

Question Paper Class - VIII

M.M:60

Phase – II

Time: 60 Minutes

OFFLINE EXAMINATION (PHASE-II)

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. ¹/₄ 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 the particulars on this page of the test booklet and **OMR** with **BLACK** ballpoint pen only. Use of pencil is strictly prohibited.
- 7. Darken the bubbles completely. Do not put a tick \square or a cross \square . Fill the bubbles completely.
- 8. Half -filled or over-filled bubbles will not be read by the software & liable to be rejected.

Correct Method Student's Signature

Wrong Method Invigilator's Signature

SPACE FOR ROUGH WORK

		English (15	<u>Marks)</u>	
	Choose th	e correct option:	_	
Q1.	When one	gazes at the sky, the glimmer of	stars the va	stness above.
	(a) fill	(b) fills	(c) to fill	(d) is feeling
Q2.	If you mov	ve around hoping your problem _	, they won't.	
	(a) will so	lve	(b) will solved	
	(c) will ha	ve solved	(d) will be solve	ed
Q3.	3. If he worked hard he pass.			
	(a) will		(b) would	
	(c) can		(d) may	
Q4.	She	_ recite the Ramayana when she w	vas just eight.	
	(a) can	(b) may	(c) will	(d) would
Q5.	None of the candidates cleared the entrance examination.			on.
	(a) is	(b) have	(c) has	(d) are
Q6.	The jury _	divided in their opinions.		
	(a) was	(b) were	(c) has	(d) is
Q7.	Ragini inv	vited friends to her party.		
	(a) a little		(b) a many	
	(c) a few		(d) a number	
Q8.	I don't wa	nt any sugar. This is		
	(a) less, er	nough	(b) less, most	
	(c) more, i	much	(d) more, enoug	h
Q9.	He was co	nvicted murder.		
	(a) about	(b) of	(c) off	(d) for
Q10.	We bough	t the house with a view ret	tiring there.	
	(a) of		(b) at	
	(c) to		(d) None of the above	
		3 P a g	е	

Direction for Q11 and 12: Choose the correct Indirect form of the given sentences:

Q11. He said to me, "If you were present there, you would weep?"

(a) He told me that if I were present there I would weep.

(b) He told me that if I had been present there I would weep.

(c) He told me that if I was present there I would weep.

(d) He told me that if you were present there you would weep.

Q12. The peon said to the officer, "May I go out, sir?"

(a) The peon asked the officer if he may go out.

(b) The peon asked the officer that he might go out.

(c) The peon asked the officer respectfully if he might go out.

(d) The peon asked the officer if I might go out.

Direction for Q13 and 14: Select the option that expresses the given sentences in passive voice:

Q13. Didn't they tell you to be here by six O'clock?

(a) Weren't you told to be here by six O'clock?

(b) Haven't they told you to be here by six O'clock?

(c)You were expected to be here by six O'clock

(d) They expected you to be here by six O'clock

Q14. Must we cut this tree?

- (a) Must this tree has been cut?
- (b) Must this tree be cut?
- (c) Must this tree was cut?
- (d) Must this tree is cut?

Q15. The story is about _____ little boy and _____ squirrel.

- (a) the, the
- (b) a, the
- (c) a, a
- (d) the, a



	(a) 24 (b)	42	(a) 17	$(\mathbf{J}) 74$
		<u>, auvuoni anu 1 as 1</u>	manuel. I'lliu ill	e sum of the numbers.
	quotient and 3 as remainder. Also if seven times the smaller number is divided b			
Q30.	If three times the large	er of the two numbe	ers is divided by	the smaller one, we get 4 as
. . .	(a) 16 (b)	24	(c) 36	(d) 48
	the remaining work in	2 days?		
complete the same work in twenty four days. Sixteen men and sixteen wome working and worked for 12 days. How many more men are to be added to				are to be added to complete
				and sixteen women started
Q29.	Twenty four men ca	n complete a work	k in sixteen day	s. Thirty two women can
	(a) 16 (b)	18	(c) 12	(d) 15
	of water contained by	each bucket is		
	1.2m. Assuming that	all buckets are of th	e same measures	s then the volume (in litres)
	with water, $1/3$ of the	tank remains filled	water. The length	h of each side of the tank is
Q28.	If 64 buckets of water	are removed from a	a cubical shaped	water tank completely filled
	(c)24 (2a-3b) (3b-4c)	(4c-2a) (d)	12 (3b-2a) (4c-3l	b) (2a-3b)
	(a) 96 (2a-3b) (3b-4c)	(4c-2a) (b)	48 (2a-4c) (2a-3d	c) (3b+4c)
Q27.	If $\frac{x}{2a-3b} = \frac{y}{3b-4c} = \frac{x}{4c}$	$\frac{z}{z^{2}} = 2$, then evalua	te $x^3 + y^3 + z^3$	
	(a) 7796 (b)	243	(c) 3125	(d) 46656
Q26.	If $6^{x} - 6^{x-3} = 7740$,	then $x^{x} =$		
	(a) 75 (b)	48	(c) 78	(d) 57
	$4\sqrt{3}(2\sqrt{27}-4\sqrt{48})$	$-5\sqrt{3}(\sqrt{12}-3\sqrt{75})$	<u>5</u>)	
Q25.	Simplify:			
	(c) $x^{1/2} + y^{1/2}$		(d) $x^2 - y^2$	
-	(a) x+v		(b) $x-y$	
Q24.	If $\left(x^{\frac{3}{2}} - xy^{\frac{1}{2}} + x^{\frac{1}{2}}y - y^{\frac{1}{2}}\right)$	$(x^{\frac{3}{2}})$ is divided by (x	$(\frac{1}{2} - y^{\frac{1}{2}})$, then the	quotient is:
	(c) < x + y		(d) = x + y	
	(a) > x + y		(b) = x + y	
	3 7			

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

Physics (5 Marks)

Q31. A windmill is pushed by four external forces as shown in the given figure. The force F required to make the windmill stand still is:



- (a) 10N (b) 13N (c) 15N (d) 18N
- Q32. A mirror of length 2X is kept in front of a road as shown in figure. A point object is kept at a distance X from the mirror. An observer is able to see the image till distance 12X while moving along the road. What is the distance Y between the road and the mirror in terms of X?



