Class: 8

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Register		1 34	100	
Number				

COMMON HALF YEARLY EXAMINATION - 2024-25

Tir	ne Allowed: 2.30 Hours				[Max. Marks : 100
1.	Choose the correct answer.	va i	Academy		10x1= 10
	SI unit of temperature is				
	a) celsius b) fahrenheit	c)	kelvin	d)	ampere
2.	The enharical mirror used as a rear view mirror in	n the	e vehicle is		
	a) concave mirror b) convex mirror	c)	plane mirror	d)	None of the above
3.	Fuse is				
	a) a switch	b)	a wire with low i	resis	tance
	c) a wire with high resistance				
	d) a protective device for breaking an electric c	ircu	it		
4.	The non-metal which conducts electric current is				
	a) carbon b) oxygen	c)	aluminium	a)	sulphur
5.	Aerated water contains				
	a) air b) oxygen	c)	carbon dioxide	d)	nitrogen
6.	Water changes to ice at				0000
	a) 0°C b) 100°C	c)	102°C	d)	98°C
	Common cold in human is caused by				
	a) Plasmodium b) Influenza			d)	Aphthovirus
8.	Binominal Nomenclature was first introduced in th				0000
			1978		1623
9.	cells are specialised cells that can be tr	ans	formed into any l	kind	of cells.
	a) Nerve b) Stem	c)	Heart	d)	Bone
10.	Adam's apple is the growth of the		Continue of the		gerale gras V. A
	a) Pharynx b) Thyroid	c)	larynx	a)	
	Fill in the blanks.	100			10x1=10
11.	Hydraulic lift works under the principle of A calorimeter is a device used to measure the		/	11,00	
12.	A calorimeter is a device used to measure the			15.17	funding the state of the state
	If the thickness of a vibrating string is increased, is the basic material to manufacture urea				
14.	A manufacture used in its collect	•			
	A negatively charged ion is called			5 1 144	
	Chemical formula of calcium oxide is				
	Agar Agar is obtained from algae.		- 100		
	The largest cell is egg of an	4.			
	The place where two bones meet is termed as helps to prevent thyroid gland related			7755	gradina da parana
	State true or false. If false, correct the stater			7.00	
				17.7	10x1=10
	Convection is the process by which the thermal er Water can conduct electricity.	lery	ly nows in solius.		
	If one coulomb of charge is flowing in one minute,	it ic	called 'ampere'		
	Sea water is suitable for irrigation as it contains di				real section of the section of
	Acids are bitter in taste.	330	iveu sails.	1	
	A chemical reaction is a temporary reaction.				and some
	Chicken pox is a communicable disease.			0.01	
	Binomial name should contain more than two word	le .	Of the second	-	
	Human beings are warm blooded in nature.		400		AND AND STREET
2.0	Cardiac muscle is a voluntary muscle.	N.			
	The state of the s				TPR/M.8/Sci/1

10x1=10

15X2=30

IV. Match the following. 31. Barometer

Frequency below 20Hz

32. Dispersion of light Frequency more than 20000 Hz.

33. Ultrasonics Rainbow.

34. Infrasonics Atmospheric pressure 35. Carbon dioxide at 45 to 50 years of age 36. Neutrons Cholesterol and other steroid

37. Anode rays Amino acid 38. Amino acids Goldstein

39. Fatty acids James Chadwick 40. Menopause Fire extinguisher

V. Answer any 15 questions:

41. Name the three scales of temperature.

42. Assertion : Broad straps are used in bags. Reason Broad straps last for long.

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

b) Both assertion and reason are true, but reason is not the correct explanation of assertion.

c) Assertion is true, but reason is false. d) Both assertion and reason are false. 43. Give any two applications of a concave and convex mirror.

44. Define specific heat capacity.

45. What is earthing?

46. A sound wave travels 2000 m in 8 s. What is the velocity of the sound?

47. Downward force: Weight:: Upward force offered by liquid:--

48. How does planting trees help in reducing noise pollution?

49. Tabulate the differences between metals and non-metals.

50. What is the role of a catalyst in a chemical reaction?

51. What is global warming?

52. Balance the following chemical equation.

a) Na + O, \rightarrow Na,O

b) $Ca + N_2 \rightarrow Ca_3N_2$

53. Write any four physical properties of acids

54. Vinu and Priyan take their lunch at school. Vinu eats lemon rice and Priyan eats curd rice. Both lemon rice and curd rice are sour in taste. What is the reason?

55. Write the four types of bacteria, based on their shape.

56. Write any two economic importance of fungi.

57. Define - Metabolism.

58. What are the functions of skeleton in human body?

59. Explain the importance of cleanliness during the time of menstrual cycle in girls.

60. Draw and label the structure of Chlamydomonas.

VI. Answer any 6 questions.

6x5 = 30

61. List out the base quantities with their units.

62. What is reflection? Write a short note on regular and irregular reflection.

63. Explain series and parallel circuit.

64. What are the effects of acid rain? How can we prevent them?

65. Explain the different ways by which water gets polluted.

66. What are the uses of acids?

67. How microorganisms are useful in the field of medicine?

68. Differentiate between inhalation and exhalation. 69. Write a short note on different types of muscles.

70. What are the physical changes that occur in boys and girls during adolescence?

TPR/8/Sci/2