

Monthly Progressive Test

Class: VIII (S)

Subject: PCMB



Test Booklet No.: MPT04(S)

Test Date: 2 4 0 7 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 MPT04(S)24072024.
- 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.	Pressure is					
	A force/area	® force × area	©	area / force	none of these	
2.		holes are made in a borels with most speed?	ottle	e full of water leaks	out through the holes	
	(A) jet from the top h	ole	lacksquare	jet from the midd	le hole	
	© jet from the botto	om hole	(D)	all jets travel with	the same speed	
3.	Which substance wi	ll apply more pressure	?			
	(A) water		lacksquare	mercury		
	© air		(D)	all three applies e	equal pressure	
4.	We apply a greater p	ressure when we				
	A stand	B sit	©	sleep	none of these	
5.	Air pressure change	s with altitude becaus	e of	changes in		
	(A) density of the atm	nosphere	B	depth of the atmosphere		
	© both of (A) and (B)		(D)	temperature of the atmosphere		
6.	Dams are	m		5		
	(A) thicker at the top	iQ.	B	thicker at the bott	tom	
	© thicker at the mid	ldle	(D)	none of these		
7.	An instrument that	can measure atmosph	eric	pressure is		
	A barometer	B thermometer	©	odometer	none of these	
8.	1 atm is equivalent t	xo x (m) water column	hei	ght pressure, then	x =	
	A 5	B 8	©	6	D 10	
9.	Pressure exerted by which is accelerating		of	water, placed on t	he floor of an elevator	
	$\triangle > h \rho g$		lacksquare	$< h \rho g$		
	$\bigcirc = h \rho g$		(D)	insufficient inform	nation	

Assertion Reason based Questions (10 - 11):

Directions: In the following questions, a statement of assertion (A) is followed by a statement of reason (R). Mark the correct choice as:

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

) Both assertion (A) a sertion (A).	and re	eason (R) are true	but	reason (R) is not t	he o	correct explanation	
(c)	Assertion (A) is true	e but r	eason (R) is false					
(d)	(d) If both Assertion and Reason are false.							
10.	Assertion: The atm	osphe	eric pressure is so	gre	at but we aren't cr	ush	ed	
	Reason: The atmos blood pressure action	_	_	on	our body from out	side	e is balanced by the	
	A A	B B	3	©	C	(D)	D	
11.	Assertion: To pull enough	the ru	ubber sucker off	the	e wall,the applied	for	ce should be large	
	Reason: When the sucker hook is pressed, the air inside it is forced out, leaving a low pressure area inside the hollow of the sucker hook. The higher atmospheric pressure outside presses down on the hook and make it stick tightly on the wall.							
	A A	® B	3	©	C	(D)	D	
Case	based Questions (l 2 – 13	3):					
Dr	rinking Straw:	-1						
straw the li raise	e air pressure helps which allows the a quid up the straw. W the liquid. We can t nor rise up, no matte	tmosp Vithou cry this	pheric air pressur at air pressure acti s by sucking the l	e a	cting on the surfac on the surface, no	e of	f the liquid to push ount of sucking will	
12.	While sucking the s	traw, ı	mention the subs	tan	ce we remove			
	A air	® v	vater	©	oil	(D)	kerosene	
13.	When sucking fails?	?						
	(A) in presence of ai	r B i	n absence of air	©	both (A) and (B)	(D)	none of these	
14 .	Liquids exert pressu	ıre in						
	(A) downward only	B u	ıpwards only	©	sideways only	(D)	in all directions	
15 .	Density of water is							
	\triangle 1000 kg/m ³			₿	1 g/cc			
	© both (A) and (B) and	e corr	rect	(D)	none of these			

 $\textbf{16.} \ \ A force of 100 \ N is applied on a body of mass 5 kg. If friction is 50\% of the normal force,$

© 5 m/s^2

 $\bigcirc 15 \text{ m/s}^2$

find the body's acceleration. Acceleration due to gravity = 10 m/s^2 .

