

Monthly Progressive Test

Class: X (G)

Subject: PCMB



Test Booklet No.: MPT07 (G) Test Date: 2 2 1 1 2 0 2 4

Time: 120 mins Full Marks: 200

Important Instructions:

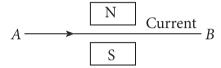
- 1. The Test is of 120 mins duration and the Test Booklet contains 100 multiple choice questions of single correct option only. There are four sections with four subjects. You have to attempt all 100 questions (Candidates are advised to read all 100 questions). Questions 1 to 25 contain Physics, Questions 26 to 50 contain Chemistry, Questions 51 to 75 contain Mathematics, Questions 76 to 100 contain Biology.
- 2. Each question carries 2 marks. For each correct response, the candidate will get 2 marks. There is no negative mark for wrong response. The maximum mark is 200.
- 3. Use Blue / Black Ball point Pen only for writing particulars marking responses on Answer Sheet.
- 4. Rough work is to be done in the space provided for this purpose in the Test Booklet only.
- 5. On completion of the test, the candidate must handover the Answer Sheet to the invigilator before leaving the Room / Hall. The candidates are allowed to take away this Test Booklet with them.
- 6. The CODE for this Booklet is Off Line MPT07(G)22112024
- 7. The candidates should ensure that the Answer Sheet is not folded. Do not make any stray marks on the Answer Sheet. Do not write your UID No. anywhere else except in the specified space. Use of white fluid for correction is NOT permissible on the Answer Sheet. **Do not scribble or write on or beyond discrete bars of OMR Sheet at both sides**.
- 8. Each candidate must show on-demand his/her Registration document to the Invigilator.
- 9. No candidate, without special permission of the Centre Superintendent or Invigilator, would leave his/her seat.
- 10. Use of Electronic Calculator/Cellphone is prohibited.
- 11. The candidates are governed by all Rules and Regulations of the examination with regard to their conduct in the Examination Hall. All cases of unfair means will be dealt with as per Rules and Regulations of this examination.
- 12. No part of the Test Booklet and Answer Sheet shall be detached under any circumstances.
- 13. There is no scope for altering response mark in Answer Sheet.

Space For Rough Works

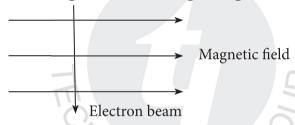


Physics

- 1. A magnetic field exerts no force on
 - (A) an electric charge moving perpendicular to its direction
 - B an unmagnetised iron bar
 - © a stationary electric charge
 - (D) a magnet
- 2. Which way does the current carrying wire in the diagram below tend to move:

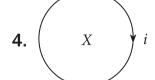


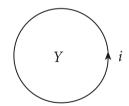
- Upward
- B Downward
- © No movement
- Rotates clockwise
- 3. An electron beam enters a magnetic field at right angles to it as shown in figure



The direction of force acting on the electron beam will be

- **(A)** to the right
- **B** to the left
- © into the page
- **©** out of the page





- $oldsymbol{lack}$ Polarity of coil *X* is *N* and polarity of coil *Y* is *N*
- B Polarity of coil *X* is *S* and polarity of coil *Y* is *N*
- © Polarity of coil *X* is *S* and polarity of coil *Y* is *S*
- \bigcirc Polarity of coil *X* is *N* and polarity of coil *Y* is *S*
- **5.** In commercial D.C. motors, select the correct option
 - The assembly of soft iron core and coil is called an armature
 - ® The coil contains a large number of turns of the insulated copper wire
 - © A powerful electromagnet is used in place of permanent magnet
 - ② All the above are correct

	[2]							
6.	. While defining a magnetic field line select the correct option/s							
	(A) It is a curve line around a magnet/a current carrying straight conductor such that the tangent at any point on the curve gives the direction of magnetic field at that point.							
	In barmagnet, field lines are open curved lines.							
	© Field lines are always parallel to the axis of a bar magnet.							
	All the above are correct.							
7.	The strength of the magnetic field around a wire as related to the strength of the electric current flowing in the wire is as per							
	 The strength of magnetic field B increases with the increase in the electric current The strength of magnetic field B is invariant with the increase/decrease in the electric current 							
	© The strength of magnetic field B increases with the decrease in the electric current in wire							
	All the above are correct							
8.	The direction of the magnetic field due to a current in a straight conducting wire i given by							
	A Planck's rule B Ohm's rule							
	© Thomson's rule Maxwell's right hand thumb rule							
9.	Materials used to make permanent magnet							
	AlnicoCarbon steelCobalt steelAll of the above							
10.	If we reverse the direction of current in a straight conducting wire in Oersted' experiment, then North pole of compass needle will also point in the opposite direction							
	A FalseB Sometimes falseC TrueD We cannot say							
11.	For a long straight current carrying wire, the strength of the magnetic field is inversely proportional to the distance from the wire.							
	A FalseB May be falseC TrueData insufficient							

Assertion and Reason type:

A False

- A. If assertion and Reason both are true, Reason is the correct explanation of assertion.
- **B.** If assertion and Reason both are true, but reason is not correct explanation of assertion.

