

Monthly Progressive Test

Class: VIII (S)

Subject: PCMB



Test Booklet No.: MPT05 Test Date: 2 2 0 8 2 0 2 4

Time: 180 mins Full Marks: 200

Important Instructions:

- 1. The Test is of 180 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 MPT0522082024.
- 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 scrible 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 boy picks a mango mango?	o from a tree. Just befor	re picking how many	forces are acting on the
	A 1	B 2	© 3	D 4
2.	A body of mass 1 kg	is resting on a table. W	What is the value of the	e normal force?
	(A) 1 N	® 1 dyn	© 1 kgf	None of these
3.	Friction is			
	Advantageous	B Disadvantageous	© Both of these	None of these
4.	Air pressure change	s with altitude becaus	e of changes in	
	(A) density of the atm	nosphere	B depth of the atmo	osphere
	© both of @ and ®		• temperature of the	ne atmosphere
5.		of 10 kg with a horized will be the value of the f		d the mass accelerates $r = 10 \text{ m/s}^2$)
	(A) 0.2	B 0.3	© 0.4	0 0.5
6.	At a depth h , in a liq	uid or gas, pressure is	equal to	
	(A) $\rho g/h$ where ρ is t	the density of the liqui	d/gas	
	B hg/ρ where ρ is t	the density of the liqui	d/gas	
	© $\rho h/g$ where ρ is t	the density of the liqui	d/gas	
	© ρgh where ρ is th	e density of the liquid	/gas	
7.	•	is resting on a table. A What is the normal for	· ·	2 kg is placed on top of kg feels $[g = 9.8 \text{ ms}^{-2}]$.
	A 9.8 N	B 29.4 N	© 19.6 N	39.2 N
8.	1 atm is equivalent t	to x(m) water column l	height pressure, then	<i>x</i> =
	A 5	B 8	© 6	D 10
9.	Pressure exerted by is accelerating upwa		water, placed in the flo	oor of an elevator which
	$\triangle > h\rho g$		lacksquare B < h ho g	
	$\bigcirc = h\rho g$		Insufficient information	mation
10.	Which force is respo	onsible for upward mo	vement of parachute	
	(A) gravitational force	ee	B buoyant force	
	© magnetic force		electrostatic force	2

11.	. The similarities between electrostatic force and magnetic force				
	Both are non-cor	ntact forces	$^{f B}$	Both are attractiv	e
	© Both can be repu	ılsive	(D)	All of these	
12.	A spring balance is	used to measure			
	A Mass of object	B Weight of object	©	Pressure	Speed of object
13.	If friction suddenly	vanishes what happer	ıs?		
	We are unable to	walk	lacksquare	We are unable to	write
	© We are unable to	hold	(D)	All of these are co	orrect
14.	resting on a table. E		boo	•	papers being same are s, while book C has 500
	♠ Book A		lacksquare	Book B	
	© Book C		(D)	They all face the s	same friction
15 .	If a 10 N and 5 N fo then acceleration of		nass	5 kg, along the sa	ame line and direction,
	$ 1 \text{ m/s}^2 $	\bigcirc 2m/s ²	©	3m/s^2	$\bigcirc 5m/s^2$
	ctions: Read the follo				llowing four responses. rect explanation of the
	Assertion.	VO	C		_
	B. If both Assertion Assertion.	and Reason are true l	out l	Reason is not a coi	rrect explanation of the
	C. If Assertion is tru	e but the Reason is fal	lse.		
	D. If Assertion is fal	se but Reason is true.			
16 .	Assertion: The atmo	ospheric pressure is so	gre	eat but we aren't cr	rushed
	Reason: The atmospholood pressure acting		on	our body from out	tside is balanced by the
	A A	B B	©	C	D
17 .	Assertion: To pull enough	the rubber sucker of	f the	e wall,the applied	force should be large
	pressure area inside	_	ckeı	hook. The higher	rced out, leaving a low atmospheric pressure ne wall.
	A A	B B	©	C	D D

Case based Questions (18 - 20):

Drinking through a straw.

