

**HEJJENU PUBLIC SCHOOL, BALLARI**  
**Royal Circle Ballari**

**Subject :- 7th English Science Part 1**

**Class :- 7**

- ★ *Question Paper Preparation*
- ★ *Blue Print*
- ★ *Answer Sheet*
- ★ *Question Analysis*

**Subject Teacher :-**

**Principal :-**

**HEJJENU PUBLIC SCHOOL, BALLARI****Royal Circle Ballari****7th Science Second Formative Assessment 2025-26****Blue Print**

**7 : 7th English Science  
Part 1**

**: KARNATAKA SCHOOL EDUCATION**

**BORAD**

**: 45mnts**

**1. Unit Wise Marks Allocation**

S.No	Lessons	Questions	Marks	Percentage
1	Chapter 4 Acids , Bases And Salts	5	7	35.00%
2	Chapter 5 Physical And Chemical Changes	4	5	25.00%
3	Chapter 6 Pespitation In Organisms	5	8	40.00%
Total		14	20	100%

**2. According to objective Marks Allotment**

S.No	Specific	Questions	Marks	Percentage
1	Knowledge	4	5	25.00%
2	Understanding	6	7	35.00%
3	Expression/skills	2	4	20.00%
4	Appreciation	2	4	20.00%
Total		14	20	100%

**3. Questions Wise Marks Allocation**

S.No	Type of question	Questions	Marks	Percentage
1	Objective Type	7	7	35.00%
2	Short Answer	5	7	35.00%
3	Long Answer	2	6	30.00%
Total		14	20	100%

**4. According to difficulty marks allocation**

S.No	Level of difficulty	Questions	Marks	Percentage
1	Easy	8	13	65%
2	Average	4	5	25%
3	Difficult	2	2	10%
Total		14	20	100%

Time : 45mnts

## Blue Print

Marks :-20

S.No	Target Units	Knowledge						Understanding						Expression/skills						Appreciation						Total Questions						Total Marks
		V	K		D		V	K		D		V	K		D		V	K		D		V	K		D							
		VSA	SA	LA1	LA2	LA3	VSA	SA	LA1	LA2	LA3	VSA	SA	LA1	LA2	LA3	VSA	SA	LA1	LA2	LA3	VSA	SA	LA1	LA2	LA3						
1	Chapter 4 Acids , Bases And Salts	1* (1)					1* (1)						1* (1)	1* (3)			1* (1)					3		1	1			7				
2	Chapter 5 Physical And Chemical Changes	1* (1)	1* (1)				1* (1)	1* (2)														2		2			5					
3	Chapter 6 Pespitation In Organisms		1* (2)				2* (1)	1* (1)												1* (3)		2		2	1		8					
	Total	2 (2)	2 (3)				4 (4)	2 (3)					1 (1)	1 (3)			1 (1)			1 (3)							14	20				

Note:-

**HEJJENU PUBLIC SCHOOL, BALLARI**  
**Royal Circle Ballari**  
**7th Science Second Formative**  
**Assessment 2025-26**

**Subject: 7th English Science Part 1**

**Class: 7**

**Medium: English**

**Marks: 20**

**Total Question: 14**

**Time: 45mnts**

**Exam Date: 2025-08-20**

**Information to be filled by the Student**

Name of the Student: \_\_\_\_\_

Student SATS No:

Signature of the Student: \_\_\_\_\_

**Information to be filled by the Room Invigilator**

School IDSE Code:

School Name: \_\_\_\_\_

Cluster: \_\_\_\_\_ Block: \_\_\_\_\_ District: \_\_\_\_\_

Govt. ☐

Aided ☐

Un-aided ☐

(Put ✓ mark for the applicable information)

Signature of the Room Invigilator: \_\_\_\_\_

**Information to be filled by the evaluator at the time of evation**

Question No	Obtained Marks	Question No	Obtained Marks	Question No	Obtained Marks		
1		11		-		-	
2		12		-		-	
3		13		-		-	
4		14		-		-	
5		-		-		-	
6		-		-		-	
7		-		-		-	
8		-		-		-	
9		-		-		-	
10		-		-		-	
<b>Total marks</b>		<b>Total marks</b>		<b>Total marks</b>			
						<b>Grand Total</b>	