12. Magnetic field at the centre of current carrying circular loop is along the axis of the loop.

© Maybe true

Data insufficient

- **C.** Assertion is true but reason is false.
- **D.** Assertion is false but reason is true.

® True

13. **Assertion:** If a coil has n turns, the magnetic field due to the coil is n times stronger than that due to a single turn.

Reason: The strength of the magnetic field due to a current carrying circular coil is proportional to the number of turns.

14. Assertion: More the strength of current in the circular coil, more is the strength of magnetic field.

Reason: Strength of the magnetic field produced by an electric current is directly proportional to the current.

15. **Assertion:** If the fingers of the right hand are curled along the direction of the current in a loop, the stretched thumb gives the direction of the magnetic field.

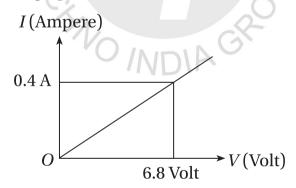
Reason: The above is not Right Hand Thumb rule for current loop.

- **16.** A lens of focal length 12 cm forms an erect image three times the size of the object. The distance between object and image is
 - **A** 8 cm
- **B** 24 cm
- © 20 cm
- 16 cm
- 17. If potential difference across a resistor 2 ohm is 10 volt, then current is
 - A 5A

(B) 3A

© 2A

- (D) 6A
- **18.** From the above mentioned graph, the resistance of the circuit is



- **(A)** 17 ohm
- **B** 15 ohm
- © 13 ohm
- **©** 9 ohm
- 19. Assertion: A concave lens is also called a diverging lens.

Reason: A parallel beam of light incident on a concave lens diverges on the other side.

A

 $oldsymbol{\mathbb{B}}$ B

 \odot C

(D)

20. **Assertion:** The power of a convex lens is positive.

Reason: The power of a concave lens is negative.

(A) A

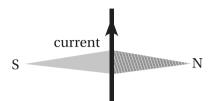
B B

 \odot C

(D)

21. Case-Based Questions: 21-23

In Oersted's Experiment a current carrying wire passes just over a magnetic needle perpendicular to it, as shown. Deflection of North Pole of the needle will be



(A)	Upward	on	the	nlane	of:	naner
ري	Opwara	$\mathbf{o}_{\mathbf{I}}$	uic	pianc	OI.	Dapei

