

LEAP SAMPLE TEST PAPER (IX STD)

Time : 1 hrs. Name : ___

Roll No. :

Maximum Marks: 120

NOTE:	1.	There are 4 Sections (1) Physics - 7 Q. (2) Chemistry - 7 Q. (3) Mathematics – 8 Q. (4) Biology – 8 Q
	2.	Each section consists of MCQ with 4 options out of which only one option is correct.
	3.	
		& for wrong answer 1 mark will be deducted.
	4.	No mark will be awarded or deducted for unanswered question.

PHYSICS

NOTE: There are 7 questions in this part.

7 × 4 = 28 Marks (4R – 1W)

CHOOSE THE CORRECT OPTION:

- Q.1) Choose the wrong statement.
 - (A) Retardation is a vector quantity
 - (B) Acceleration due to gravity is a vector quantity
 - (C) Average speed is a vector quantity
 - (D) Displacement is a vector quantity
- Which of the following class of forces is different from others? Q.2)
 - (A) Magnetic force (B) Electrical force
 - (C) Gravitational force (D) Stretching of a spring
- A body of mass 5 kg undergoes a change in speed from 72 to 0.72 km/h. The Q.3) momentum of the body would
 - (A) Increase by 99 kg m/s (B) Decrease by 99 kg m/s
 - (C) Increase by 101 kg m/s (D) Decrease by 101 kg m/s
- Q.4) The increase in velocity of a freely falling body in 1 sec is (A) 9.8m/s^2

 $(C) -9.8 \text{m/s}^2$ (B) 9.8m/s (D) - 9.8 m/s

- Q.5) Which of the following is not possible?
 - (A) An object moving in certain direction with acceleration in perpendicular direction
 - (B) A object moving with constant acceleration but zero velocity.
 - (C) A object moving with variable speed & uniform velocity.
 - (D) None of above
- The area of circle of diameter 28 cm is : Q.6) (A) 661 cm^2 (B) 616 cm^2 (C) 996 cm²



(D) None of these

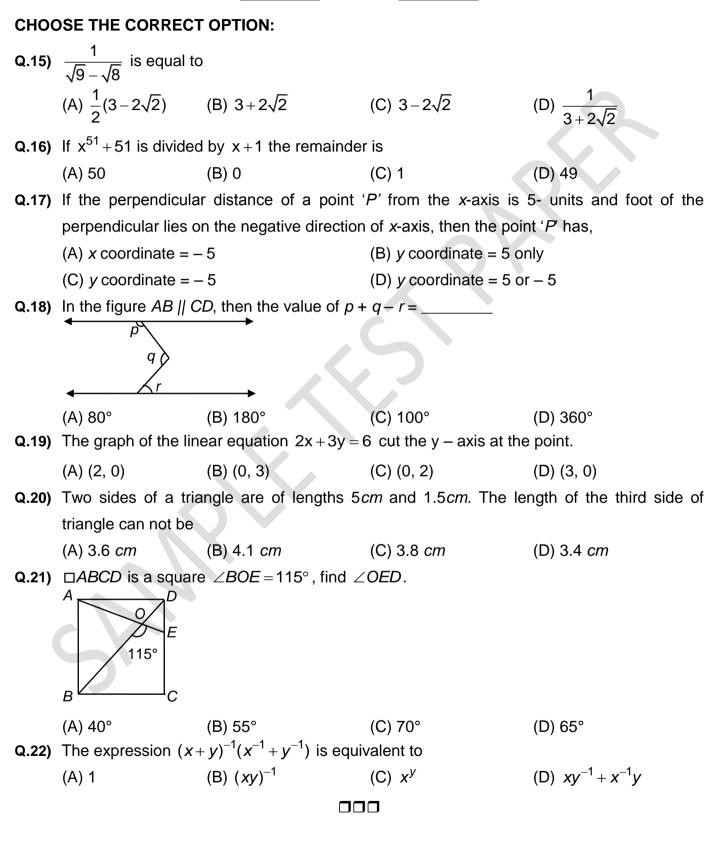
Q.7)	10 dm ³ of a gas (A) 10 ⁻² m ³	-	(C) 1	10 ⁻³ m ³	(D) 10 ³ m ³				
	CHEMISTRY								
	NOTE: There are 7 questions in this part.								
	7 × 4 = 28 Marks (4R – 1W)								
CHO	OSE THE CORRE	ECT OPTION:							
Q.8)	Mg ²⁺ is isoelect	ronic with	_·						
	(i) Ca ²⁺	(ii) Na ⁺			(iv) Al ³⁺				
	(A) (i) & (ii)	(B) (ii) & (iii)	(C) (ii) & (iv)	(D) (iii) & (iv)				
Q.9)	When a student	put some copper tu	irnings in a	a colorless	solution, he observed that the				
	U U	y turned blue. The so							
	(A) Ferrous sulp		· · /		nitrate solution				
0.40	(C) Silver nitrate	solution s of 12.044×10 ²³ nu			ohate solution.				
Q.10)			-	-					
0.44	(A) 8g	(B) 16g	(C) 3		(D) 64g				
Q.11)		10 ml of a solution of NaOH is found to be completely neutralised by 8 ml of a given solution of HCl. If we take 20 ml of the same solution of NaOH, the amount of HCl solution							
		on as before) required							
	(A) 4 ml	(B) 8 ml		2 ml	(D) 16 ml				
Q.12)		ne two atomic species	. ,		(2) 10				
,		X		Y					
	Number of	Proton 8		8					
	Number of I	Neutron 8		10					
	Select the correct	ct statement about 'X'	and 'Y'.						
	(A) 'X' and 'Y' ar	e isobars							
	(B) 'X' and 'Y' ha	ave different chemical	properties	i					
		ave different physical							
		e the atoms of differe		S.					
Q.13)		omic Model the electr		atatia a					
0 1 4)	(A) stationary Rust formation is	(B) revolving	(C) I	otating	(D) none of these				
w.14)		mbination reaction	(B) (Chemical de	ecomposition reaction				
		placement reaction	. ,		ouble decomposition reaction				



