FIITJEE INTERNAL TEST

7TH CLASS

PHASE TEST - I

07 JUNE 2020

MAT & SAT

Time: 3 hours

Max. Marks:125

INSTRUCTIONS

Question Paper contains 125 questions.

Question paper consists of 5 parts (IQ, Maths, Physics, Chemistry & Biology).

Each question has 4 options with one correct answer. Bubbling of correct answer must be done on OMR Sheet. Each question carries 1 mark. There is no negative marking.

HONESTY IS THE BEST POLICY. FINALLY HONESTY ONLY WINS. SO NEVER INVOLVE IN MALPRACTICE

IQ			-2-	
Direc	tion (1-5) Find the miss	ing term in each of the	following series.	
1.	6, 13, 32,, 130, 221 (A) 75	(B) 69	(C) 100	(D) 85
2.	3, 6, 12, 24, 48, 96, (A) 192	(B) 182	(C) 186	(D) 198
3.	12, 15, 21, 30, 42, 57, (A) 59	? (B) 63	(C) 65	(D) 75
4.	3, 5, 9, 17, 33, 65, ? (A) 129	(B) 128	(C) 126	(D) 132
5.	13, 35, 57, 79, 911, ? (A) 1113	(B) 1123	(C) 1114	(D) 1124
Direc	tions (6-8) Find the wro	ng number in each of t	the following series	
6.	13, 25, 40, 57, 79, 103 (A) 25	, 130 (В) 40	(C) 57	(D) 79
7.	2, 9, 28, 65, 126, 216, (A) 9	344 (B) 65	(C) 216	(D) 25
8.	14, 19, 29, 40, 44, 51, (A) 59	59, 73 (B) 51	(C) 44	(D) 29
Direc	tion (9-17) Choose the	missing terms out of t	he given alternatives	
9.	PMT, OOS, NQR, MS((A) LUP	Q, (B) LVP	(C) LVR	(D) LWP
10.	BZA, DYC, FXE, (A) HUG	, JVI (B) HWG	(C) UHG	(D) WHG
11.	ABD, DGK, HMS, MTE (A) XKW	3, SBL, ? (B) ZAB	(C) ZKU	(D) ZKW
12.	DHL, PTX, BFJ, ? (A) CGK	(B) KOS	(C) NRV	(D) RVZ
13.	WFB, TGD, QHG, ? (A) NIJ	(B) NIK	(C) NJK	(D) OIK
14.	KM5, IP8, GS11, EV14 (A) BX17	4, ? (B) BY17	(C) CY17	(D) CY18
15.	C4X, F9U, I16R? (A) K25P	(B) L25P	(C) L250	(D) L27P
16.	2Z5, 7Y7, 14X9, 23W1 (A) 27U24	1, 34V13, ? (B) 45U15	(C) 47U15	(D) 47V14
17.	N5V, K7T, HIOR, E14 (A) H9R	P, (B) B19N	(C) HIOR	(D) B20M

