KENDRIYA VIDYALAYA SANGATHAN, RAIPUR REGION
SESSION ENDING EXAM (2024-25)
MARKING SCHEME
CLASS – VIII **SUB: SCIENCE**

S.NO	ANSWERS	Marks
1	(b) Gamete	1
2	(d) Oviparous	1
3	(b) Binary fission	1
4	(a) A	1
5	(c) X chromosomes	1
6	(b) Menopause	1
7	(a) Pitch	1
8	(c) Amplitude	1
9	(b)20Hz-20,000 Hz	1
10	(d) On the passage of an electric current through the conducting solution there Will be no chemical reactions.	1
11	(b) Electroplating	1
12	(b) Seismograph	1
13	(b) Install lightning conductors	1
14	(a) 15^{o}	1
15	(d) both a and c	1
16	Sperm. The tail helps the sperm in the movement.	1+1
17	1. Height &Weight of the body increases 2. Change in voice it becomes hoarse in boys.3. Appearance of hair in the area such as legs, hands, face & underarms4. Sudden increase in sweat & oil production from the glands causing acne & pimples on the face. 5. Development of sex organs (any 4 points).	½+ ½ +½ +½
18	The larynx contains two vocal cords, the air passes through a small gap which is present between them. The lungs force the air into the gap when we speak & this vibrates the vocal cord due to which sound is produced. (Diagram)	1 1
19	No , it is free of salts.	1 + 1
20	a) Because of friction between the hair and the sweater, the sweater gets charged (b)The rod becomes positively charged while the cloth has negative charge.	1+1
21	(a) Metamorphosis. The transformation of the larva into an adult through drastic changes is called metamorphosis. (b) egg , larva(caterpillar), pupa , silkworm(adult).	1+1 1
22	a) Bulb may be fused (b) Electric current in the circuit may be weak (c) Liquid present in the beaker may not be a good conductor of electricity(d) Wires in the circuit may not be loosely connected. (any three)	1+1+1
23	(a) A simple electroscope,it is used to detect whether a body is charged or not (b) When a charged object is touched to the metal disc then an electric charge is transferred to the strips of aluminium foil through it and they diverge from each other because both the strips have similar charge.	½ +½ 2
24	1. Earthquakes damage building, bridges and people2.They can also create landslides, floods and tsunamis, 3. Fire breakouts may happen	1+1+1
25	(a)Correct depiction of endocrine glands, hormones and their function	3+2

<table>
<tr><td></td><td>(b)Correct explanation with flow chart</td><td></td></tr>
<tr><td>26</td><td>(a) No. of oscillations = 60, Time taken = 5 seconds, Frequency = No. of oscillation /total time , 60/5 = 12 Hz , Time period = 1/F = 1/12 = 0.08 s (b) A number of health issues are associated with noise pollution . They are : i) anxiety ii) headache iii) hypertension iv) insomnia(sleeping disorder v) high blood pressure vi)and if continuously exposed to noise pollution it can even lead to partial loss of hearing in some cases.</td><td>½+ ½ +½ +½

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<tr><td>27</td><td>(a)
<table><tr><th></th><th>Regular Reflection</th><th></th><th>Diffused Reflection</th></tr><tr><td>1.</td><td>It takes place on a smooth and shiny surfaces.</td><td>1.</td><td>It takes places on rough surfaces.</td></tr><tr><td>2.</td><td>In this case all rays are parallel after reflection.</td><td>2.</td><td>Reflected rays are in different directions.</td></tr></table>Marks can be allotted for any other point of differentiation

Diffused reflection does not mean failure of law of reflection. The law is still valid for each ray individually but as we observe for a bulk of rays together, the reflection law appears to be failing.
(b) Marks for correct diagram.
OR
a) 1. Cornea 2. Pupil 3. Iris 4. Eye lens 5. Retina 6. Ciliary muscles 7. Optic nerve.

b) i Cones ii) Rods iii) Cones</td><td>2 + 2

1

½ +½ +½ +½ +½+½ +½
½ +½ +½</td></tr>
<tr><td>28</td><td>a)False b) Bud c) T he mode of reproduction in which single parent produce their offsprings. d) Marks for correct diagram in sequence.</td><td>1+1+1+½ +½</td></tr>
<tr><td>29</td><td>a) Kaleidoscope b) 60^{o} c) Multiple reflection d)1. Designers use Kaleidoscope pattern for wall papers, gift wrapping paper , rugs , clothes & jewellery etc. 2) Artists used to create new patterns colours to draw them .3) Often used as toy for children. 4) It is used to get glass pattern. 5) To study geometrical patterns in mathematics. (Any two points)</td><td>1+1+1+1+1</td></tr>
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