Total marks obtained (in words): \_\_\_\_\_

Signature of the evaluator: \_\_\_\_\_

Signature of the Evaluator2: \_\_\_\_\_

**I. Four choices are given for each of the following questions / incomplete statements. Choose the correct answer and write the complete answer along with its letter of alphabet.** **2x1=2**

**1. Composition of Iron, Carbon, Chromium, and Nickel is :**

- a) Bronze b) Brass  
c) Stainless steel d) German Silver

Ans:

**2. The taste of Base is**

- a) Sour b) bitter  
c) sweet d) salt

Ans:

**II. Fill in the Blanks**

**2x1=2**

**3.** Abundant vitamin in gooseberry is \_\_\_\_\_.

**4.** The acid present in tamarind is \_\_\_\_\_ acid.

**III. Match the Following**

**3x1=3**

PART-A		PART-B	
<b>5</b>	<b>Litmus</b>	<b>a</b>	<b>Yellow indicator</b>
<b>6</b>	<b>Hydroxide</b>	<b>b</b>	<b>Natural indicator</b>
<b>7</b>	<b>Turmeric</b>	<b>c</b>	<b>Base</b>

**IV. Answer the Following**

**1x1=1**

**8.** Describe the process of neutralisation with the help of an example.

Ans:

---

---

**V. Answer the Following**

**2x1=2**

**9.** How is salt formed?

Ans:

---

---

---

**10.** State differences between acids and bases.

Ans:

---

---

---

**VI. Answer the Following**

**2x2=4**

**11.** Write 3 examples of chemical changes.

Ans:

---

---

---

---

---

---

**12.** Describe the process of dissolving salt in water

Ans:

---

---

---

---

---

---

**VII. Answer the Following**

**2x3=6**

**13.** Briefly explain "Acids, Bases, and Indicators."

---

---

---

---

---

---

**14.** Discuss the importance of natural indicators. Name three common ones and their uses.

---

---

---

---

---

---

**HEJJENU PUBLIC SCHOOL, BALLARI, Royal Circle Ballari**  
**7th Science Second Formative Assessment 2025-26**

**Subject: 7th English Science Part 1**

**Class: 7**

**Marks: 20**

**Time: 45mnts**

**I. Four choices are given for each of the following questions / incomplete statements. Choose the correct answer and write the complete answer along with its letter of alphabet.** **2x1=2**

**1. Composition of Iron, Carbon, Chromium, and Nickel is :**

- |                    |                  |
|--------------------|------------------|
| a) Bronze          | b) Brass         |
| c) Stainless steel | d) German Silver |

**2. The taste of Base is**

- |          |           |
|----------|-----------|
| a) Sour  | b) bitter |
| c) sweet | d) salt   |

**II. Fill in the Blanks**

**2x1=2**

**3.** Abundant vitamin in gooseberry is \_\_\_\_\_.

**4.** The acid present in tamarind is \_\_\_\_\_ acid.

**III. Match the Following**

**3x1=3**

PART-A		PART-B	
5	Litmus	a	Yellow indicator
6	Hydroxide	b	Natural indicator
7	Turmeric	c	Base