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Direct	-3- Direction (18-20) Choose the correct alternative that continuous the pattern						
18.	_vwuuv _ (A) uvww	(B) wwvu	(C) vuww	(D) wvwu			
19.	te_t ea (A) aeat	(B) aeaa	(C) aaet	(D) tea			
20.	t tt vv uuuv (A) uvuuttt	vv (B) tttuuvv	(C) vvuuttt	(D) none of these			
Direct	tion (21-25): In each of t	he following questions	s, select the related lette	er from the given alternatives.			
21.	BOQD : ERTG : : ANP((A) DQSF	C:? (B) FSHU	(C) SHFU	(D) DSQF			
22.	AFKP : ZUPK : : BGLQ (A) YUQM	(B) XURO	(C) YXWV	(D) YTOJ			
23.	BVSC : YEHX : : MRCF (A) NJXK	P : ? (B) LKXM	(C) NIXK	(D) OIYM			
24.	EGIK : FILO : : FHJL : ′ (A) GJMP	? (B) GMJP	(C) JGMP	(D) JGPM			
25.	ACEG : NPRT : : ADG (A) NRTX	J : ? (B) ORVX	(C) NQSU	(D) NQTW			
	tion (26-29): In each of ative which will replace	- .	ons find the missing a	Iphabet analogy out of the given			
26.	66 : 144 : : 99 : ? (A) 204	(B) 289	(C) 234	(D) 324			
27.	5 : 24 : : 7 : ? (A) 3	(B) 48	(C) 63	(D) 70			
28.	4,2,2,4 : 2,4,4,2 :: 6,4 (A) 4,6,4,6	4,4,6 : ? (B) 4,6, 6,4	(C) 6,4,6,4	(D) 2,6,6,2			
29.	49:7 : : ? :17 (A) 279	(B) 269	(C) 289	(D) 259			
Direct	Direction (30-35) : In each of the following questions, find the best analogous word.						
30.	'Much' is related to 'Ma (A) Count	ny' in the same way as 'l (B) Measures	Measure' is related to:? (C) Calculate	(D) Weigh			
31.	'Calf' is related to 'Cow' (A) Deer	in the same way as 'Kit (B) Bear	ten' is related to:? (C) Cat	(D) Duck			
32.	'Smoke' is related to 'Pe (A) Victory	ollution' in the same way (B)Treaty	as 'War' is related to:? (C) Defeat	(D) Destruction			
33.	'Mountain' is related to (A) Path	'Hill' in the same way as (B) Swimming	'River' is related to:? (C) Flowing	(D) Stream			

34.	'Dogs' is related to 'Bark' in the same way as 'Goats' is related to:?						
	(A) Bleat	(B) Crow	(C) Grunt	(D) Howl			
35.	Stealing : Sin : : Donation : ?						
	(A) Rich	(B) Poor	(C) Holy work	(D) Donor			

Direction (36-40) : In each of the following questions, four/five words are given out of which three/four are alike in some manner, while the fourth / fifth one is different. Choose the word which is different from the rest.

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36.	(A) Club	(B) Brush	(C) Crayon	(D) Pen
37.	(A) Silver	(B) Platinum	(C) Gold	(D) Copper
38.	(A) Panthor	(B) Lion	(C) Whale	(D) Fox
39.	(A) Mist	(B) Cloud	(C) Rain	Vapour
40.	(A) Banana	(B)Mango	(C) Guava	(D) Ginger

CHOOSING THE ODD NUMERAL

Direction (41-45): In each of the following questions, some groups of numbers are given, all of which, except one, share a common similarity while one is different. Choose the odd one out.

41.	3, 5, 11, 14, 17, 21 (A) 21	(B) 17	(C) 14	(D) 3
42.	8, 27, 64, 100, 125, 216 (A) 27	5, 343 (B) 100	(C) 125	(D) 343
43.	10, 25, 45, 54, 60, 75, 8 (A) 10	0 (B) 45	(C) 54	(D) 75
44.	6, 9, 15, 21, 24, 28, 30 (A) 28	(B) 21	(C) 24	(D) 30
45.	1, 4, 9, 16, 23, 25, 36 (A) 9	(B) 23	(C) 25	(D) 36

Direction (46-50): In each of these questions four letter groups are given, out of which three are alike in some manner and one is different. Choose the odd one among them.

46.	(A) GE	(B) MK	(C) WU	(D) QN
47.	(A) BUK	(B) GAF	(C) ZNH	(D) YEM
48.	(A) STUA	(B) RQPA	(C) MLKA	(D) HGFA
49.	(A) PRVX	(B) MQTV	(C) DHKM	(D) BFIK
50.	(A) A 1 B 2	(B) F 6 J 10	(C) K 11 E 5	(D) L 4 N 10