B Downward on the plane of paper

© Upward off paper

Downward into paper

22. If the current is reversed then deflection of South Pole will be

- **(A)** Upward on the plane of paper
- B Downward on the plane of paper

© Upward off paper

Downward into paper

23. If we want to make North Pole pointing upward off the plane of paper, we must

A Increase the current

B Decrease the current

© Current be reversed

© Current be placed below needle

24. In Fleming's left hand rule magnetic field is taken along

A Thumb

B Forefinger

© Middle Finger

Ring Finger

25. The magnetic field of a solenoid coil does not depend on

A the strength of current

B number of turns

© soft iron core

area of cross-section of coil

Chemistry

26. The major compound present in marsh gas is

A CH₄

B C₈H₁₈

 \bigcirc C₂H₂

No option is correct

27. When ethanol reacts with sodium metal then the gas released is

 $\bigcirc O_2$

® CH₄

© H₂

 \bigcirc CO₂

28. Which of the following is an ester?

♠ CH₃COOC₂H₅

® CH₃OC₂H₅

© CH₃CH₂COC₂H₅

© CH₃COONH₄

29	. Ethanoic acid does i	not react with				
	NaCl	® Na ₂ CO ₃	©	NaOH	(D)	NaHCO ₃
30	. Cleansing action of	f a soap is associated w	vith			
	Water solubility		B	Micelle formation	n	
	© Boiling point		(D)	Density of the ma	ateri	ial
31	. How does a carbon	atom achieves its near	est 1	noble gas configur	atio	n
	A By accepting 2 e	lectrons	B	By sharing 4 elec	tron	.s
	© By sharing 2 elec			By releasing 2 ele		
32	. Among the given co	ompounds, which has	dou	ble bond between	ı two	carbon atoms?
	\bigcirc C ₂ H ₆	\mathbf{B} C ₂ H ₂	©	C_2H_5OH	(D)	C_2H_4
33	. Correct statement a	about allotrops is				
	Same physical p	roperties	B	Same chemical p	rop	ertiess
	© Different chemi	cal properties	(D)	Different elemen	its ar	re present
34	. The reagent used to	o form CH ₃ COOH from	n C ₂	H ₅ OH is	_	
	Concentrated H	2SO ₄	B	CaCl ₂		
	© Alkaline KMnO4	solution	(D)	NaHCO ₃		
35	. Coal and petroleun	n are termed as fossil f	fuels	because		
	A They are used to	preserve fossils		-0-0		
	All fossils are for	rmed inside coal and p	etro	oleum		
	© They are formed	l from the remains of t	he a	ncient botanical a	nd z	zoological species
	They are collect	ed deep from the eartl	h's c	rust		
36	. Carbon forms straigl	ht chain and giant mole	cula	r network. This prop	erty	is known as
	Allotropy	B Carbonization	©	Catenation	(D)	Polymerization
37	is used as a	a preservative in pickle	es			
	⊕ CH ₃ COOH	® CH ₃ OH	©	НСООН	(D)	CH ₃ CH ₂ OH
Ass	ertion Reason Type	Question (38):				
F	Read the two statemen	nts carefully and selec	t the	correct option giv	en l	pelow.
		n both are correct and			_	
		on both are correct a	nd F	Reason is not the	cor	rect explanation o
	Assertion is correct b	ut Daggan is umans				
	Assertion is correct b	_				
D:	Assertion is wrong bι	it iteason is confect				

38.	Assertion (A): CH ₃	OH and C ₂ H ₅ OH are a	llotrops to each other	
	Reason (R): Molar	mass of C2H5OH is hig	her than CH ₃ OH	
	A A	B B	© C	D
Case	Based Questions (39):		
	Read the passage ca	arefully and select the o	correct options	
20	non - carbon eleme present is known as and physical prope carboxylic acid, ald	ents are also present. To functional groups. Furtherities of the organic modely alcohol,	The part in which non actional groups give the blecules. Some organi	and in some molecules, a - carbon elements are the idea of both chemical c functional groups are
39.	Functional groups §			
		ies of the molecule onl	•	
		ties of the molecule or	nly	
		of the molecule only	C (1 1 1	
40	• •	d chemical properties		
40.	_	ring does not contain a		
4.4	Butane	Ethanoic acid	© Propanone	© Ethyl alcohol
41.		ring element cannot for		_
4.0	A Carbon	Boron	© Sulphur	Iron
42.	Which ore needs ca			
4.0	A Carbonate	Chloride	© Sulphide	Bromide
43.	When a small amo colour of the solution		n is added to dilute s	sulphuric acid then the
	A Colourless to blue		Colourless to pin	k
	© Soution remains	colourless	© Colourless to gree	
44.	In which of the foll	owing option both the		number of electrons in
	their outermost she	ells?		
	A Nitrogen and ph	osphorus	B Calcium and carl	oon
	© Chlorine and so	dium	Nitrogen and bor	ron
45.	When quick lime re	ats with water then cal	cium hydroxide is fori	med. It is an example of
	A Combination rea	action	B Displacement rea	action
	© Double displace	ment reaction	Decomposition r	eaction
46.	Ethanoic acid react	s with sodium bicarbo	nate and the correct s	tatements are
	(I) The colour of the	e released gas is red		

