

# DAV PUBLIC SCHOOLS, ODISHA ZONE

**NAME OF THE EXAM: PT-II,2023 SUBJECT – SCIENCE, CLASS: VII**

## BLUE PRINT OF QUESTION PAPER

Sl. No	Chapters	VSA (1 Mark)	Assertion Reason (1 mark)	Case-Study (MCQ)	SA-I (2 Marks)	SA-II (3 Marks)	LA (5 Marks)	Total
1	CH-4 Acids, Bases and Salts	2	1	0	2	1	1	15
2	CH-12 Light	3	0	1	1	1	0	12
3	CH-14 Fabric from fibre	3	0	0	1	1	1	13
<b>TOTAL</b>		<b>1x 8=8</b>	<b>1x1=1</b>	<b>4x1=4</b>	<b>2x4=8</b>	<b>3x3=9</b>	<b>5x2=10</b>	<b>40(19)</b>

### Difficulty Level

Good-40%

Remembering

20 Marks

Average-50%

Understanding

Application

16 Marks

Difficult-10%

Evaluating

creating

4 Marks

**DAV PUBLIC SCHOOLS, ODISHA ZONE****NAME OF THE EXAM: PT-II,2023 SUBJECT -SCIENCE****CLASS: VII****QUESTION WISE ANALYSIS**

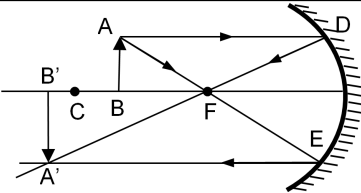
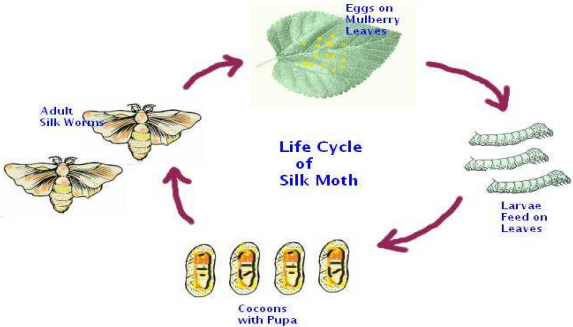
<b>Sl No</b>	<b>Chapters / units</b>	<b>Forms of Questions</b>	<b>(R), (U), (A), (AN)</b>
1	Fabric from fibre	VSA	A
2	Light	VSA	U
3	Fabric from fibre	VSA	R
4	Acids, Base and Salts	VSA	A
5	Light	VSA	R
6	Fabric from fibre	VSA	R
7	Light	VSA	A
8	Acids, Base and Salts	VSA	R
9	Acids, Base and Salts	A/R	AN
10	Light	CBS	A
11	Acids, Base and Salts	SA-I	A
12	Acids, Base and Salts	SA-I	A
13	Light	SA-I	R
14	Fabric from fibre	SA-I	A
15	Acids, Base and Salts	SA-II	AN
16	Light	SA-II	R
17	Fabric from fibre	SA-II	U
18	Acids, Base and Salts	LA	A,U,A
19	Fabric from fibre	LA	R,R,U

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## PT-II,2023 SUBJECT: SCIENCE, CLASS - VII

## MARKING SCHEME

QSTN NO.	Value Points	Split up Marks	PAGE NO. OF TEXT BOOK
1	The longer threads are usually knitted to make sweaters, gloves, caps. The shorter threads are woven to make coats, trousers, etc (any relevant answer)	0.5+0.5	215
2	4m	1	180
3	Rearing of silkworm to get silk.	1	215
4	Ammonia is considered as a base.	1	49
5	Concave	1	182
6	Angora, Pashmina, Shahtoosh ( any two)	1	214
7	No, it is not possible.	1	189
8	Formic acid	1	47
9	c. A is true but R is false.	1	52
10	a. i. Regular reflection	1x4	176
	b. iv. Both concave and convex		182
	c. iv. All of the above		188
	d. i. A stainless steel bowl		182
11	Elders suggested applying paste of baking soda as it is a base it will neutralize the effect and he will get relief from pain.	1	49,50
		1	
12	When we dip blue litmus paper in the given solution,if its changes its colour to red, then the given solution is Acidic.	1	49
	If it changes its red colour to blue, then the given solution is Basic.	1	
13	i. The incident ray, the normal at the point of incidence and the reflected ray, all lie in the same plane.	1	179
	ii. The angle of incidence and the angle of reflection are equal to each other.	1	
14	<ul style="list-style-type: none"> <li>• Wool traps air.</li> <li>• Air is a poor conductor of heat ,it does not allow our body heat to escape.</li> </ul>	1	214
		1	
15	A - Substance is acidic.	1	49
	B- Substance is basic.	1	
	C- Substance is neutral.	1	

16	 <p>Ray diagram with correct position of arrows Nature of image:- Real and inverted Enlarged, Beyond C (any two)</p>	2   1	188
17	<p>Shearing – The fleece of the sheep along with a thin layer of skin is removed from its body.</p> <p>Scouring – The sheared fleece is thoroughly washed with detergent &amp; hot water in tanks to remove grease, dust and dirt. It is done by machines.</p> <p>Sorting- The hairy skin is sent to a factory where hair of different textures are separated or sorted and then the sorted fibres are again scoured and dried.</p>	1  1  1	214,215
18	<p>a)</p> <ul style="list-style-type: none"> <li>• Salts are formed by the reactions between acids and bases.</li> <li>• Most of the salts are readily soluble in water.</li> <li>• Salts do not conduct electricity in their solid state. However, molten salts and solution of salts in water conduct electricity. (any two)</li> </ul> <p>b)</p> <ol style="list-style-type: none"> <li>i. acid- <math>\text{H}_2\text{CO}_3</math>      Base- KOH</li> <li>ii. acid- <math>\text{HNO}_3</math>      Base- <math>\text{NH}_4\text{OH}</math></li> </ol> <p>c) Mineral acid- <math>\text{HCl}, \text{HNO}_3, \text{H}_2\text{SO}_4</math>, etc. Organic acid- Vinegar, Formic acid, Citric acid (any relevant answer)</p>	1+1   1+1  0.5+0.5	51  52,53  46,47
19	<p>a.</p>  <p>Diagram- 1mark,(any four labellings) -2 marks</p> <p>b. It feeds on mulberry leaves for 25 to 30 days and grow in size.</p> <p>c. The liquid hardens when it comes in contact with the air and changes into a fine thread.</p>	1+2   1  1	216