МАТ	HS		-5-	
51.	What is the absol	ute value of $2 \times 4 \div 16 -$	7+8÷2×3-11÷2	
•	(A) 1	(B) 0	(C) 2	(D) ½
52.	How many intege (A) 8	rs are there between -7 (B) 7	7/3 to 17/3 (C) 5	(D) infinite
50				
53.	them	onsecutive integers is 4	9, then what is the mea	in of the least and highest numbers among
	(A) 7	(B) 14	(C) 49	(D) none
54.	•	•	nt one rupee, 5 rupee a each denomination he h (C) 2	and 10 rupee coins, and has a total of 64 nas (D) 4
55.		•		s and for each wrong answer – 2 marks are arks. Then how many wrong answers he
	(A) 2	(B) 4	(C) 3	(D) 1
56.	A number betwee (A) 1/2	en 5/7 and 8/9 is (B) 13/14	(C) 11/12	(D) 3/4
57.	How many integra	al values of x can satisfy	$t \text{ this } \frac{7}{9} < \frac{3}{x} < \frac{4}{5}$	
	(A) 1	(B) 0	(C) 2	(D) infinite
58.	$\frac{3.5 \div 0.7 + 2}{4 - 2\frac{1}{2} + 0.5} - \frac{4 \div 2}{8}$	$\frac{0.2\times8-12\times5}{3\div(3\times4)-\frac{1}{3}}\times\frac{1}{50}=$		
	(A) $\frac{5}{2}$	(B) $\frac{-5}{2}$	(C) $\frac{19}{2}$	(D) $\frac{-19}{2}$
59.	0.34 =			
	(A) $\frac{34}{99}$	(B) $\frac{33}{99}$	(C) $\frac{34}{100}$	(D) <u>33</u> 100
60.	What digit will cor	me in 105 position in the	e quotient of $\frac{1}{7}$	
	(A) 8	(B) 4	(C) 1	(D) 2
61.	For a particular da (A) 100	ata if median = mean = (B) 10	100 then mode = (C) 500	(D) 200
62.		als of a frequency distril	bution is 0–10, 10–20,	20-30 What is the upper boundary of
	class 10 <i>-</i> 20 A) 10	(B) 20	(C) 15	(D) 20.5
63.		of the first six multiples (B) 12		(D) 16

64.	For a given data 2, 4, 5 (A) 6	5, x, 9, 9, 10 (all the obse (B) 7	ervations are integers on (C) 8	ly), if the median is x, then x can take (D) All of the above
65.	For any data, the leas highest observations a (A) 12, 60		ons are in the ratio of 2:5 (C) 16, 64	5 and its range is 48, then the least & (D) 32, 80
66.	A simple equation (line (A) 1	ear equation in one varia (B) 2	ble) has how many soluti (C) infinite	ions (D) zero
67.	If the sum of a two dig (A) 11	it number and the numbe (B) sum of its digits	er obtained by reversing i (C) both a & b	its digits is always divisible by (D) none
68.	If $\frac{3x-1}{2x+5} = \frac{3}{4}$ then $x =$ (A) $\frac{-19}{6}$		(C) $\frac{19}{4}$	(D) $\frac{-19}{4}$
69.	$\frac{2x+3}{5} - \frac{3}{4} = \frac{x-4}{2} + 1th$ (A) $\frac{-17}{2}$		(C) <u>17</u>	(D) $\frac{-17}{4}$
70.	If one third of a numbe	er exceeds its one fifth by	v 10, then what is the nur	nber?