The air pressure helps us enjoy our drink. When we suck, we are removing the air in the straw which allows the atmospheric air pressure acting on the surface of the liquid to push d

raise	iquid up the straw. Wi the liquid. We can tr not rise up, no matter	ry this by suckin	ng the liqu			_
18.	. While sucking the straw, mention the substance we remove					
	A air	B water	©	oil	(D)	kerosene
19.	When sucking fails?	It must be				
	(A) in presence of air	· ® in absence	of air ©	both (and (B)	(D)	none of these
20.	Wider base of buildi	ng foundation	makes bui	lding		
	(A) unsafe		B	safe		
	© unbalanced		©	prone to earth o	quake)
21.	Find the wrong state	ement with resp	ect to the	phenomenon of	fricti	on
	(A) furnitures at our l	home would no	ot be at the	e same place with	out f	riction
	® machine efficiency would always be maximum without friction					
	© without friction walking would have been easier					
	nergy lost due to	o friction is alwa	ays lost an	d cannot be retri	evabl	le
22.	If the displacement between neighborin	_	es of a wa	ave is plotted ag	gainst	time, the distance
	A frequency	B time period	d ©	velocity	(D)	amplitude
23.	If frequency of a sou	ınd wave is 1 Hz	z and wave	elength is 1 m, th	en its	speed is
	(A) 0.1 m/s	B 1 m/s	©	10 m/s	(D)	100 m/s
24.	A mobile phone to wavelength of the tra		_	gnal of frequenc	y 800	MHz. What is the
	(A) 0.18 m	® 0.32 m	©	0.38 m	(D)	0.42 m
25.	V_{air} = speed of sound	d in air	$V_{water} = $	speed of sound i	n wat	er
	V_{steel} = speed of sour	nd in steel	Choose	the correct optio	n froi	m below
	\triangle $V_{air} > V_{water} > V_{stee}$	el B	V_a	$_{\rm ir} = V_{\rm water} > V_{\rm steel}$		
	\bigcirc $V_{air} = V_{water} = V_{stee}$	el ©	V_a	$_{\rm ir}$ < $\rm V_{\rm water}$ < $\rm V_{\rm steel}$		

Chemistry

26.	6. An electric current can generate				
	A heating effect only	lacksquare	chemical effect or	ıly	
	© magnetic effect	(D)	chemical, heating	, m	agnetic effect
27. A glass made container contains some amount of liquid solutio a bulb is fitted. Using which of the following solution, the bulb			-		_
	Sodium chloride solution	lacksquare	Copper sulphate s	solu	ıtion
	© Silver nitrate solution	(D)	Sugar solution in	dilu	ıte water
28.	Among the given substances, which are b	ad	conductors of elec	tric	ity?
	(I) Piece of coal (II) Iron nail		(III) Eraser		
	(A) I, II, III (B) I, II	©	I, III	(II, III
29.	The lightning of electric bulb in a circuit sh	now	rs:		
	Chemical effect of electric current	lacksquare	Heating effect of e	elec	tric current
	© Magnetic effect of electric current	(D)	None of the above)	
30.	During thunderstorms, lightning occurs be	ecai	ise		
	(A) at that time, air acts as a poor conductor	r	0		
	(B) at that time, air acts as a good conductor	or			
	© at that time, temperature changes				
	(1) at that time, pressure changes				
31.	One substance is considered as poor cond	luct	or because		
	(A) it is round in shape				
	B it is black in colour				
	© it can change its temperature on heating	ıg			
	no option is correct				
32.	A tester is used to				
	(A) calculate the volume of a body				
	® calculate the temperature of a body				
	© check the presence of electric current in	n a	body		

② calculate the number of molecules present in a body

- **33.** Before performing the experiments with copper wire, it is rubbed with sand paper. Because
 - Sand paper changes the colour of the copper wire and it can conduct electricity very well
 - Sand paper removes the dirt from the outer part of the wire and it can conduct electricity very well
 - © Sand paper changes the length of the copper wire and it can conduct electricity very well
 - ② A layer of sand gets deposited on the outer surface of the copper wire and it can conduct electricity very well
- **34.** Which is true when LED is connected with battery?
 - The longer lead is connected with negative terminal and shorter lead is connected with positive terminal
 - The shorter lead is connected with negative terminal and longer lead is connected with positive terminal
 - © Both leads are connected with negative terminal
 - Both leads are connected with positive terminal

Question number 35 to 37 are ASSERTION-REASON TYPE QUESTIONS. Read two statements carefully and select the correct option given below.