MATHEMATICS

NOTE: There are 8 questions in this part. $8 \times 4 = 32$ Marks (AP = 1W)

 $8 \times 4 = 32$ Marks (4R – 1W)





BIOLOGY

NOTE: There are 8 questions in this part.

 $8 \times 4 = 32$ Marks (4R - 1W)

CHOOSE THE CORRECT OPTION:

Q.23)	Which of the following plant tissue shows the pectin deposition on cell wall?				
	(A) Collenchyma	(B) Parenchyma	(C) Sclerenchyma	(D) Chlorenchyma	
Q.24)	Pine and Deodar ar	e the examples of			
	(A) gymnosperm	(B) Pteridophyta	(C) thallophyta	(D) bryophyta	
Q.25)	Which of the followi	ng is mismatch?			
	(A) Leprosy – bacte	erial infection			
	(B) Gonorrhea – vir	al infection			
	(C) Malaria – proto	zoan infection			
	(D) Elephantiasis –	nematode infection			
Q.26)	Assertion (A): Peop	le entering into the bur	ning place die due to su	iffocation.	
	Reasons (R): Smok	e contains large amou	nt of Carbon monoxide,	a toxic gas.	
	(A) (A) is correct an	id (R) is wrong	(B) (R) explains (A)		
	(C) (R) does not ex	plain (A)	(D) (A) is wrong but (F	R) is correct.	
Q.27)	Antibodies are com	plex			
	(A) lipoproteins	(B) Steroids	(C) prostaglandins	(D) globulin proteins	
Q.28)	Which of the followi	ng diseases is NOT ca	used by a eukaryotic or	ganism ?	
	(A) Malaria		(B) Cholera		
	(C) African Sleeping	g Sickness	(D) Information insuffic	cient	
Q.29)	Nucleic acid presen	nt in virus is			
	(A) Single Stranded	I DNA	(B) Double Stranded [ONA	
	(C) RNA		(D) All of these		
Q.30)	CHIPKO ANDOLAN	I was started by			
	(A) S.L.Bahuguna	(B) Amrita Bishnoi	(C) Maheshwari	(D) Medha Patkar	
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LEAP SAMPLE ANSWER KEY (IX STD)

1	С	16	А
2	D	17	D
3	В	18	В
4	В	19	С
5	С	20	D
6	В	21	С
7	Α	22	В
8	С	23	Α
9	С	24	А
10	D	25	В
11	D	26	В
12	С	27	D
13	Α	28	В
14	Α	29	D
15	В	30	Α