(A) 75 (B) 25 (C) 90 (D) 150

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PHYSICS

71.	Rise in temperature	e by 1°C is equal to						
	(A) Rise in temperature $32^{\circ}F$ (B) Rise in temperature by 1 K							
	(C) Rise in temperature by 273 K (D) Insufficient information							
72.	What is the SI unit of	•						
	(A) Celsius	(B) Fahrenheit	(C) Kelvin	(D) None of these				
73.	Which of the followi	ing statement is wrong?						
	(A) Normally, solids	s expand on melting	(B) Normaly, a lic	quid contract on freezing				
	(C) There is no effe	ect on volume during cooling	(D) All of the abo	ve				
74.	Woollen clothes kee	eps us warm during winter b	ecause					
	(A) Wool is a poor o							
	(B) Wool is a good	conductor of heat						
	(C) Air trapped in b	etween fibres prevents the h	eat flow as it is a b	ad conductor				
	(D) Both (A) and (C	;)						
75.	How much energy i	is needed to change the tem	perature of 50.0 g	of water by 15.0°C? (Take specific heat of				
	water as 4200 J/Kg							
	(A) 5000 J	(B) 3.15 x 10 ⁶ J	(C) 3150 J	(D) 5 x 10 ⁶ J				
70				ahan an Calaina anala is				
76.		a body changes by 72°F. T						
	(A) 14.8°C	(B) 40°C	(C) 20°C	(D) 50°C				
77.	One day the minim	num temperature in Delhi w	as recorded as 2	3°F. What was the temperature in degree				
	Celsius of Delhi on	-						
	(A) 15°C	(B) <i>−</i> 5°C	(C) –9°C	(D) 6°C				
			、 <i>,</i>					
78.	The SI unit of coeffi	icient of linear expansion is _						
	(A) °C ⁻¹	(B) K ⁻¹	(C) °F ⁻¹	(D) None				
79.	The amount of heat	t absorbed by a body depend	ds on					
15.	(A) mass of the boo		(B) change in ten	nperature				
	(C) nature of the ma		(D) all of these					
			()					
80.	During the change	of phase which of the followi	ng remains consta	nt				
	(A) heat	(B) volume	(C) temperature	(D) none				
81.	On a hypothetical s	cale 'x', the ice point is 40°	and the steam poir	nt is 120° . For another scale 'y', the ice				
	point and the steam	n point are -30° and 130° r	espectively. If 'x' re	eads 50° , then 'y' would read				
	(A) –10°	(B) 0°	(C) 15°	(D) 20°				
82.	Calculate the amou	int of heat required to melt 1	00 g of ice complet	tely. $(L_f = 80 \text{ cal/g})$				
	(A) 80 cal	(B) 80 kcal	(C) 8 cal	(D) 8 kcal				

			-8-	
83.	•	the ice point of a me ect temperature read by		wrongly marked as 92°C and 2°C
	(A) 10 °C	(B) 20 °C	(C) 30 °C	(D) 40 °C
84.	Find the temperature of	of an object in Fahrenhei	t scale, if its temperature	e in Kelvin is 303 K.
	(A) 70°F	(B) 55 °F	(C) 100 °F	(D) 86 °F
85.	•	ature of 40°C is equivale		
	(A) 45 °F	(B) 72 °F	(C) 32 °F	(D) 25 °F
86.	Heat from the Sun rea	ches to us due to		
	(A) Radiation	(B) Convection	(C) Conduction	(D) None of the above
87.	The mass of water that as 4200 J/Kg °C).	at can be heated from 20)°C to 80°C using 12600	0 Joules? (Take specific heat of water
	(A) 1 Kg	(B) 0.5 Kg	(C) 2 Kg	(D) 0.2 Kg
88.	0,	•	•	aluminium from 100 °C to 150 °C?
	· · · ·	/ of aluminium is 900 J/K	- /	
	(A) 4.5 × 10 ⁵ J	(B) 4500 J	(C) 3000 J	(D) 3 × 10 ⁵ J
89.	A copper rod of 5 m is	heated so as to increas	e the temperature of the	rod by 100 $^{\circ}$ C. Then find the increase
	in the length of the roc	I? Take the coefficient of	linear expansion of the	rod as $3 \times 10^{-4} ^{\circ}\text{C}^{-1}$
	(A) 45 cm	(B) 4.5 m	(C) 15 cm	(D) 1.5 m
90.	The flow of heat by co	nduction is generally obs	served in case of	
	(A) solids	(B) liquids	(C) gases	(D) all of these