	(II) The solution rema	ains colourless after th	ne e	nd of the reaction	
((III) Water is produce	d as the byproduct			
	(A) I, II, III	® I, II	©	II, III	① I, III
47.	Wrong statements as	re			
	(I) Both carboxylic ac	id and amine function	nal	groups contain dou	uble bonds
	(II) In case of ether m	olecules, the central o	xyg	en atom is bonded	with three alkyl groups
((III) The correct IUPA	C name of CH ₃ CH ₂ CC	000	CH ₂ CH ₂ CH ₃ is prop	yl propanoate
	(A) I, II, III	₿ I, II	©	II, III	© I, III
48.	Diamond does not c	onduct electricity bec	aus	e	
	A It does not contain	n free electrons	B	It has crystalline s	structure
	© It contains only c	arbon atoms	(It has very high m	elting point value
49.	What is the correct p	ercentage of acetic ac	cid i	n vinegar ?	
	(A) 10 - 15%	B 4 - 6%	©	20 - 25%	1 - 3%
Asse	ertion Reason Type Q	uestion (50):			
Re	ead the two statemen	ts carefully and select	the	correct option give	en below.
A	Assertion and Reaso	n both are correct and	Rea	son is the correct e	${f xplanation of Assertion}$
B		on both are correct a	nd	Reason is not the	correct explanation of
0	Assertion	1.D		C	
	Assertion is correct l		M	AIC	
		ut Reason is correct		of alcotricity	
50.		ane is a poor conduct		-	
		ne is a gaseous compo			
	A A	B B	©	C	(D) D
•—		Mathe	m	atics	•
E 4	If the anadime and had	alat of a ardin don one in		:	una i a 550 ann 2 tha an ita
ЭΤ.		•	ı ra	.10 5 : 7 and its voiu	ime is 550 cm³, then its
	radius is equal to (T	ake $\pi = {7}$).			
	A 6 cm	B 7 cm	©	5 cm	1 0 cm

52. A tent is in the form of a cylinder of diameter 8 m and height 2 m, surmounted by a cone

of equal base and height 3 m. The canvas used for making the tent is equal to

(A) $36 \pi \text{ m}^2$ **(B)** $28 \pi \text{ m}^2$ **(C)** $24 \pi \text{ m}^2$

1 32 π m²

53. A river 3 m deep and 60 m wide is flowing at the rate of 2.4 km/h. The amount of water

B 6400 m^3

 \bigcirc 7200 m³

running into the sea per minute is

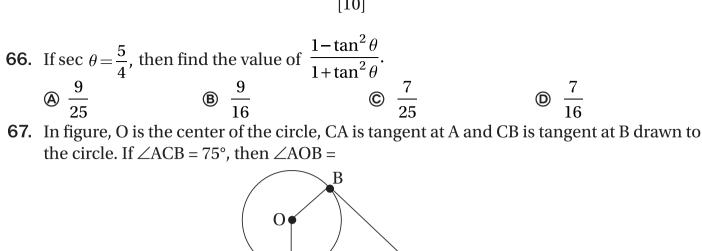
54. Find the mean of the following distribution

A 6000 m³

© 6800 m³

		1	1				1		
	x:	4	6	9	10	15			
	f:	5	10	10	7	8			
	A 9		(B 15			©	18	none of these
55.	Find th	e mode	e of the	followi	ng data				
	26,	16, 19,	48, 19, 2	20, 34, 1	5, 19, 2	20, 21, 2	4, 1	9, 22, 16, 18, 20, 1	16, 19
	A 48		(B 20			©	19	② 24
							_	•	nen a ticket is drawn at h is a multiple of 2 or 3.
			($\frac{3}{5}$			©	3	\bigcirc $\frac{5}{6}$
			o childı	en in a	family	, find th	ie p	probability that th	ere is atleast one girl in
	the fam	111y.	1)					2	
	$\textcircled{A} \frac{1}{4}$		($\mathbb{B}\left(\frac{1}{2}\right)$			©	$\frac{3}{4}$	None of these
Asse	rtion Re	eason b	oased Q	uestio	ns (58–	59):	0		
				-	-			ment of assertio	n (A) is followed by a owing choices.
(a)		ssertioi on (A).	n (A) an	ıd reaso	on (R) a	re true	ano	d reason (R) is the	e correct explanation of
(b)		ssertion ertion (<i>E</i>		d reasc	on (R) a	re true	but	reason (R) is not	the correct explanation
(c)	Asserti	ion (A)	is true l	out reas	son (R)	is false			
(d)	Asserti	ion (A)	is false	but rea	son (R)	is true	•		
	Asserti half of			_		ne is 24	cm	n and radius of th	e base is 7 cm, then the
	Reasor	n (R)		be the $t = \sqrt{h^2}$		and I	<i>i</i> b	e the height of	the cone, then slant
	(A) a		(B b			©	c	(D) d
Techi	Techno India Group ● DN-25 ● Sector-V ● Kolkata								

