Q.P. Code:06894

[Marks:60]

	2. Attempt all questions.	
2.1		
Q.1	Answer the following – any two:	(12)
a)	Give the attributes of an ideal cleaning agent and describe detergent ingredients and their properties.	(D) (E)
b)	Describe non- GMP factors and QA functions beyond GMP. Discuss the banefits of ISO 2000 quality systems	T. W.
c)	Discuss the benefits of ISO 9000 quality systems. Explain how the cost of quality of medicinal product equates to a contribution to profit.	
d)	explain now the cost of quanty of medicinal product equates to a contribution to profit.	
Q.2	Discuss the following with respect to pharmaceutical industry – any two:	(12)
a)	Types of non-living contaminations.	
b)	Topics for GMP training.	
c)	Measures taken for operator hygiene and health check.	
d)	Types of documentation.	
Q.3	Answer the following – any two:	(12)
a)	What are biocide neutralizers? How are they evaluated for their efficacy?	()
b)	Write a note on- validation of the preservative efficacy test.	
c)	Chemical and physical characteristics of the cosmetic directly affect preservative efficacy and stability –	
-,	Justify	
d)	Discuss the various factors that influence the results of assays of preservative efficacy.	
Q.4	Answer the following – any two:	(12)
a)	Briefly discuss the Major challenges in natural drug discovery product.	
b)	Write a Note on – Homology modeling of proteins in drug discovery.	
c)	Discuss – Application of proteomics in drug discovery.	
d)	Comment on the importance of HTS in drug development.	
Q.5	Do as Directed:	
(a)	Define/ Explain the term – any four	(04)
i.	An implantable device	
ii,c	Chelating agent	
S üi.		
ω	Area cleanliness Class Y	
V.V	/	
.iv		
(4) av	Target validation	
Viii	BLASTP	
7 / \V" . 1 \ 7	KY CAN DECASTA DA DA SA MARCA	

Please check whether you have got the right question paper.

1. **All** questions carry equal marks.

[Time: 2½ Hours]

N.B:

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(n)	Give two examples of – any four	(04
i.	BPCs A A A A A A A A A A A A A A A A A A A	
ii.	Chlorine-releasing sanitizers	
iii.	Types of autoclave	
iv.	Employees who need training	
٧.	Challenge organisms used for preservative efficacy testing	3,97,6
vi.	Organizations that serve as sources for guidelines for preservation efficacy testing of cosmetics	
vii.	Techniques used in protein structure prediction	6) VO V.
viii	. Sequence alignment program	0,75
		×′
(c)	State the objective underlying or the significance of – any two	(04
	Cuitable woulding and things in any against of the Color	
I. ::	Suitable working conditions in any organization	
ii. iii.	Excipients in sterile injections Re-challenge tests of cosmetics	
iv.	2D-PAGE in proteomics	
ıv.	2D-FAGE III proteoniics	