OPTION A: Assertion and reason both are correct and reason is the correct explanation of assertion

OPTION B: Assertion and reason both are correct and reason is not the correct explanation of assertion

OPTION C: Assertion is correct but reason is wrong

OPTION D: Assertion is wrong but reason is correct

- **35.** Assertion: Aqueous solution of calcium chloride a is a good conductor of electricity
 - Reason: Both calcium cation and chloride anion are responsible for electricity conduction
- **36. Assertion :** When an experiment regarding electrical conductivity is done with vinegar solution then iron made container is not used
 - Reason: Vinegar solution reacts with iron and the experiment cannot be done properly
- **37. Assertion :** At the time of electrolysis of water, dilute acids are used but bases cannot be used

Reason: Electrical conductivity of acidified water is high

Question number 38 to 40 are *CASE BASED QUESTIONS*. Read the passage carefully and select the correct option given below:

Good conductors are those which can spontaneously conduct electricity. Conductors can be solid, liquid and gaseous. On the other hand non-conducting materials cannot conduct electricity and they are termed as insulators. For electricity conduction the first criteria is there must be a circuit. Electrical energy can be converted into mechanical energy, heat energy, chemical energy, etc.

- **38.** In case of ringing of bells in your school the correct option is
 - (A) electrical energy converted into chemical energy
 - ® mechanical energy converted into electrical energy
 - © electrical energy converted into mechanical energy
 - (D) chemical energy converted into mechanical energy
- **39.** Conductors are
 - A solids, gaseous

B gaseous, liquid

© solids and liquids

- (D) solids, liquids and gaseous
- **40.** An example of an insulator is
 - (A) dilute sulphuric solution

B rubber

© copper

- (D) steel
- **41.** Shyam was cooking potato curry on a chulah. To his surprise, he observed that the copper vessel was getting blackened from outside. It may be due to
 - A proper combustion of fuel
- B improper cooking of potato curry
- © improper combustion of fuel
- D burning of copper vessel
- **42.** Which one has the highest calorific value?
 - A Kerosene
- **B** Bio-gas
- © LPG
- Petrol
- 43. A student burns three substances P, Q, R and records the observation in a table

Substance	Observation			
P	Burns quickly producing heat and light			
Q	Burns at room temperature on its own			
R	Burns with evolution of heat, light and sound			

Which option correctly categories the given substances?

All the substances are undergoing rapid combustion

	[7]				
	Substance P undergoing rapid combustion, whereas substance R is un				
	© Substance P and Q are undergoing spois undergoing rapid combustion	nta	neous combustion, whereas substance R		
	© Substance R is undergoing rapid combustion, substance Q undergoing spontaneous combustion, whereas substance R is undergoing explosion				
44.	Which are produced at the outermost zone	e of	a candle flame ?		
	Carbon and water vapour	lacksquare	Carbon dioxide and carbon		
	© Carbon dioxide and water vapour	(D)	Carbon monoxide and water vapour		
45.	Fuel must be heated to it's before it	sta	rts burning		
		lacksquare	ignition temperature		
	© inversion temperature	(D)	combustion temperature		
46.	A magnetic compass is placed very close to Suddenly the power supply to the wire is ju- be				
	(A) the compass will become too hot				
	the glass placed in the compass will cra	ıck			
	© the colour of the needle will change				
	(D) deflection of needle will stop immediate	ely	DIAG		
47.	Which of the following is impact of heating	g ef	fect of current ?		
	Water turns into ice	lacksquare	Copper wire conducts electricity		
	© A bulb glows	(D)	Table salt becomes water soluble		
48.	Circuit is used				
	(a) to check whether heat is generated or n	ot			
	(B) to check whether current is passing or i	not			
	© to check whether sound is generated or	no	t		