B 10 m/s^2

(A) 20 m/s^2

17.	•	_	•	2 kg is placed on top of kg feels from the table?
	(A) 9.8 N	B 29.4 N	© 19.6 N	© 39.2 N
18.	Example of contact	force		
	(A) only muscular fo	orce	B only friction force	e
	© both Muscular a	nd Friction force	none of the abov	re
19.	Which one among t	hese statement is true	?	
	$\triangle \mu_{\rm static} > \mu_{\rm sliding}$	B $\mu_{\text{static}} < \mu_{\text{sliding}}$	© $\mu_{\text{static}} = \mu_{\text{sliding}}$	None of these
20.	A force of 10N is act	ing on a body for 2s, tl	ne value of impulse is	(in Ns)
	(A) 10	B 20	© 25	© 15N
21.	Wide straps of scho	ol bag help to carry he	eavy bag comfortably.	Is it true?
	(A) true	B false	© may be true	• we can't say
22.	A sharp knife is mor	re effective in cutting o	bjects than a blunt kr	nife. Is it true?
	A no	B yes	© may be true	• we can't say
23.	The foundation of b	uilding is made wide.	The statement is true	or false?
	A false	B may be true	© true	• we can say
Asse	rtion Reason based	B may be trueQuestions (Q. No. 24	NDIA	
Di	irections: In the fol		statement of assertio	on (A) is followed by a
) Both assertion (A) artion (A).	and reason (R) are tru	e and reason (R) is the	e correct explanation of
-) Both assertion (A) a sertion (A).	and reason (R) are true	e but reason (R) is not	the correct explanation
(c)	Assertion (A) is true	e but reason (R) is false	e.	
(d) Both Assertion and	Reason are false.		
24.	Assertion: Gases ar	nd liquids take the sha	pe of container they a	re placed into.
	Reason: Fluids have	e weight so it can exer	t pressure and do wor	k for us.
	(A) A	(B) B	© C	© D

Case Based Question (Q. No. 25):

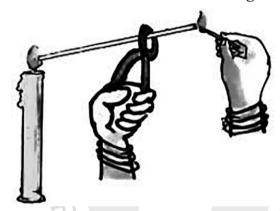
If the foundation is made wider, the area will be large, hence, the pressure exerted on Earth will be small, so the building will be safe.

25.	Wider base of building foundation makes building						
	(A) unsafe			B	safe		
	© unbalanced			(D)	prone to earth qu	ake	
•—			Chemis	str	'V		•
					3		
26.	The condition neces	•		S			
	Presence of a con	nbu	stible substance				
	B Presence of a sup	por	ter of combustion				
	© Attainment of ign	nitio	n temperature of t	he	combustible subst	anc	e
	All of them						
27.	Supporter of combu	stio	n is				
	\bigcirc CO ₂	₿	Nitrogen	©	Oxygen	(D)	Both (A) and (B)
28.	Choose the inflam	nab	le substance		15		
	A Petrol	B	LPG	©	Alcohol	(D)	All of them
29.	The hottest part of the	ne ca	andle flame is	C			
	(A) Innermost zone	lack	The middle zone	©	The outer zone	(D)	None of these
30.	Which of these is a s	olid	pollutant?				
	SPM (suspended)	par	ticulate matter)	B	Carbon monoxide	е	
	© Nitrogen oxides			(D)	Sulphur dioxide		
31.	Which of these fuel	has	the highest calorif	ic v	alue		
	CNG	B	Coal	©	Hydrogen	(D)	Petrol
32.	is yellow in	n col	our and is modera	itely	yhot		
	Middle zone	B	Outermost zone	©	Inner most zone	(D)	None of these
33.	Read the given pass	age	and fill in the blan	ks ł	y selecting an app	rop	riate option.
	Increase in concent of atmosphere of ea very harmful for cro	rationth.	on of (i) in air cau Oxides of (iii) and	ıses 1 (iv	(ii) which results (ii) which results (iii) which results	in ı r an	rise in temperature d form (v) which is

replaced (vi) by which is comparatively a cleaner fuel.

	(i)	(ii)	(iii)	(iv)	(v)	(vi)
A	Sulphur dioxide	Global warming	Carbon	Hydrogen	Hydroxides	Compressed natural gas
B	Methane	Green house effect	Sodium	Potassium	Hydroxides	Liquefied Petroleum gas
©	Carbon dioxide	Green house effect	Sulphur	Nitrogen	Acid rain	Compressed natural gas
©	Hydrogen	Global warming	Carbon	Sulphur	Acid rain	Liquefied petroleum gas

34. Sital, a class 8 student took a glass tube with a pair of tongs and introduced its one end in the dark zone of the candle flame as shown in the figure.