CHE	MIST	RY				-9-	
91.		ch of the following			ion?		
	(A) (oxide	(B) sulp	niue		(C) calcium	(D) sodium
92.	Identify the correct match.						
	(i) N	litride – N ^{3–}	(ii) Chlo	oride –	$-Cl^{2-}$	(iii) Magnesium-	- Mg ²⁺
	(A) (i), (ii)	(B) (i), (i	iii)		(C) (ii), (iii)	(D) (i), (ii), (iii)
	•						
93.	Sym (A) T	bol of Tin is Fi	(B) Sn			(C) Sb	(D) Tn
	(//)					(0) 00	
94.	Form	nula of potassium	permanga	inate i	s		
	(A) ł	KMnO ₄	(B) K ₂ N	1nO ₄		(C) $K(MnO_4)_2$	(D) K ₃ MnO ₄
95.		electronic configu	•	,	of fourthe		
	(A) 2	282	(B) 2 8	3		(C) 2 8 4	(D) 2 8 5
96.	The	molecular mass o	of CO ₂ is				
	(A) 2		(B) 28u			(C) 38u	(D) 44u
	()	(7) 220 (2) 200					
97.	An element 'X' has 16 protons in its nucleus and its mass number is 32. The number of neutrons in its						
	nucleus and the symbol of its dinegative ion res						
	(A) 1	16, X ^{2–}	(B) 32, 2	X ²⁺		(C) 32, X ^{2–}	(D) 16, X ²⁺
20	Identify the correct set of numbers to balance the following equation.						
JX	Idon	tify the correct set	of numbe	re to h	alanca ti	ne following equation	a
18.				rs to t	balance tl	ne following equation	on.
98.	PbS	$S + H_2O_2 \rightarrow PbSO_2$	$_4 + H_2O$			0	
JX.	PbS	$S + H_2O_2 \rightarrow PbSO_2$				ne following equation (C) 4, 1, 4, 1	on. (D) 3, 1, 3, 4
	PbS (A)	$S + H_2O_2 \rightarrow PbSO_2$	₄ +H ₂ O (B) 2, 4,			0	
	PbS (A) aZn a, b,	$S + H_2O_2 \rightarrow PbSO_1$ 1, 4, 1, 4 $S + bO_2 \rightarrow cZnO_2$ c and d in the bal	4 +H ₂ O (B) 2, 4, +dSO ₂ lanced equ	, 2, 4 Jation		(C) 4, 1, 4, 1	(D) 3, 1, 3, 4
	PbS (A) aZn a, b,	$B + H_2O_2 \rightarrow PbSO_2$ 1, 4, 1, 4 $S + bO_2 \rightarrow cZnO_2$	4 +H ₂ O (B) 2, 4, +dSO ₂	, 2, 4 Jation		0	
99.	PbS (A) aZn a, b, (A) 2	$S + H_2O_2 \rightarrow PbSO_2$ 1, 4, 1, 4 $S + bO_2 \rightarrow cZnO_2$ c and d in the ball 2, 2, 2, 1	$_{4} + H_{2}O$ (B) 2, 4, + dSO ₂ lanced equ (B) 2, 2,	, 2, 4 Jation		(C) 4, 1, 4, 1	(D) 3, 1, 3, 4
99.	PbS (A) aZn a, b, (A) 2	$S + H_2O_2 \rightarrow PbSO_1$ 1, 4, 1, 4 $S + bO_2 \rightarrow cZnO_2$ c and d in the bal	$_{4} + H_{2}O$ (B) 2, 4, + dSO ₂ lanced equ (B) 2, 2,	, 2, 4 Jation		(C) 4, 1, 4, 1 (C) 2, 3, 2, 1	(D) 3, 1, 3, 4
99.	PbS (A) aZn a, b, (A) 2	$S + H_2O_2 \rightarrow PbSO_1$ 1, 4, 1, 4 $S + bO_2 \rightarrow cZnO_2$ c and d in the bal 2, 2, 2, 1 tify the correct matrix	4 +H ₂ O (B) 2, 4, + dSO ₂ lanced equ (B) 2, 2, atch.	, 2, 4 Jation	are Columr Wool yi	(C) 4, 1, 4, 1 (C) 2, 3, 2, 1	(D) 3, 1, 3, 4