only LED

49. Filament is present in

only bulb

© both LED and bulb

none of LED and bulb

 $\ \textcircled{\ \ }$ to check whether colour is produced or not

50. Electrical appliances are not touched with wet hand because

	Electrical appliances will face colour change						
	B Electrical applia	nces will face rusting					
	© Electrical appliances will start to conduct electricity						
	© Electrical applia	nces will start to burn					
•		Mathe	ematics	•			
51.	Find the cost price	of an article which is	sold at ₹1470 at a prof	it $16\frac{2}{3}\%$.			
	(₹1520	® ₹1760	© ₹1260	© ₹1560			
52.	A man bought an ar profit percent is	rticle for ₹1200 and spe	ent ₹200 on its repare.	He sold it for ₹1680. His			
	A 20%	B 25%	© 30%	D 40%			
53.	At what rate per cent per annum will a sum of ₹15,625 amount to ₹21,952 in three years, if the interest is compounded annually?						
	A 12%	B 8%	© 9%	10 %			
54.		mount to ₹12,100 in 2 y pounded annually. The	-	n of compound interest,			
	(₹12000	® ₹6000	© ₹8000				
55.	A polygon has 9 dia	ngonals. How many sid	les does it have?				
	A 9	B 3	© 6	© 8			
56.	If the exterior angle interior angle.	es of a polygon are in t	he ratio of 1 : 2 : 3 : 4 :	5, then find the largest			
	(A) 148°	B 156°	© 254°	150°			
57.	_	teral. Two diagonals A of triangles we have	C and BD intersect ea	ch other at O. Then how			
	A 2	B 4	© 6	© 8			
Asse	rtion Reason based	l Questions (58–59):					

Directions: In this question, a statement of Assertion (A) is followed by a statement of

(a) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of

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assertion (A).

Reason (R). Choose the correct answer out of the following choice.

- (b) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).
- (c) Assertion (A) is true but reason (R) is false.
- (d) Assertion (A) is false but reason (R) is true.
- **58. Assertion (A):** A dealer lists his articles at 20% above the cost price and allow discount of 10%. Then his gain % is 8%.

Reason (R): S.P. = M.P. – discount and discount = S.P. \times discount%

A a

B b

© c

- (D) d
- **59. Assertion (A):** If CP : SP = 10 : 11, then gain% = 10%.

Reason (R): gain% = $\frac{\text{gain}}{\text{CP}} \times 100\%$

A) a

B b

© c

(D) d

Case Study Based Questions (60 - 62):

In the urine culture test of Mr. X, it was observed that the bacterial count was increasing at the rate of 2% per hour. Initially, the count was 50,000 bacteria.



On the basis of the above informations answer the following questions.

- **60.** Find the bacteria at the end of 2 hours.
 - **A** 53030
- **B** 54040
- © 55050
- **⑤** 52020
- **61.** If the bacteria continue to grow at this rate, how long will it take for the bacterial population to double? [given $(1.02)^{35} = 2$]
 - **(A)** 30 hours
- **®** 40 hours
- © 35 hours
- **②** 45 hours
- **62.** If the initial count of bacteria was 500 instead of 50,000 what will be the bacterial population after 24 hours. [Given $(1.02)^{24} = 1.6$]
 - **(A)** 800

- **B** 8000
- © 900

© 9000

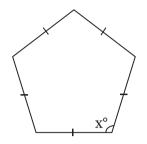
- **63.** Ratio of sum of all the interior angles of n-sided polygon to the sum of all the interior angles of pentagon is 4:1. The value of n is
 - **A** 16

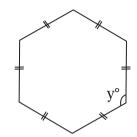
B 10

© 12

D 14

64.