Which of the following is correct regarding this activity?

- The wax vapours rise up the glass tube and burst into flame when burning match stick is brought near it.
- (B) The burning match stick burns the candle wick which is made of highly inflammable substance.
- © Carbon dioxide is released in the innermost dark zone which bursts into flames when burning match stick is brought near it.
- None of these.
- **35.** Match the following columns for the flame of a candle.

Column I (Part)	Column II (Zone)	Column III (Colour)
P. Hottest part	(i) Innermost zone of unburnt wax vapours	(x) Blue
Q. Moderately hot part	(ii) Middle zone of partial combustion	(y) Black
R. Least hot part	(iii) Outermost zone of complete combustion	(z) Yellow

A P-(iii), (y); Q-(i), (z); R-(ii), (x)

B P-(ii), (x); Q-(iii), (y); R-(i), (z)

© P-(iii), (x); Q-(ii), (z); R-(i), (y)

D P-(i), (z); Q-(iii), (x); R-(ii), (y)

Case Based Question (36 - 38):

The substances which have low ignition temperature catches fire readily are known as inflammable substances. When a body comes under fire then some fire extinguisher needed to save the body. Soda - acid fire extinguishers contain sodium bicarbonate and dilute sulphuric acid and after reaction carbon dioxide is formed. Carbon dioxide having high density wraps the burning body and thus it cannot come contact with oxygen. But this method cannot be used to extinguish fire at the oil dumps and oil refineries as excessive heat is generated in these cases. If water is splashed over the burning body then water gets vapourised and that water vapour surrounds the burnt body and oxygen supply gets disconnected instantly. Water also decreases the ignition temperature of the body.

36. Which acid is present inside the soda - acid fire extinguishers?

A Hydrochloric acid

Nitric acid

© Acetic acid

Sulphuric acid

37. Fire fighters use musk to save themselves from

A Heat

B Light

© Spark

Harmful gaseous substances

38. During Gulf war in 1991, upper surface of the Parsian gulf came under fire as huge amount of crude oil was released and was ignited. Extinguishing that fire became too much difficult because

- A It was crude oil, not refined oil
- B The sea water is saline
- © Sea water had various pollutants
- The surface area was very high and huge amount of oxygen came contact with the burnt oil

Assertion Reason based Questions (39 - 40):

Directions: In the following questions, a statement of assertion (A) is followed by a statement of reason (R). Mark the correct choice as:

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

•) Both assertion (A) a sertion (A).	nd reason (R) are true	e bu	t reason (R) is not	the	correct explanation		
(c)	(c) Assertion (A) is true but reason (R) is false.							
(d	Assertion (A) is false	e but reason (R) is tru	e.					
39.	Assertion : LPG is b	etter fuel than diesel						
	Reason: LPG has lower calorific value than diesel							
	A a	® b	©	c	(D)	d		
40.	Assertion: Carbon	dioxide is a harmful g	as					
	Reason: Only carbo	on dioxide cause globa	al w	arming				
	A a	® b	©	c	(d		
41.	PCRA stands for							
	A Petroleum and C	oal Reservation Assoc	ciati	on				
	Petroleum Conse	ervation Research Ass	ocia	tion				
	© Petroleum and C	oal Research Associat	ion					
	None of these			5				
42.	The stepwise stages	for formation of coal		20				
	🕭 Wood - Peat - Lig	nite - Bituminus coal	- Ar	nthracite coal				
	Wood - Peat - Bit	uminus coal - Lignite	- Ar	nthracite coal				
	© Wood - Bituminu	s coal - Peat - Lignite	- Ar	nthracite coal				
	🕲 Wood - Peat - Lig	nite - Anthracite coal	- Bi	tuminus coal				
43.	Producer gas is							
	(A) [Carbon monoxid	le + Nitrogen]	B	[Carbon monoxio	le +	Hydrogen]		
	© [Carbon monoxid	le + Oxygen]	(D)	[Carbon monoxio	le +	Chlorine]		
44.	The slow process of	conversion of dead ve	geta	ations into coal is o	calle	ed		
	Carbon dating	Coalization	©	Carbonization	(None of these		
45.	The hottest zone of a	a candle flame is						
	Non-luminous zo	one	B	Luminous zone				
	© Dark zone		(D)	Blue zone at the h	oase	e of the wick		

