

NAVODAYA VIDYALAYA SAMITI

MID TERM EXAMINATION 2021 – 22

ANSWER KEY

SUB: SCIENCE

CLASS : VII

MA MARKS : 80

SECTION : A

Question Number	ANSWER	Mark Distribution
CBT 1	a) iii) Both i and ii b) iii) Both i and ii c) iv) Deer is the prey d) iv) Saprotrophic nutrition e) i)Producer->Consumer->Decomposer	1 1 1 1 1
CBT 2	a) i) Larva b) iv) Caterpillar c) iv) Reeling d) iii) Silkworm → Egg → Silkworm → Pupa e) It involves killing of silkworms	1 1 1 1 1
CBT 3	a) iii) Carbon dioxide b) iv) Calcium carbonate c) i)Process A & B Chemical change d) iii) Acetic acid e) iv) A new substance is always produced	1 1 1 1 1
CBT 4	a) iii) Either acidic or neutral b) ii) Soap is basic in nature c) i)Hydrochloric acid d) ii) Blue litmus paper turns red e) iv)Methyl orange indicator gives yellow colour in acidic and red colour in basic.	1 1 1 1 1
CBT 5	a) iii) High to low b) i) Lighter c) ii) Low d) iv) Increased wind speed e) ii) It is hotter in and around equator.	1 1 1 1 1
CBT 6	a) ii)Mouth, Oesophagus, Stomach, Small intestine, Large intestine , Rectum b) iv) Juices mix with the food and stomach muscles squeezes it. c) i)Small Intestine	1 1 1

	d)	iv) Salivary glands, Liver & Pancreas	1
	e)	iii) Liver	1
CBT 7	a)	iv) Vertical section of the Earth's surface.	1
	b)	i) Top soil	1
	c)	iii) Top soil	1
	d)	iii) C – Horizon	1
	e)	iii) A - Horizon	1
CBT 8	a)	iii) December	1
	b)	ii) 132 cm	1
	c)	May	1
	d)	August	1
	e)	i) South – West Monsoon	1

SECTION B

Question No	ANSWER	Mark Distribution
9	ii) Sorting	1
10	High speed winds are accompanied by low pressure	1
11	Air exerts pressure	1
12	ii) Gain heat energy and evaporate	1
13	iv) Acid- Curd , Lemon juice Base – Baking soda . Milk of magnesia	1
14	i) Chemical change as the change cannot be reversed	1
15	i) Increases the absorption of food	1
16	i) Sandy soil has the highest rate of percolation as water passes fastest through it	1

SECTION C

Que No	Answer Key Points	Mark Distribution
17	a) Lichens	1
	b) Algae gives food to fungi.	½
	Fungi provides water and shelter to algae.	½
18	a) Night	½
	b) Colder	½

	c) Warmer d) Land to Sea	$\frac{1}{2}$ $\frac{1}{2}$
19	a) No b) Polar region - Snow covered Tropical Region – Hot & Humid	1 $\frac{1}{2}$ $\frac{1}{2}$
20	Ants sting contains formic acid. Baking soda is a base , it neutralizes the acid.	1 1
21	Physical change – Melting of wax Vaporization of liquid wax Chemical Change-Burning of wax to produce heat,light, CO ₂ and water vapour	1 1
22	Any 2 precautions to be taken before cyclone hits a place on the part of a common man.	1+1
23	Conditions essential for rusting – Oxygen and water vapour. Layer of oil does not allow iron to come in contact with air and prevents exposure to oxygen and moisture.	1 1
24	a) Sulphuric acid , Nitric acid , Carbonic acid (Any 2) b) Sulphur dioxide , Nitrogen dioxide, Carbon dioxide (Any 2)	1 1
25	Chapati contains starch. Saliva present in mouth breaks down starch into sugar. This sugar gives the sweet taste.	$\frac{1}{2}$ 1 $\frac{1}{2}$
26	Temperature, Rainfall , Wind speed , Humidity	$\frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2}$
27	NO Because lemon juice is acidic in nature	1 1
28	a) Physical change b) Physical Change c) Chemical change d) Chemical Change	$\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$ $\frac{1}{2}$

SECTION D

Qu No	ANSWER KEY POINTS	MARKS
29	a)Conduction , Convection , Radiation b) It gets heated c) Pin closest to the candle. d) Conduction	$1/2+ 1/2+1/2$ $1/2$ 1 1
30	a) To remove chlorophyll b) Alcohol is highly inflammable c) Blue- black d) Reduced	1 1 1 1