99.	PbS (A)	$S + H_2O_2 \rightarrow PbSO_2$ 1, 4, 1, 4 $S + bO_2 \rightarrow cZnO_2$ c and d in the ball 2, 2, 2, 1 tify the correct matrix Column I Mulberry leaves Sheep	4 +H ₂ O (B) 2, 4, + dSO ₂ lanced equ (B) 2, 2, atch.	, 2, 4 Jation , 3, 2 (p) (q)	are Columr Wool yi Yields s	(C) 4, 1, 4, 1 (C) 2, 3, 2, 1 (C) 2, 3, 2, 1 (C) 2, 3, 2, 1	(D) 3, 1, 3, 4
99.	PbS (A) - aZn: a, b, (A) 2 Iden (i) (ii)	$B + H_2O_2 \rightarrow PbSO_1$ 1, 4, 1, 4 $S + bO_2 \rightarrow cZnO_1$ c and d in the ball 2, 2, 2, 1 tify the correct matching Column I Mulberry leaves Sheep Scouring	4 +H ₂ O (B) 2, 4, + dSO ₂ lanced equ (B) 2, 2, atch.	, 2, 4 Jation , 3, 2 (p) (q) (r)	are Columr Wool yi Yields s Cleanir	(C) 4, 1, 4, 1 (C) 2, 3, 2, 1 (C) 2, 3, 1 (C) 2, 3, 2, 1 (C) 2, 3, 2, 1 (C) 2, 3,	(D) 3, 1, 3, 4
99.	PbS (A) aZn a, b, (A) 2 Iden (i) (ii) (iii) (iii)	$S + H_2O_2 \rightarrow PbSO_1$ 1, 4, 1, 4 $S + bO_2 \rightarrow cZnO_2$ c and d in the ball 2, 2, 2, 1 tify the correct matrix Column I Mulberry leaves Sheep Scouring Cocoon	4 +H ₂ O (B) 2, 4, +dSO ₂ lanced equ (B) 2, 2, atch.	, 2, 4 Juation , 3, 2 (p) (q) (r) (s)	are Columr Wool yi Yields s Cleanir Food o	(C) 4, 1, 4, 1 (C) 2, 3, 2, 1 (C) 2, 3, 1 (C) 2, 3, 2, 1 (C) 2, 3, 2, 1 (C) 2, 3,	(D) 3, 1, 3, 4 (D) 2, 3, 2, 2
99.	PbS (A) aZn a, b, (A) 2 Iden (i) (ii) (iii) (iii)	$B + H_2O_2 \rightarrow PbSO_1$ 1, 4, 1, 4 $S + bO_2 \rightarrow cZnO_1$ c and d in the ball 2, 2, 2, 1 tify the correct matching Column I Mulberry leaves Sheep Scouring	4 +H ₂ O (B) 2, 4, + dSO ₂ lanced equ (B) 2, 2, atch.	, 2, 4 Juation , 3, 2 (p) (q) (r) (s)	are Columr Wool yi Yields s Cleanir Food o	(C) 4, 1, 4, 1 (C) 2, 3, 2, 1 (C) 2, 3, 1 (C) 2, 3, 2, 1 (C) 2, 3, 2, 1 (C) 2, 3,	(D) 3, 1, 3, 4 (D) 2, 3, 2, 2
99.	PbS (A) aZn a, b, (A) 2 Iden (i) (ii) (iii) (iii) (iv) (A) i-	$S + H_2O_2 \rightarrow PbSO_1$ 1, 4, 1, 4 $S + bO_2 \rightarrow cZnO_2$ c and d in the ball 2, 2, 2, 1 tify the correct matrix Column I Mulberry leaves Sheep Scouring Cocoon	4 +H ₂ O (B) 2, 4, +dSO ₂ lanced equ (B) 2, 2, atch.	, 2, 4 Jation , 3, 2 (p) (q) (r) (s) i-p, iii-	are Columr Wool yi Yields s Cleanir Food of r, iv-q	(C) 4, 1, 4, 1 (C) 2, 3, 2, 1 (C) 2, 3, 2 (C) 2, 3, 3 (C) 2, 3 (C)	(D) 3, 1, 3, 4 (D) 2, 3, 2, 2
99. 00.	PbS (A) aZn a, b, (A) 2 Iden (i) (ii) (iii) (iii) (iv) (A) i-	$B + H_2O_2 \rightarrow PbSO_1$ 1, 4, 1, 4 $S + bO_2 \rightarrow cZnO_1$ c and d in the ball 2, 2, 2, 1 tify the correct matrix Column I Mulberry leaves Sheep Scouring Cocoon -s, ii-r, iii-p, iv-q silk moth eggs are	4 +H ₂ O (B) 2, 4, +dSO ₂ lanced equ (B) 2, 2, atch.	, 2, 4 Jation , 3, 2 (p) (q) (r) (s) i-p, iii-	are Columr Wool yi Yields s Cleanir Food of r, iv-q	(C) 4, 1, 4, 1 (C) 2, 3, 2, 1 (C) 2, 3, 1 (C) 2, 3, 2, 1 (C) 2, 3, 2, 1 (C) 2, 3,	(D) 3, 1, 3, 4 (D) 2, 3, 2, 2