- **46.** Which one of the following has the highest calorific value?
 - A Kerosene
- Bio-gas
- © LPG

- Petrol
- **47.** If a person's clothes catch fire, the best way to extinguish the fire is to
 - **A** Throw water on the clothes
 - **B** Use fire extinguisher
 - © Cover the person with a woollen blanket
 - © Cover the person with a polythene sheet

Assertion Reason based Questions (Q. No. 48):

Directions: In the following questions, a statement of assertion (A) is followed by a statement of reason (R). Mark the correct choice as:

- (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.
- 48. Assertion (A): LPG means liquefied petroleum gas

Reason (R): CNG means compressed natural gas

A a

B b

© c

- **©** d
- 49. Match the item of column I with the items of column II

	Column I	Column II			
(a)	LPG	(i)	Non-combustible		
(b)	Iron nails	(ii)	Deforestation		
(c)	Candle	(iii)	Cooking gas		
(d)	Wood	(iv)	Flame		

(ii) a-(iii), b-(i), c-(iv), d-(ii)

® a-(iii), b-(ii), c-(i), d-(iv)

© a-(ii), b-(iii), c-(i), d-(iv)

a-(ii), b-(iii), c-(iv), d-(i)

50. A student burns three substances P, Q and 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.
- ® Substances P undergoing rapid combustion, substance 'Q' undergoing spontaneous combustion, whereas substance 'R' is undergoing explosion.
- © Substance P and Q are undergoing spontaneous combustion, whereas 'R' is undergoing rapid combustion.
- © Substance Risundergoing rapid combustion, substance Q is undergoing spontaneous combustion whereas substance 'P' is undergoing explosion.

Mathematics

51. $(a+b)(a^2+b^2)(a^4+b^4)$ is equal to

(a)
$$\frac{a^8 - b^8}{a - b}$$
 (b) (a - b) (c) $a^{16} - b^{16}$

©
$$a^{16} - b^{16}$$

$$\bigcirc a^8 + b^8$$

52. If $a + \frac{1}{a} = 2$ then $a^2 + \frac{1}{a^2}$ is equal to

$$\triangle a^4 + \frac{1}{a^4}$$

(a)
$$a^4 + \frac{1}{a^4}$$
 (b) $a^4 - \frac{1}{a^4}$

$$a^2 - \frac{1}{a^2}$$

53. $a^2 - 4b^2 = ?$

(a + 2b)
$$(a + 2b)$$

B
$$(a+2b)(a-2b)$$

©
$$(2a+b)(2a-b)$$

(a+2b)
$$(a+2b)$$
 (B) $(a+2b)$ (a-2b) (2a+b) $(2a-b)$ (2a-b) (2a-b)

54. $a^2 - b^2 + ca - cb = ?$

(A - b)
$$(a - b + c)$$
 (B) $(a - b) (a - b - c)$ (C) $(a + b) (a + b + c)$ (D) $(a - b) (a + b + c)$

B
$$(a-b)(a-b-c)$$

©
$$(a+b)(a+b+c)$$

$$\bigcirc$$
 $(a-b)(a+b+c)$

55. A number increased by $22\frac{1}{2}\%$ gives 98 as result. The number is

56.
$$242x^2 - 162b^2 = ?$$

B
$$2(11x-9b)(11x-9b)$$

©
$$2(11x+9b)(11x-9b)$$

$$\bigcirc$$
 $(9x - 11b)(9x + 11b)$

57. If 6 is added to 3 times of a number, it becomes 15. This statement in the form of an equation is

$$\bigcirc 3x + 15 = 6$$

B
$$3x + 6 + 15 = 0$$

©
$$3x + 6 = 15$$

②
$$3x - 6 = 15$$

Assertion Reason based Questions (58 - 59):

Directions: In the following questions, a statement of assertion (A) is followed by a statement of reason (R). Mark the correct choice as:

- (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.

58. Assertion (A):
$$\left(\frac{1}{p} + q\right) \left(\frac{1}{p} - q\right) = \frac{1}{p^2} - \frac{1}{q^2}$$

Reason (R):
$$(a + b)(a - b) = a^2 - b^2$$

Reason (R):
$$(a + b)(a - b) = a^2 - b^2$$

(a) a (b) b
59. Assertion (A): $\frac{x+1}{x+2} = \frac{x+5}{x+7} \Rightarrow x=3$

Reason (R):
$$\frac{a}{b} = \frac{c}{d} \Rightarrow ad = bc$$

Case Study based Questions (60 - 62):

The cost of LPG gas cylinder has increased from ₹440 to ₹930. The weight of the gas cylinder is 14kg (only gas is considered).