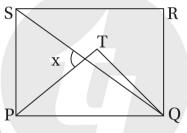


what is the ratio of x : y?

- **A** 9:10
- **B** 7:9

© 4:3

- 3:4
- **65.** In the given figure, PQT is an equilateral triangle and PQRS is a square. Find the value of *x*.



- **(A)** 115°
- **B** 120°

- © 100°
- **(2)** 105°
- **66.** A number increased by $22\frac{1}{2}\%$ gives 98 as result. The number is
 - **A** 45

B 18

© 80

© 81

- **67.** If $a^2 + \sqrt{2}a + 1 = 0$ then find the value of $\frac{a^4 + a^2 + 1}{a^2}$
- \blacksquare $-\sqrt{2}$

© 5

1

- **68.** The value of $(1)^{-1} + \left(\frac{1}{2}\right)^{-1} + \left(\frac{1}{3}\right)^{-1}$ is
 - **♠** −6

B 1

© 6

(D) 0

- **69.** Evaluate $\sqrt[3]{\frac{343 \times 125}{0.064}}$
 - **A** 87.5
- **B** 807.5
- © 8.75

- **0** 0.875
- **70.** The rational number that does not have a reciprocal is
 - **(A)** 0

B 1

© −1

① 12

Assertion Reason based Questions (71–72):

Directions: In this question, a statement of Assertion (A) is followed by a statement of Reason (R). Choose the correct answer out of the following choice.

- (a) Both assertion (A) and reason (R) are true and reason (R) is the correct explanation of assertion (A).
- (b) Both assertion (A) and reason (R) are true but reason (R) is not the correct explanation of assertion (A).
- (c) Assertion (A) is true but reason (R) is false.
- (d) Assertion (A) is false but reason (R) is true.
- **71. Assertion (A):** If the number of diagonals of a polygon is 9, then the number of sides is 6.

Reason (R): Number of Diagonals of a polygon having *n*-sides = $\frac{n(n+1)}{3}$.

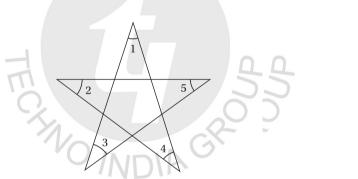
A a

B b

© c

© d

72. Assertion (A):



$$\angle 1 + \angle 2 + \angle 3 + \angle 4 + \angle 5 = 180^{\circ}$$

Reason (R): Sum of three angles of a triangle is 180°.

A a

B b

© c

© d

Case Study Based Questions (73–75):

Shyam Babu has a quadrilateral garden with four angles x, $x + 20^{\circ}$, 80° and 120° and he planted a mango tree in the corner where the angle is the smallest. For sitting, he chose the corner with the largest angle. On the basis of the above informations answer the following questions.

73.	Find <i>x</i> .			
	A 70°	B 80°	© 90°	120°
74.	In which vertex did	he plant the mango tr	·ee?	
	A P	₿ Q	© R	© S
75.	In which vertex did	he make sitting arran	gement?	
	A P	₿ Q	© R	(D) S
•		Biolo	ogy	•
76.	What is one benefit	of reforestation for lo	cal communities?	
	A Increased risk of	floods and landslides	}	
	Enhanced biodiv	versity		
		quality and reduced s	oil erosion	
	Accelerated deser	ertification		
77.	Who uses the inform	nation in the Red Dat	a Book?	
	A Conservationists	and policymakers	B Hunters and po	oachers
	© Industrialists and	d urban developers	① Individuals intended	erested in fashion trends
78.	How is a food web	different from a food	chain?	
	(A) A food web is interconnected	a single linear sequ	ience while a food	l chain is complex and
	B A food web show	vs multiple interconne	ected food chains in	an ecosystem
	© A food web repre	esents energy flow in o	only aquatic ecosyste	ems
	A food chain rep	resents energy flow in	terrestrial ecosyste	ms
79.	Which is NOT a con	sequence of deforesta	ation?	
	A Increased risk of	floods and landslides	B Loss of biodive	rsity
	© Improvement in	ecosystem balance	Disruption of e	cosystems
80.	What are the prima:	ry reasons for animal	migration?	
	A Lack of adaptation	on to their environme	nt	
	Avoiding seasons	al changes		
	© Seeking better liv	ving conditions, breed	ling grounds, or food	d sources
	Resistance to mi	gration instinct		