99. 100. 101.	PbS (A)	$B + H_2O_2 \rightarrow PbSO_1$ 1, 4, 1, 4 $S + bO_2 \rightarrow cZnO_2$ c and d in the ball 2, 2, 2, 1 tify the correct mark Column I Mulberry leaves Sheep Scouring Cocoon -s, ii-r, iii-p, iv-q silk moth eggs are poen	4 + H ₂ O (B) 2, 4, + dSO ₂ lanced equ (B) 2, 2, atch. (B) i-s, i e kept for h (B) strav	, 2, 4 Jation , 3, 2 (p) (q) (r) (s) i-p, iii-	are Columr Wool yi Yields s Cleanir Food of r, iv-q	(C) 4, 1, 4, 1 (C) 2, 3, 2, 1 (C) 2, 3, 2 (C) 2, 3, 3 (C) 2, 3 (C)	(D) 3, 1, 3, 4 (D) 2, 3, 2, 2 (D) i-q, ii-p, iii-r, iv-s
98. 99. 100. 101.	PbS (A) - aZn a, b, (A) 2 Iden (i) (ii) (iii) (iii) (iii) (iv) (A) i- The (A) c The	$S + H_2O_2 \rightarrow PbSO_1$, 4, 1, 4 $S + bO_2 \rightarrow cZnO_2$ c and d in the ball 2, 2, 2, 1 tify the correct mark Column I Mulberry leaves Sheep Scouring Cocoon -s, ii-r, iii-p, iv-q silk moth eggs are oven	4 + H ₂ O (B) 2, 4, + dSO ₂ lanced equ (B) 2, 2, atch. (B) i-s, i e kept for h (B) strav	, 2, 4 Jation , 3, 2 (p) (q) (r) (s) i-p, iii- natchir w	are Columr Wool yi Yields s Cleanir Food of r, iv-q	(C) 4, 1, 4, 1 (C) 2, 3, 2, 1 (C) 2, 3, 2 (C)	(D) 3, 1, 3, 4 (D) 2, 3, 2, 2 (D) i-q, ii-p, iii-r, iv-s (D) refrigerator
99. 100. 101.	PbS (A) - aZn a, b, (A) 2 Iden (i) (ii) (iii) (iii) (iii) (iv) (A) i- The (A) c The	$B + H_2O_2 \rightarrow PbSO_1$ 1, 4, 1, 4 $S + bO_2 \rightarrow cZnO_2$ c and d in the ball 2, 2, 2, 1 tify the correct mark Column I Mulberry leaves Sheep Scouring Cocoon -s, ii-r, iii-p, iv-q silk moth eggs are poen	4 +H ₂ O (B) 2, 4, +dSO ₂ lanced equ (B) 2, 2, atch. (B) i-s, i e kept for h (B) strav	, 2, 4 Jation , 3, 2 (p) (q) (r) (s) i-p, iii- natchir w	are Columr Wool yi Yields s Cleanir Food of r, iv-q	(C) 4, 1, 4, 1 (C) 2, 3, 2, 1 (C) 2, 3, 2 (C) 2, 3, 3 (C) 2, 3, 3 (C) 2,	(D) 3, 1, 3, 4 (D) 2, 3, 2, 2 (D) i-q, ii-p, iii-r, iv-s
99. 100. 101.	PbS (A)	$S + H_2O_2 \rightarrow PbSO_1$, 4, 1, 4 $S + bO_2 \rightarrow cZnO_2$ c and d in the ball c and d in the ball c, 2, 2, 1 tify the correct matrix Column I Mulberry leaves Sheep Scouring Cocoon -s, ii-r, iii-p, iv-q silk moth eggs are oven small fluffy fibres combs	4 +H ₂ O (B) 2, 4, +dSO ₂ lanced equ (B) 2, 2, atch. (B) i-s, i e kept for h (B) strav are (B) bolls ng parents	, 2, 4 Jation , 3, 2 (p) (q) (r) (s) i-p, iii- natchir w	are Columr Wool yi Yields s Cleanir Food of r, iv-q ng in an	(C) 4, 1, 4, 1 (C) 2, 3, 2, 1 (C) 2, 3, 2 (C)	 (D) 3, 1, 3, 4 (D) 2, 3, 2, 2 (D) i-q, ii-p, iii-r, iv-s (D) refrigerator (D) burrs