**IV. Answer the Following**

**1x1=1**

**8.** Describe the process of neutralisation with the help of an example.

**V. Answer the Following**

**2x1=2**

**9.** How is salt formed?

**10.** State differences between acids and bases.

**VI. Answer the Following**

**2x2=4**

**11.** Write 3 examples of chemical changes.



12. Describe the process of dissolving salt in water

## VII. Answer the Following

2x3=6

13. Briefly explain "Acids, Bases, and Indicators."

14. Discuss the importance of natural indicators. Name three common ones and their uses.

### HEJJENU PUBLIC SCHOOL, BALLARI, Royal Circle Ballari

#### 7th Science Second Formative Assessment 2025-26

#### 7 7th English Science Part 1

#### Question Analysis

Sl.No	Object Type	Chapter	Lesson	Question Type	Objective	Marks	Difficulty Level	Time
1	Understanding	Chapter 5 Physical And Chemical Changes	7th English Science Part 1	Objective type	O.T	1	Easy	2 minutes
2	Knowledge	Chapter 4 Acids , Bases And Salts	7th English Science Part 1	Objective type	O.T	1	Easy	2 minutes
3	Appreciation	Chapter 4 Acids , Bases And Salts	7th English Science Part 1	Objective type	O.T	1	Easy	2 minutes
4	Appreciation	Chapter 4 Acids , Bases And Salts	7th English Science Part 1	Objective type	O.T	1	Easy	2 minutes
5	Understanding	Chapter 4 Acids , Bases And Salts	7th English Science Part 1	Objective type	O.T	1	Average	6 minutes
6	Understanding	Chapter 4 Acids , Bases And Salts	7th English Science Part 1	Objective type	O.T	1	Average	6 minutes
7	Understanding	Chapter 4 Acids , Bases And Salts	7th English Science Part 1	Objective type	O.T	1	Average	6 minutes
8	Understanding	Chapter 4 Acids , Bases And Salts	7th English Science Part 1	Short Answer	O.T	1	Average	2 minutes
9	Expression/skills	Chapter 4 Acids , Bases And Salts	7th English Science Part 1	Short Answer	S.A	1	Average	3 minutes
10	Knowledge	Chapter 4 Acids , Bases And Salts	7th English Science Part 1	Short Answer	S.A	1	Easy	2 minutes
11	Understanding	Chapter 5 Physical And Chemical Changes	7th English Science Part 1	Short Answer	A	2	Average	4 minutes
12	Understanding	Chapter 5 Physical And Chemical Changes	7th English Science Part 1	Short Answer	A	2	Average	4 minutes
13	Expression/skills	Chapter 4 Acids , Bases And Salts	7th English Science Part 1	Large Answer	A	3	Difficult	6 minutes
14	Expression/skills	Chapter 4 Acids , Bases And Salts	7th English Science Part 1	Large Answer	A	3	Difficult	6 minutes

**Note\*** O.T- Objective Type, S.A-Short Answer, L.A-Large Answer

Time :45mnts

Answer

7

Marks : 20

I Four choices are given for each of the following questions / incomplete statements. 2x1=2

Choose the correct answer and write the complete answer along with its letter of alphabet.

1 Stainless steel 12 bitter 1II Fill in the Blanks 2x1=23.Vitamin C 14.Tartaric acid 1III Match the Following 3x1=3

Questions	Answers
5. Litmus	→ Natural indicator
6. Hydroxide	→ Base
7. Turmeric	→ Yellow indicator

1IV Answer the Following 1x1=18.Neutralisation is a chemical reaction where an acid and a base react in equivalent amounts to form a salt and water 1V Answer the Following 2x1=29.Salt is formed by the combination of an acid and a base. E.g.:  $\text{HCl} + \text{NaOH} \rightarrow \text{NaCl} + \text{H}_2\text{O}$  110.Acids are substances that give away hydrogen ions ( $\text{H}^+$ ) in water—think of lemon juice or vinegar. They taste sour, can sting or feel sticky, and in a litmus test, they turn blue paper red. Bases are substances that release hydroxide ions ( $\text{OH}^-$ ) in water—like soap or baking soda. They taste bitter, feel slippery, and turn red litmus paper blue. 1VI Answer the Following 2x2=411.Burning paper. Fruit rotting. Soap making. 212.When salt dissolves in water, the salt mixes with the water but is not destroyed. If the salt water is boiled and evaporated, the salt becomes available again. 2VII Answer the Following 2x3=613).Acids: Give  $\text{H}^+$ . E.g.:  $\text{HCl}$ . Bases: Give  $\text{OH}^-$ . E.g.:  $\text{NaOH}$ . Indicators: Show the nature of the solution. E.g.: Litmus. 314).importance: Natural indicators are safe and simple ways to test whether a substance is acidic or basic. Examples: China rose: Turns magenta in acid and green in base. Turmeric: Remains yellow in acid/neutral but turns reddish-brown in base. Litmus: Blue in base, red in acid. 3