. Which category in the Red Data Book includes species at the highest risk of extinction?				
(A) Endangered spec	cies	B	Vulnerable specie	es
© Least Concern sp	pecies	(Extinct species	
What distinguishes	an endemic species fr	om	others?	
(A) Its ability to migr	ate long distances	B	Its presence in m	ultiple ecosystems
© Its limited geogra	aphical range	(Its resistance to e	nvironmental changes
What is the primary	focus of a wildlife san	ctu	ary?	
A Promoting defore	estation	B	Conserving anim	al habitats
© Encouraging urb	an development	(D)	Ignoring conserv	ation efforts
rtion-Reason type (Questions (84–85):			
ctions: Read the follo	owing questions and cl	100	se any one of the fo	llowing four responses.
A. Both Assertion a Assertion.	and Reason are true a	nd	Reason is the cor	rect explanation of the
B. Both Assertion as Assertion.	nd Reason are true bu	t Re	eason is not the co	rrect explanation of the
C. Assertion is true	but Reason is false.		5	
D. Assertion is false	but Reason is true.			
Assertion: Wiping o	out of a species can aff	ect	the livelihoods of p	people.
Reason: In the long	run, depletion of biod	live	rsity can threaten	our very existence.
A A	B B	©	С	© D
Assertion: India is o	one of the 19 mega bio	div	ersity countries in	the world.
Reason: India is one	e of the countries with	the	greatest biodivers	sity.
(A) A	B B	©	С	© D
Based Questions (8	86-90):			
here reserve in each	of the earth's 193 biog piosphere reserves und	geog	graphical zones. Th	to establish at least one ne idea was to conserve the Nilgiris, the Gulf of
ohere reserve in each iversity. India has 3 b	of the earth's 193 biogoiosphere reserves und ans.	geog	graphical zones. Th	ne idea was to conserve
	 A Endangered species Least Concern species What distinguishes Its ability to migrical species Its limited geograms What is the primary Promoting deform Encouraging urbortion-Reason type (Cotions: Read the followassertion) A. Both Assertion and Assertion. B. Both Assertion and Assertion. C. Assertion is true D. Assertion: Wiping of Reason: In the long A Assertion: India is one A A Assertion: India is one A A 	 Endangered species Least Concern species What distinguishes an endemic species from the last ability to migrate long distances Its ability to migrate long distances Its limited geographical range What is the primary focus of a wildlife sand the primary focus of a wildlife sand the primary focus of a wildlife sand the following questions (84–85): Concerns Reason type Questions (84–85): Concerns Read the following questions and class and the following questions and class and the following questions are true and Assertion. B. Both Assertion and Reason are true but Assertion. C. Assertion is true but Reason is false. D. Assertion: Wiping out of a species can affine Reason: In the long run, depletion of bioder to the long run, depletion of bioder to the long run in the long	 Endangered species Least Concern species What distinguishes an endemic species from Its ability to migrate long distances Its limited geographical range What is the primary focus of a wildlife sanctus Promoting deforestation Encouraging urban development Encouraging urban development Citions: Read the following questions and chooses A. Both Assertion and Reason are true and Assertion. B. Both Assertion and Reason are true but Reasonis false. D. Assertion is true but Reason is true. Assertion: Wiping out of a species can affect to Reason: In the long run, depletion of biodiver. A ® B Cassertion: India is one of the 19 mega biodiver. Assertion: India is one of the countries with the Reason: India is one of the Countries with the Reason: India is one of the Countries with the Reason: India is one of the Countries with the Reason: India is one of the Countries with the Reason: India is one of the	 Endangered species Least Concern species Extinct species What distinguishes an endemic species from others? Its ability to migrate long distances Its presence in m Its limited geographical range Its resistance to e What is the primary focus of a wildlife sanctuary? Promoting deforestation Conserving anim Encouraging urban development Ignoring conservition-Reason type Questions (84-85): Ctions: Read the following questions and choose any one of the form A. Both Assertion and Reason are true and Reason is the correspondent. B. Both Assertion and Reason are true but Reason is not the correspondent in the long run, depletion of biodiversity can threaten the A. B. B. C. C. Assertion: In the long run, depletion of biodiversity countries in Reason: In dia is one of the countries with the greatest biodiversity. A. B. B. C. C. Assertion: India is one of the countries with the greatest biodiversity. A. B. B. C. C.

