

CBSE | DEPARTMENT OF SKILL EDUCATION

FOUNDATION SKILLS FOR SCIENCES (PHARMACEUTICAL & BIOTECHNOLOGY) (SUBJECT CODE - 421)

Blue-print for sample question paper for class IX (Session 2025-2026)

Max. Time: 2 Hours

Max. Marks: 50

PART A – EMPLOYABILITY SKILLS (10 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTION	SHORT ANSWER TYPE QUESTIONS	TOTAL QUESTIONS
		1 MARK EACH	2 MARK EACH	
1	Communication Skills – I	1	1	2
2	Self-Management Skills – I	2	1	3
3	ICT Skills – I	1	1	2
4	Entrepreneurial Skills - I	1	1	2
5	Green Skills - I	1	1	2
TOTAL QUESTIONS		6	5	11
NO. OF QUESTION TO BE ANSWERED		ANY 4	ANY 3	07
TOTAL MARKS		1 X 4 = 4	2 X 3 = 6	10 MARKS

PART B – SUBJECT SPECIFIC SKILLS (40 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANSWER TYPE QUESTION	LONG ANSWER QUESTION	TOTAL QUESTION
		1 MARK EACH	2 MARK EACH	4 MARKS EACH	
1.	About life Science industry and opportunities in pharmaceuticals and Biotechnology	4	1	1	6
2.	Hygiene, cleanings and sanitizations at wash place as well as class and laboratory.	4	1	1	6
3.	Environmental sustainable Best practices.	4	1	1	6
4.	Fundamentals of environment, health, and safety rules and best practices.	4	1	1	6

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTION	SHORT ANSWER TYPE QUESTION	LONG ANSWER QUESTION	TOTAL QUESTION
		1 MARK EACH	2 MARK EACH	4 MARKS EACH	
5.	Data integrity at wash place and hood domination practices.	4	1	-	5
6.	Sensitivity with gender culture and people with disabilities.	4	1	1	6
Total Question		24	6	5	36
No of Question to be answered		20	Ans. 4	Ans. 3	27
Total Marks		1x20 =20	2x4 = 8	4x3 = 12	40 marks

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(SUBJECT CODE – 421)

Sample Question paper for class IX. (Session 2025 – 2026)

Max. Time – 2 Hours

Max. Marks: 50

General Instruction:

- 1 Please read the instruction carefully.
- 2 This question paper consists of 21 questions in two sections: Section A and Section B.
- 3 Section A has objective type question where as section B contains subjective type questions.
- 4 Out of the given $(5+16)=21$ questions, a candidate has to answer $(5+10)=15$ questions in the allotted (maximum) time of 2 hours.
- 5 All questions of a particular section must be attempted in the correct order.
- 6 **Section A: Objective Type Questions (24 marks):**
 - i. This section has 5 questions.
 - ii. Marks allotted are mentioned against each question/part.
 - iii. There is no negative marking.
 - iv. Do as per the instructions given
- 7 **Section B: Subjective type questions (26 marks):**
 - i. This section has 16 questions.
 - ii. A candidate has to do 10 questions.
 - iii. Do as per the instruction given.
 - iv. Marks allotted are mentioned against each question/part.

SECTION A:- OBJECTIVE TYPE QUESTIONS

Q.1	Answer any 4 out of the given 6 questions on employability skills:- (1x4=4 marks)	
i)	How do you receive information on phone? a) Listening b) Speaking c) Reading d) Writing	1
ii)	Mention one skill of self Management?	1
iii)	State one factor that helps to build self confidence.	1
iv)	_____are small personal computers with a touch screen.	1
v)	_____business involves transfer of ownership or tangible products	1
vi)	Mention one man made disruption that causes ecological imbalance.	1

Q.2	Answer any 5 out of the given 6 questions (1x5=5 marks)	
i)	Which drugs can be purchased without a prescription, such as pain relievers, allergy, cough and cold? a) Generic drugs b) Over the counter (OTC) drugs c) Branded drugs d) Biologics	1
ii)	Sterilization is one type of a) Cleaning tools b) Cleaning products c) Cleaning Methods d) Ultrasonic cleaners	1
iii)	Industrial slag is an example of- a) Solid waste b) Liquid waste c) Organic waste d) Recyclable waste	1
iv)	Use of strong cleaning chemicals without proper protection falls under a) Radiation b) Water pollution c) Air pollution d) Chemical Exposure	1
v)	The last letter 'A' in 'ALCOA' refers to a) Accuracy b) Accurate c) Assumption d) Affordable	1
vi)	The unfair treatment of individuals based on their gender falls under- a) Gender Equality b) Gender Culture c) Gender discrimination d) Gender sensitivity	1

Q.3	Answer any 5 out of given 6 questions (1x5=5)	
i)	State one impact of life science industry on human health.	1
ii)	What is Hygiene?	1
iii)	Mention one impact of Environmental changes on human activities.	1
iv)	The full form of EHS is	1
v)	The letter (O) in ALCOA Stands for	1
vi)	State one way to demonstrate sensitivity with gender culture.	1

Q.4	Answer any 5 out of given 6 questions (1x5=5)	
i)	Write one career option in life science sector	1
ii)	What do you mean by cleaning?	1
iii)	Mention one energy management ideas that we can implement in work Station.	1
iv)	 are any conditions or activities that have potential to cause harm to employees	1
v)	What is data integrity?	1
vi)	State one effect of stereotypes on people's lives.	1

Q.5	Answer any 5 out of given 6 questions (1x5=5)	
i)	Define generic drugs	1
ii)	Mention one step to maintain hygiene and cleaning in laboratories	1
iii)	Give one importance of energy conservation	1
iv)	The full form Of PPE stands for	1
v)	What do you mean by attributable in word 'ALCOA'?	1
vi)	Write one tip showing sensitivity to people with disabilities.	1

SECTION B: SUBJECTIVE TYPE QUESTIONS

Answer any 3 out of given 5 questions on Employability Skills: (2x3=6)

Answer each question in 20-30 words:

Q.6.	What are the two disadvantages of written communication?	2
Q.7	What are the components of good personality?	2
Q.8	Write the difference between Assembler and Compiler	2
Q.9	Mention two challenges of Entrepreneurship Development	2
Q.10	Give the importance of Green Economy	2

Answer any 4 out of the given 6 questions in 20-30 words each :(2x4=8)

Q.11	Write two common educational levels and career option in life sciences sector	2
Q.12	Mention two impacts of cleanliness on health, well being and productivity in the workplace	2
Q.13	What does greenery do?	2
Q.14	Give two significances of EHS on daily life	2
Q.15	What are the two tips for Good documentation practices?	2
Q.16	Write two sensitive behaviors that you should show towards person with disability.	2

Answer any 3 out of given 5 questions in 50-80 words each: (4x3=12)

Q.17	Write briefly about the various essential skills for careers in pharmaceuticals and Biotechnology.	4
Q.18	Write a short note on the importance of proper waste management in maintaining cleanliness and preventing hazards.	4
Q.19	Give the importance of biodiversity. Write any two causes of loss of biodiversity	4
Q.20	What do you mean by EHS? Explain the significance of EHS in our daily life.	4
Q.21	Write two effective communication and collaboration with people with disabilities. Mention any two challenging stereotypes and prejudices against people with disabilities.	4