

**SUMMATIVE ASSESSMENT-II (2015-16)**  
**BLUE PRINTS OF QUESTION PAPERS**  
**SCIENCE (CODE NO. 86)**  
**(CLASS – IX)**

\* VSA – VERY SHORT ANSWER, SA- SHORT ANSWER, LA- LONG ANSWER

S. NO.	TYOLOGY OF QUESTION	VSA (1 MARK)	SA-I (2 MARK)	SA-II (3 MARKS)	LA (5 MARKS)	TOTAL MARKS
1.	<b>Remembering</b> – (Knowledge based Simple recall questions, to know specific facts, terms, concepts, principles, or theories; Identify, define, or recite, information)	3	-	1	1	11
2.	<b>Understanding</b> – ( <b>Comprehension-</b> to be familiar with meaning and to understand conceptually, interpret, compare, contrast, explain, paraphrase, or interpret information)	-	1	4	1	19
3.	<b>Application</b> (Use abstract information in concrete situation, to apply knowledge to new situations; use given content to interpret a situation, provide an example, or solve a problem)	-	-	4	1	17
4.	<b>High Order Thinking Skills (Analysis &amp; Synthesis-</b> Classify, compare, contrast, or differentiate between different pieces of information; Organize and /or integrate unique pieces of information from a variety of sources)	-	2	-	1	09
5.	<b>Inferential and Evaluative</b> – (Appraise, judge, and/or justify the value or worth of a decision or outcome, or to predict outcomes based on values)	-	-	2+1*	2	19
6.	<b>Total (Theory Based Questions)</b>	$3 \times 1 = 3$	$3 \times 2 = 6$	$12 \times 3 = 36$	$6 \times 5 = 30$	75 (24)
7.	<b>Practical Based Questions (PBQs)</b>	$9 \times 1 = 9$	$3 \times 2 = 6$	-	-	15 (12)
	<b>TOTAL</b>	<b><math>12 \times 1 = 12</math></b>	<b><math>6 \times 2 = 12</math></b>	<b><math>12 \times 3 = 36</math></b>	<b><math>6 \times 5 = 30</math></b>	<b>90 (36)</b>

- Note:**
- The question paper of SA-II will include a section on Open Text Based Assessment (OTBA) of 10 marks. The material for Open Text Based Assessment (OTBA) for SA-II will be from Unit-IV: Our Environment. This unit will be tested through OTB only. The case studies of OTBA for SA-II have been supplied to the students in advance.
  - This material is designed to test the analytical and higher order thinking skills of students.
  - \* One question of 3 marks will be included to assess the values inherent in the texts.

**COURSE STRUCTURE**

UNITS		MARKS
I	Matter-Its Nature and Behaviour	18
II	Organisation in the Living World	26
III	Motion, Force and Work	36
IV	Our Environment	10
	<b>Total</b>	<b>90</b>

**SUMMATIVE ASSESSMENT-II (2015-16)**  
**BLUE PRINTS OF QUESTION PAPERS**  
**SCIENCE (CODE NO. 86)**  
**(CLASS – X)**

\* VSA – VERY SHORT ANSWER, SA- SHORT ANSWER, LA- LONG ANSWER

S. NO.	TYOLOGY OF QUESTION	VSA (1 MARK)	SA-I (2 MARK)	SA-II (3 MARKS)	LA (5 MARKS)	TOTAL MARKS
6.	<b>Remembering – (Knowledge based)</b> Simple recall questions, to know specific facts, terms, concepts, principles, or theories; Identify, define, or recite, information)	3	-	1	1	11
7.	<b>Understanding – (Comprehension-</b> to be familiar with meaning and to understand conceptually, interpret, compare, contrast, explain, paraphrase, or interpret information)	-	1	4	1	19
8.	<b>Application</b> (Use abstract information in concrete situation, to apply knowledge to new situations; use given content to interpret a situation, provide an example, or solve a problem)	-	-	4	1	17
9.	<b>High Order Thinking Skills (Analysis &amp; Synthesis-</b> Classify, compare, contrast, or differentiate between different pieces of information; Organize and /or integrate unique pieces of information from a variety of sources)	-	2	-	1	9
10.	<b>Inferential and Evaluative –</b> (Appraise, judge, and/or justify the value or worth of a decision or outcome, or to predict outcomes based on values)	-	-	2+1*	2	19
6.	<b>Total (Theory Based Questions)</b>	$3 \times 1 = 3$	$3 \times 2 = 6$	$12 \times 3 = 36$	$6 \times 5 = 30$	75 (24)
7.	<b>Practical Based Questions (PBQs)</b>	$9 \times 1 = 9$	$3 \times 2 = 6$	-	-	15 (12)
	<b>TOTAL</b>	<b><math>12 \times 1 = 12</math></b>	<b><math>6 \times 2 = 12</math></b>	<b><math>12 \times 3 = 36</math></b>	<b><math>6 \times 5 = 30</math></b>	<b>90 (36)</b>

**Note:** →\* One question of 3 marks will be included to assess the values inherent in the texts.