On the basis of the above information answer the following questions

		[11]]		
60.	Calculate the chang	e in cost			
	(A) ₹490	® ₹390	© ₹590	(D)	₹690
61.	Calculate the percen	ntage change in cost			
	(A) 111.46%	B 111.36%	© 11.46%	(D)	11.36%
62.	Determine the initia	al cost per kg of gas			
	(A) ₹30.43	® ₹20.43	© ₹31.43	(D)	₹21.43
63.	If $\frac{x}{5} = \frac{x - 32}{9}$ then x	=?			
	♠ −40	B 40	© -45	(D)	45
64.	If $a^2 + \sqrt{2}a + 1 = 0$ the	en find the value of $\frac{a^2}{a^2}$	$\frac{a^4+a^2+1}{a^2}$		
		B $-\sqrt{2}$	© 5	(D)	1
65.	If $x : y = \frac{3}{4} : 1$. By what	at percent is <i>y</i> more th	an <i>x</i> ?		
	(A) $16\frac{2}{3}\%$	(B) $11\frac{1}{9}\%$	© $9\frac{1}{11}\%$	(D)	$33\frac{1}{3}\%$
66.	Value of $4^3 \times 5^3$ is	7/1/2	CR		
	A 20 ³	B 20 ⁶	© 20	(D)	80
67.	$(-2)^{m+1} \times (-2)^4 = (-2)^4$	$)^6 \Rightarrow m =$			
	(A) 0	B 1	© -1	(D)	None of these
68.	Evaluate $\sqrt[3]{\frac{343\times125}{0.064}}$				
	A 87.5	B 807.5	© 8.75	(D)	0.875
69.	Which of the following	ing is a pythogorean tr	riplet?		
	(A) 2,3,4	B 6,8,10	© 5,7,9	(D)	None of these
70.	What value should b	oe given to * so that the	e number 653*47 is div	isit	ole by 11:

© 2

B 6

(A) 1

(D) 9

Assertion Reason based Questions (71 - 72):

Directions: In the following questions, a statement of assertion (A) is followed by a statement of reason (R). Mark the correct choice as:

- (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):
$$x^4 - 16 = (x^2 + 4)(x + 2)(x - 2)$$

Reason (R): $a^2 - b^2 = (a + b)(a - b)$

(A) a

© c

(D) d

72. Assertion (A): $\frac{5}{21}\%$ of $\frac{1}{3}\%$ of 126000 = 1

Reason (R): x% of y = 100 xy **a b**

(D) d

Case study based Questions (73 - 75):

Three prizes are to be distributed in a quiz contest. The value of the second prize is fivesixths of the value of the first prize and the value of the third prize is four-fifths that of the second prize. The total value of three prizes is ₹150.

73. If the value of the first prize be \mathbb{Z} , then find the correct option

©
$$x + \frac{5}{6}x + \frac{2}{3}x = 100$$

74. Value of the first prize is

(A) ₹50

B ₹60

© ₹80

75. Difference of the cost of 2nd prize and third prize is

♠ ₹30

(B) ₹20

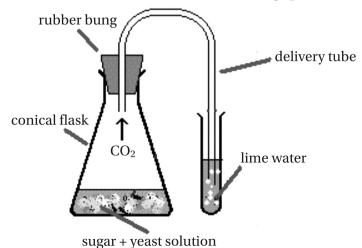
© ₹10

Biology

- **76.** Which of the following organisms is primarily responsible for biological nitrogen fixation?
 - A Rhizobium
- Pseudomonas
- © Escherichia coli
- Bacillus
- 77. Which of the following microorganisms is used in the production of bread and alcohol?
 - A Bacteria
- B Yeast
- © Virus
- Algae
- 78. Which microorganism is primarily responsible for making curd from milk?
 - A Bacteria
- Yeast
- © Virus
- Algae
- 79. Which microorganism causes diseases like typhoid and tuberculosis in humans?
 - A Bacteria
- B Fungi
- © Protozoa
- O Viruses
- 80. What role do decomposers (microorganisms) play in the ecosystem?
 - A They release oxygen into the atmosphere
 - B They help in the process of photosynthesis
 - © They break down dead organisms and organic matter
 - They fix nitrogen from the atmosphere
- 81. Which of the following diseases has been eradicated from most parts of the world?
 - Tuberculosis
- B Malaria
- © Typhoid
- Smallpox
- **82.** Which disease is primarily transmitted by the bite of female *Anopheles* mosquito?
 - A Malaria
- B Dengue fever
- © Chikungunya
- ② Zika virus

Case study based Questions (83 - 87):

Study the diagram given below and answer the following questions.