87.	A biosphere reserve	consists ofz	zone	es		
	A 1	B 2	©	3	(D)	4
88.	In which zone of the restricted?	e biosphere reserve,	hun	nan activities are	mini	imal or completely
	A Core zone	Buffer zone	©	Transition zone	(D)	All
89.	What is/are the basi	c objective/objectives	s of a	a biosphere reserv	e?	
	♠ To conserve biod	iversity	B	To promote susta	inal	ole development
	© To facilitate resea	arch and education	(D)	All of the above		
90.	Where is the Pachm	arhi Biosphere Reserv	ze lo	cated?		
	A In West Bengal		B	In Madhya Prade	sh	
	© In Haryana		(D)	In Uttar Pradesh		
91.	Which of the follo agriculture?	wing is an advantag	ge c	of using modern	irrig	gation methods in
	♠ Increased soil co	nservation	B	Higher surface ru	ın of	ff
	© Improved water of	conservation	(D)	Reduced crop yie	eld	
92.	For bone health, we	require				
	Dairy products	10	B	Meat		
	© Molluscs	MDIP	0	All of the above		
93.	The problem with an	nimal food products is	s—			
	A They have more p		B	They have more c		•
	© They have more v			They have more f		
94.	What role do decom	posers (microorganis	ms)	play in the ecosys	stem	?
	(A) They release oxyg	gen into the atmosphe	ere			
	They help in the part of	process of photosynth	esis			
	© They break down	dead organisms and	orga	anic matter		
	They fix nitrogen	from the atmosphere				
95.	The disease diseases	s that can be prevente	d by	vaccination are—	-	
	A Measles	B Mumps	©	Rubella	(D)	All

96.	6. The place meant for conservation of biodiversity in their natural habitats are:			
	(i) Zoological garde	en	(ii) Botanical garden	
	(iii) Wildlife sanctua	ry	(iv) National park	
	(i) and (ii)	B (ii) and (iii)	© (iii) and (iv)	(i) and (iv)
97.	Which of the followi	ng features is correct	for a wild life sanctuar	:y?
	(A) It is an artificially	created protected are	ea for animals.	
	It is not a protected.	ed area for threatened	l and endangered wild	l animals.
	© It is meant for con	nservation of only pla	nt species.	
	© Capturing and po	oaching of animals is s	strictly prohibited here	e.
98.	What do black buck,	elephant, python and	d golden cat together i	represent in a forest?
	A Fauna	B Flora	© Ecosystem	Species
99.	The Red Data Book l	keeps a record of all th	ne	
	(i) endemic species	3	(ii) extinct species	
	(iii) endangered plan	nts	(iv) endangered anim	nals
	(i) and (ii)	(ii) and (iii)	© (iii) and (iv)	(i) and (iv)
100.	Regions with more erosion?	trees experience les	s soil erosion. How d	o the trees reduce soi
	(A) The roots of the tr	rees hold the top layer	of the soil firmly.	
	The trees absorb:	more sun rays which i	increases soil density.	
	© The trees store ex	tra food in the soil wh	ich increases the soil	mass.
	① The trees add dea	nd leaves to the soil wh	nich increases the soil	quantity.

Space For Rough Works