59.	Assertion then m		the va	alues o	of mean, me	diar	n and mode ar	re 63, m	and 60 respectively			
	Reason	(R) : Medi	ian =	Mean	+ Mode							
	(A) a		B	b	2	©	c	(0	d			
Case	Study B	ased Ques	stions	s (60-6	62):							
TI	TIPGS, Kolkata is organizing a sports day with various events. Class X has participated in											
three	e events :	the 100 m	eter r	ace, th	ne long jump	and	d the short-pu	ıt.				
	Data:	(i) Total	num	ber of	students in	clas	s X = 40					
		(ii) Num	ber o	f stude	ents who par	tici	pated in the 1	00 mete	er race = 25			
	((iii) Num	ber o	f stude	ents who par	tici	pated in the lo	ong jun	np = 20			
	((iv) Num	ber o	f stude	ents who par	tici	pated in the sl	hot-put	= 15			
		(v) Num	ber o	f stude	ents who par	tici	pated in all th	ree eve	nts = 5			
	Based o	n this info	rmati	on ans	swer the follo	owii	ng questions.					
60.		the probaker race?	•						X participated in the			
61.		_		U			$\frac{1}{2}$ d student from)1 X participated in the			
62.	long jun	the probal	® pility	_	andomly sele	©	5 8 d student fron		none of these X participated in the			
	(A) 1		B	0		©	$\frac{3}{8}$	(0	none of these			
63.		meter of a released to				and	it is melted to	draw a	wire of diameter 0.2			
	(A) 24 m		lacksquare	28 m		©	32 m	0	36 m			
64.	Mean of	f all possib	le fac	tors of	f 10 is							
	A 6		B	2		©	4.5	(0)) 5			
65.	What is	the probab	oility	that a	leap year ha	s 53	Sundays?					
	$\triangle \frac{1}{-}$		B	$\frac{2}{7}$		©	$\frac{3}{7}$	(0) 1			





B 85°

© 95°

105°

The distance between the points (a, b) and (-a, -b) is

(A)
$$a^2 + b^2$$

 $\mathbb{B} \sqrt{a^2 + b^2}$

© 0

 $\bigcirc 2 \sqrt{a^2 + b^2}$

69. If the sum of the roots of the equation $ax^2 + bx + c = 0$ is equal to product of their reciprocals, then

$$\triangle a^2 + bc = 0$$

(B) $b^2 + ca = 0$

(c) $c^2 + ah = 0$

(D) b + c = 0

70. Three chairs and two tables cost ₹1850. Five chairs and three tables cost ₹2850. Then the total cost of one chair and one table is

® ₹850

© ₹900

71. A metallic sphere of radius 16 cm is melted and recast into small spheres each of radius 2 cm. How many small spheres can be obtained?

A 512

B 510

© 514

© 515

72. A right circular cylindrical container of base radius 6 cm and height 15 cm is full of ice cream. The ice cream is to be filled in cones of height 9 cm and base radius 3 cm, having a hemispherical cap. Find the number of cones needed to empty the container.

(A) 14

B 15

 \bigcirc 12

10

73. The mean of the data 1, 2, 3, n is

(2n+1)

© $\frac{(2n-1)}{6}$

 \bigcirc $\frac{n(n+1)}{c}$

74. A box contains 5 red marbles, 8 white marbles and 4 green marbles. One marble is taken out of the box at random. What is the probability that the marble taken out will be not green?

© $\frac{13}{17}$

None of these

75	. Savita and Hamid birthdays (ignoring			is th	e probability that	they	will have different
			- 5	©	363 365	(D)	1
•—			Biol	ogy			•
76	. The number of ch	romosom	es in a humar	n cell	is		
	A 23 pairs	B 26			46 pairs	(D)	49 pairs
77	. When we say a pla		-		1	Ū	P
	Phenotype		notype	_	Both	(D)	None
78	• •		• -	ced	in Mendel's monol	hyb	rid cross is
	A TT	B Tt	_	©	tt	(D)	None
79	. Ozone depletion i	s caused	by				
	\bigcirc CO ₂	® BH	i.C	©	CFC	(D)	All
80	3:1 is the						
	A Phenotypic rate	io of mon	ohybrid cross	B	Phenotypic ratio	of di	ihybrid cross
	© Genotypic ratio	of mone	hybrid cross	(D)	Genotypic ratio o	f dil	nybrid cross.
81	. Amount of energy	transferr	ed from one to	-		is	
	A 1.5%	B 109	%	©	15%	(D)	20%
82	Select the correct	_	1/0				
	Human males :		- /////	D\{	70		
	Human males a						
	© Human female			toro	gamatia		
	Both human m			etero	gamenc		
Dir A. B. C. D.	ertion-Reason type ections: Read the for Both Assertion and I Both Assertion and Assertion. Assertion is true but Assertion is false but Assertion: Doming presence of anoth	llowing qu Reason ar Reason Reason i t Reason nant allelo	uestions and ce true and Rea are true but I s false. is true.	son i Reas	s the correct explanation is not the corr	nati ect	on of the Assertion. explanation of the
	Reason: It is repre	_ '	y capital letter	_			
	A A	B B		©	C	(D)	D

