellular and visible to the naked eye.	
(b) Viruses - Can be treated with antibiotics.	
(c) Fungi - Includes organisms like yeast and molds that can decompose organic n	naterial.

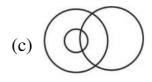
Aptitude (15 Marks)

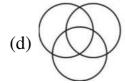
Q46. Select the venn diagram that best illustrates the relationship between the following- Female, Teacher, Mother

(d) Protozoa - Typically found only in water and can cause diseases in plants.









Q47. Find the missing term.

1, 1, 5, 23, 71, ?, 351

(a) 100

(b) 170

(c) 171

(d) None of these

Q48. Out of 35 students, A is placed 7th from bottom whereas B is placed 9th from the top and C is placed exactly between these two. What is A's position from C?

(a) 9th

(b) 10th

(c) 11th

(d)None of these

Q49. Choose the correct option:

Cow : **Gir** :: **Dog** : ?

(a) H.F.

(b) Boxer

(c) Ravi

(d) None of these

Q50. After walking 6 km, Mohit turned right and covered a distance of 2 km, then turned left and covered a distance of 10 km; again turned left and covered 4 km, then turned right and covered 6 km. If in the end he was facing towards the North, in which direction did Mohit start his journey?

(a) East

(b) West

(c) North

(d) South

Q51. Find the odd one out:

(a) Steel

(b) Brass

(c) Bronze

(d) Copper

Q52. Pointing to a girl, Reema said, "She is the only sister of the only son-in-law of my mother's husband". How is that girl related to Reema, if Reema has no sister?

(a) Sister

(b) Sister-in-law

(c) Mother

(d) Niece

Q53. How many times	both hands will coincide	in 15 hours ?	
(a) 11	(b) 14	(c) 15	(d) 16
Q54. Select the correc	t set of symbols which wi	ll fit (in same ord	ler) in the blank spaces
of given expression	on to make it correct. 28_	6 25 5	4 = 2
$(a) - \times \div +$	$(b) + \div - \times$	$(c) \div + - \times$	$(d) - + \times \div$
Q55. If all the faces of	a large cube is coloured	and then it is cut	into 216 equal small
cubes, how many	cubes have no face pain	ted?	
(a) 4	(b) 16	(c) 64	(d) None of these
Q56. Find the next ter	rm:		
92, 103, 107, 11	15, 122, ?		
(a) 128	(b) 125	(c) 127	(d) None of these
Direction (Q57 & Q58	3): Study the given table a	and choose the co	rrect option:
	Column I	Column II	
	BEIKL	61520	
	PNBTK	34568	
	XLPBE	57401	
	KNIXV	27396	
	XBNPE	45713	
Q57. Code BIKE			
(a) 5261	(b) 6325	(c) 2560	(d) None of these
Q58. Code PIN + NIP			
(a) 423	(b) 744	(c) 777	(d) 747
Q59. Choose the corre	ect option:		
29:319::23:	?		
(a) 252	(b) 100	(c) 115	(d) 69
	a watch lose per day, if it	s hands coincide	every 64 minutes?
(a) $36\frac{5}{11}$ min.	(b) $32\frac{8}{11}$ min.	(c) 90 min.	(d) 96 min.

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