104.	Which of the following (A) acids are bitter to t (C) bases turn blue litr	aste	(B) bases are corrosive in nature(D) acids, turn red litmus to blue		
105.	Which of the following (A) Turmeric	is an olfactory indicator? (B) Beetroot	(C) Onion	(D) Red cabbage	
106.	$\text{HCI} + \text{NaOH} \rightarrow 'X' + \text{H}$	I_2O . 'X' in the reaction is	5		
	(A) NaCl	(B) 'NaH	(C) 'Cl ₂ O	(D) Na ₂ O	
107.	The acid present in sp	inach is			
	(A) Tannic acid	(B) Tartaric acid	(C) Ascorbic acid	(D) Oxalic acid	
108.	Which of the following	is acidic in nature?			
	(A) caffeine	(B) soap	(C) vinegar	(D) lime water	
109.	Which of the following	is used to make milk alka	aline?		
	(A) lemon juice	(B) carbonic acid	(C) common salt	(D) baking soda	
110.	Which of the following (A) table salt (C) lime water	is hydrated salt?	(B) gypsum (D) baking powder		

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BIOLOGY

111.	Which of the following are the sources of energ (A) carbohydrates and fats (C) both (A) and (B)	y? (B) proteins and minerals (D) none	
112.	A nutrient is (A) an organic or inorganic substance (C) needed for the survival of organisms	(B) necessary for the life of organisms (D) all of these	
113.	Autotrophic mode of nutrition is (A) making own food material by the organism (B) using simple inorganic substances as raw materials (C) found in green plants and certain bacteria (D) all of these		
114.	Which of the following is heterotrophic mode o (A) saprophytic (B) parasitism	f nutrition? (C) holozoic	(D) all
115.	Oxygen gas is liberated in which process? (A) photosynthesis (B) respiration	(C) both	(D) none
116.	Which of the following is the storage form of su(A) glycogen(B) glucose	ugars in plants? (C) starch	(D) cellulose
117.	In photosynthesis water is source of (A) oxygen (B) electrons	(C) protons	(D) all of these
118.	Saprophyte obtain their food from (A) sunlight (C) dead and decaying matter	(B) green plants (D) all of these	
119.	What is the effect of very high intensity of light (A) slows down the rate of the reaction (C) both a. and b.	on photosynthesis? (B) damages the chlorophyll (D) none of these	
120.	The process of taking food into the body is (A) ingestion (B) nutrition	(C) diet	(D) none
121.	What is the process of using absorbed food for (A) digestion(B) absorption	r energy, growth and repa (C) assimilation	air by cells? (D) respiration
122.	Gastric glands of human digestive system are (A) stomach (B) liver	in (C) pancreas	(D) small intestine
123.	What is the pH of the saliva? (A) 6.8 (B) 5.6	(C) 8.6	(D) neutral
124.	The movements that propel food into stomach (A) muscular movements (C) locomotory movements	nclude (B) peristaltic movements (D) all	
125.	Human teeth (A) covered by enamel (C) made of ivory substance called dentine	(B) are called thecodont (D) all of these	
Nish you all the best 🚿			