		-	-		
84.	Assertion: The sex from the mother	of the children will	be de	etermined by the	chromosomes received
	•	y produce sperms, eitl			
	_	male produce sperms			
	A A	B B	_	С	© D
85.	Assertion: Food ch	ains generally consis	ts of 3	3 or 4 steps	
	Reason: When gredost as heat to the e		y prii	mary consumers,	a great deal of energy is
	A A	B B	©	C	© D
86.	Assertion: Forests, _]	onds and lakes are n	atura	al ecosystems.	
	Reason: Gardens a	nd crop fields are hur	man	made ecosystems	•
	A A	B B	©	С	© D
Case	Based Questions (87-90):			
	Study the cross	given below :			
	Paren Game F ₁ ger	司司	Trr	×	tt RR
87.	If TT rr stands for tt RR, will be	=	ed se	eeds, the phenoty	pe of the second parent
	(A) dwarf with wrin	kled seeds	B	dwarf with roun	d seeds
	© tall with round s	seeds	(D)	None	
88.	What is 'a'?				
	(A) TT	® Tr	©	Trr	© tR
89.	What is 'b'?	0 11	Ŭ		0 121
	TT	® Tr	©	T rr	© t R
90.	What will be the ph	_	9		
J J.	Tall plant with w	-	B	Tall plant with ro	ound seeds
	© Dwarf plant with			Dwarf plant with	
	wan piani Will	n willikieu seeus	(L)	Dwall plattt Will	i iouliu seeus

91	-	lant, the male gamete s in the zygote?	as 24 chromosomes. What will be	the number of
	(A) 12	B 24	© 48 © 72	
92	. Regeneration	is found in		
	A Yeast		B Leech	
	© Hydra		Ascaris	
93	. Urine leaves	the kidney through		
	Orethra		Collecting duct	
	© Renal vein	ı	O Ureter	
94	. A mechanica	l barrier to avoid preg	ancy is	
	Condom		Contraceptive pills	
	© Surgical m	nethods	Abortion	
95	. C-shaped rin	gs of cartilage are pres	nt on the	
	A Trachea o	nly	Trachea and bronchi	
	© Trachea, b	oronchi and bronchiol	Bronchi and bronchioles	3
_				
		type Questions (96-9		c
			nd choose any one of the following	_
A.	Both Assertion	and Reason are true ar	Reason is the correct explanation	of the Assertion.
	Both Assertion Assertion.	and Reason are true	out Reason is not the correct exp	lanation of the
C.	Assertion is tru	e but Reason is false.		
D.	Assertion is fals	se but Reason is true.		
96	. Assertion: M	endel selected the pea	plants for his experiments	
	Reason: Pea	plants do not show co	trasting traits	
	A A	B B	© C	
97	. Assertion: In	pea plants, dwarfness	s the recessive trait.	
		trait of dwarfness only d by the trait of tallnes	xpresses itself in the homozygous o	condition and is
	A A	® B	© C	

Case Based Questions (98-100):

Read the given passage and answer the following questions:

The length and complexity of food chains vary greatly. Each organism is eaten by two or more other kinds of organisms, which in turn, are eaten by several other types of organisms. This links several food chains and forms a complex relationship between food chains in nature.

	20.				
98. The complex interrelationship between different food chains is called a					
	♠ Food web	B Trophic level			
	© Food pyramid	None.			
99.	Consider the food chain : Grass → Deer chain, viz., grass, deer and tiger, represent	$\operatorname{tr} \longrightarrow \operatorname{Tiger}$. What does each step of the food t ?			
	A Consumers	B Trophic levels			
	© Food level	All			
100	Choose the correct statement about the g	given foodchain.			
	The energy transferred to the deer will a	never come back to grass again.			
	® The energy of the deer will be transferred	ed partly to the tiger.			
	© The energy transferred from grass to d from deer to tiger.	deer will be less than the energy transferred			
	All the statements are correct.	G			

Space For Rough Works