- (a) Y=X (b) Y=12X (c)Y=5X (d) Y=2X
- Q33. A man standing in front of a large wall, claps two objects against each other at an interval of 1.2s regularly. The echo of the first clap coincides with the fifth clap. If the speed of sound in air is 340ms⁻¹. The distance between the man and the wall is

(a) 408m	(b) 1632m
(c) 816m	(d) 204m



Q37. Producer gas is not a good fuel because

(a) it contains CO which is poisonous

(b) it contains O₂ which does not burn

(c) it contains N_2 which does not burn

(d) it contains CO₂ which does not burn

Q38. When water is poured over burning wood, the fire goes out. This is because

- (a) temperature of wood decreases
- (b) temperature of water goes up
- (c) molecules of water react with oxygen present in the flame
- (d) the flame vapourises

Q39. Which type of fire extinguisher is used to extinguish fire caused by burning oil and petrol?

- (a) Foam type (b) Water type
- (c) Soda acid type (d) CCl₄ type
- Q40. During the electrolysis of dilute sulphuric acid, it librates
 - (a) oxygen gas and hydrogen gas
 - (b) oxygen ions and hydrogen ions and sulphate ions
 - (c) oxygen ions and sulphate ions
 - (d) hydrogen ions and sulphate ions

Biology (5 Marks)

- Q41. Severe Acute Respiratory Syndrome (SARS):
 - (a) Is caused by a variant of Pneumococcus pneumoniaeb.
 - (b) Is caused by a variant of the common cold virus (corona virus).
 - (c) Is an acute form of asthma.
 - (d) Affects non-vegetarians much faster than the vegetarians.

Q42. HIV infects:

- (a) RBC (b) T- helper cells
- (c) B- cells (d) Basophils

- Q43. Thyroxine controls ______ in frogs and development of ______ and _____ during embryonic development of other vertebrates. Thyroxine production requires the presence of ______ in diet.
 - (a) Development, Circulatory system, Muscles, Iodine.
 - (b) Metamorphosis, Circulatory system, Muscles, Calcium.
 - (c) Development, Bones, Nervous system, Iron.
 - (d) Metamorphosis, Bones, Nervous system, Iodine.
- Q44. Read the following statements and select the correct option.
 - Statement 1: Wind pollinated flowers need to produce more quantities of pollen grains. Statement 2: Seeds from cross pollinated flowers produce weaker and less healthy plants.
 - (a) Both statements 1 and 2 are true and statement 2 is the correct explanation of statement 1.
 - (b) Both statements 1 and 2 are true but statement 2 is not the correct explanation of statement 1.
 - (c) Statement 1 is true but statement 2 is false.
 - (d) Both statements 1 and 2 are false.
- Q45. Seminiferous tubules are composed of:
 - (a) spermatogonia
 - (b) glandular epithelium
 - (c) sensory epithelium
 - (d) germinal epithelium

Reasoning (15 Marks)

Q46. Which option will replace the question mark (?).

11, 10, ?, 100, 1001, 1000, 10001

(a) 101 (b) 110 (c) 111

(d) None of these

Q47.	Which option will replace the question mark (?).				
	B2CD,?, BCD4, B5CD,BC6D				
	(a) B2C2D	(b) BC3D	(c) B2C3D	(d) BCD7	
Q48.	If SUNDAY = 18, MON	SUNDAY = 18, MONSOON = 21, YEAR = 12, then THURSDAY=?			
	(a) 26	(b) 42	(c) 28	(d) 24	
Q49.	Direction: In the following question find out the alternative which will replace the				
	question mark. Grain : Warehouse :: Water : ?				
	(a) Drink	(b) Dam	(c) Canal	(d) River	
Q50.	In the question, certain pairs of words are given, out of which the words in all pairs				
	except one, bear a certain common relationship. Choose the pair in which the words				
	are differently related.				
	(a) Fish : Pisciculture(c) Bees : Apiculture		(b) Birds : Horticulture		
			(d) Silkworm : Sericulture		
	Directions : (Q51 – 52)The following question are based on the diagram given				
	below showing four persons stationed at the four corners of a square piece of plot				

as shown in figure:



Q51. A starts crossing the field diagonally. After walking half the distance, he turns right, walks some distance and turns left. Which direction is A facing now?

(a) North-east (b)) North-west
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(c) North (d) South-east
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Q52. From the original position given in the above figure. A and B move one arm length clockwise and then cross over to the corner diagonally opposite, C and D move one arm length anticlockwise and cross over the corner diagonally opposite. The original configuration ADBC has now changed to





Q58. **Direction:** The given question consists of the figures marked (a), (b), (c), (d) and (e) called the Problem Figures followed by four other figures marked 1,2,3 and 4 called the Answer Figures. Select a figure from amongst the Answer Figures which will continue the same series as established by the five Problem Figures.

Problem Figures :



(b) 2

(a) 1

(d) 4

Q59. **Direction:** The given question consists of two sets of figures. Figures (a), (b), (c) and (d) constitute the Problem Set while figures 1,2,3 and 4 constitute the Answer Set. There is a definite relationship between figures (a) and (b). Establish a similar relationship between figures (c) and (d) by selecting a suitable figure from the Answer Set that would replace the question mark (?) in figure.

(c) 3



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