		[14	J		
83.	Name the process o	ccurring in the conica	l fla	sk.	
	A Oxidation		lacksquare	Fermentation	
	© Budding		(D)	None of these	
84.	What happens to th	e lime water in the tes	t tul	oe—	
	(A) It remains uncha	inged	lacksquare	It turns red	
	© It turns milky		(It moves back into	o the conical flask
85.	Select the correct ed	quation of the reaction	oco	curring in the coni	cal flask.
		hol + Carbon dioxide	B	Sugar Yeast Oxyg	en + Carbon dioxide
	© Sugar Yeast Carb	oon dioxide	(D)	Sugar <u>Yeast</u> Alcol	hol + Oxygen
86.	In which of the follo	owing industries is the	abo	ve process used ex	xtensively?
	A Tanning	Antibiotics	©	Toothpaste	© Brewery
87.	Yeast is a				
	(A) Unicellular fungi		B	Multicellular fung	gi
	© Unicellular algae		(D)	Multicellular alga	ie
Asse	rtion Reason based	Questions (88 - 90):		2	
Di	rections: In the fol	lowing questions, a s Mark the correct choic			n (A) is followed by
) Both assertion (A) artion (A).	and reason (R) are true	e an	d reason (R) is the	e correct explanation o
) Both assertion (A) a sertion (A).	and reason (R) are true	bu'	t reason (R) is not	the correct explanation
(c)	Assertion (A) is true	e but reason (R) is false).		
(d	Assertion (A) is fals	e but reason (R) is true	e.		
88.	Assertion: Algae co	uld be unicellular or n	nult	icellular.	
	Reason: All algae ca	nuse food poisoning.			
89.	Assertion: Viruses a	are acellular.			
	Reason: Viruses mu	ıltiply within suitable l	hos	cells.	
90.		ganisms are found in a			
		nisms can form spores			
91.		ed for placing seeds in	_	_	_
	Cultivation	B Sowing	©	Harvesting	① Irrigation

		[13]			
92.	Which irrigation manner?	ethod delivers water	dir	ectly to the plant	roo	ots in a controlled
	A Flood irrigation		B	Sprinkler irrigation	n	
	© Drip irrigation		(D)	Subsurface irrigat	tion	
93.	Short duration sum	mer crops are called –	_			
	♠ Food crop	B Fodder crop	©	Zaid crop	(D)	Kharif crop
94.	Which is an ideal fo	od?				
	(A) Meat	B Vegetables	©	Milk	(D)	Fish
95.	The term 'poultry' is	s related with				
	A Birds		B	Fishes		
	© Honey bees		(None of these		
Asse	rtion Reason based	Questions (96 - 97):				
		lowing questions, a s Mark the correct choic			n (A	a) is followed by a
	Both assertion (A) artion (A).	and reason (R) are true	e an	d reason (R) is the	coı	rrect explanation of
of ass	sertion (A).	and reason (R) are true		CA	he	correct explanation
(c)	Assertion (A) is true	e but reason (R) is false	e. / [AIC		
		e but reason (R) is true				
96.	Assertion: All fungi	are not multicellular.				
	Reason: Yeast is a m	nulticellular fungi.				
97.	Assertion: Bacteria	is the simplest organis	sm]	known.		
	Reason: Bacterial co	ells have a cell wall arc	oun	d them.		
98.	Pseudomonas is use	ed in which step of the	Nit	rogen Cycle—		
	A Nitrogen fixation	Denitrification	©	Ammonification	(D)	All
99.	The disease diseases	s that can be prevente	d by	vaccination are		
	A Measles	Mumps	©	Rubella	(D)	All
100.	Name the sugar pre	esent in milk.				
	Glucose	B Fructose	©	Lactose	(D)	Sucrose

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