	(5 Hours) (1 otal marks: 75)	
	All questions are compulsory. Figures to right indicate full marks.	
O. I Cho	ose appropriate option for the following multiple choice-based questions.	20
	Q 8 represents guidelines.	01
	a. Quality Risk Management	7
	b. Good Manufacturing Practices	
	c. Lifecycle management	
	d. Pharmaceutical Development	
	ock doors should be equipped with systems that	01
	a. Prevent simultaneous opening of both the doors	
t	o. Allow simultaneous opening of both the doors	
C	c. Prevent simultaneous opening of doors by unauthorized persons	
Ċ	d. Allow simultaneous opening of both the doors by authorized persons	
	owing are tools of QbD except	01
	a. Critical Quality Attributes	
t	o. Process Analytical Technology	
	e. Risk assessment	
	d. Design of Experiments	,
4 As p	per USFDA GLP guidelines, Subpart C is	01
_(G)	a. Equipment	
	b. Facilities	
	c. Records and Reports	
	d. Organization and personnel on organization.	01
	a. Employer	υı
<u> </u>	b. Employees	
	c. Visitors	
	d. Auditors	
	ospective validation is performed using data from minimum consecutive	01
batcl		
a	a. One	
, O t	o. Three	
C C	c. Five	
	d. Ten	
	ning of the equipment is a part of	01
a	a. Periodic maintenance	
Svb	p. Predictive maintenance	
	c. Corrective maintenance	
	d. Curative maintenance	0.4
	SOP's are reviewed after.	01
) (a	a. One year	
	o. Two years	
	c. Three years d. Five years	
	i. Tive years	

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9	The validity of NABL accreditation is for	
	a. Six months	
	b. One year	
	c. Two years	
	d. Three years	
10	Air pressure differentials in a clean room should be checked	01
	a. Daily	
	b. Yearly	
	c. Biannually	
	d. Weekly	
11	Self sealability test is intended for	
	a. Rubber closures of single dose container	01
	b. Rubber closures of multi dose containers	
	c. Plastic closures of single dose containers	
	d. Plastic closures of multidose containers	
12	Minimum number of glass containers of 3 ml nominal capacity used for hydrolytic	01
	resistance test are	
	a. 20 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	
	b. 10 \$ \text	
	c. 05	
	d. 02	
13	is carried out in connection with the introduction of new drug products.	01
4	a. Retrospective validation	
	b. Prospective validation	
	c. Concurrent validation	
	d. Revalidation	
14	Grammage is used to determine the physical dimensions of thematerial.	01
	a. Paper and paperboard	-
	b. Thermosetting plastic	
	c. Glass	
	d. Metal	
15	The efficiency of HEPA filters should beat 0.22micron particle size.	01
A	a. 95.55%	01
	b. 99.99%	
	c. 93.22%	
	d. 90.99%	
16	Cobb test measures the of paper and board	01
10	a. Ink absorbency	VI.
	b. Water absorbency	
	c. Acid absorbency	
	d. Alkali absorbency	
17	Neutral glass is also called as	01
1,	a. Type I glass	O1
	b. Type II glass	
	c. Type III glass	
	d. NP glass	

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18	Which	is the second step in Handling of complaints?	01
	a.	Monthly trend analysis	
	b.	Corrective action	
	c.	Technical investigation	
	d.	Receiving of complaints	
19	The hi	ghest air pressure is maintained in	01
	a.	Clean Room	
	b.	Gowning room	
	c.	Factory Hallway	
	d.	Store room	
20		is a managerial tool.	01
	a.	Quality Control	
		Quality Assurance	
		Production	
	d.	Accreditation	
_		ver any two questions. (Any 2)	20
1		ne QbD. Write a note on tools of QbD. Explain the benefits and process of	10
		9000 registration.	
2		ne GLP. Discuss in brief the protocol for conduct of nonclinical study.	10
3		e a note on handling of returned goods. Discuss the disposal of waste	10
	in ph	armaceutical industry	
		wer any seven questions (Any Seven)	35
1		at the ICH Q series guideline titles. Write in brief about Stability testing w drug substances.	5
2		t the quality control tests for glass containers. Discuss in brief the hydrolytic	5
		tance test.	
3		uss Quality Review and Quality documentation in pharmaceutical industry.	5
4		t is Quality management system? Give the difference between QA & QC.	5
5		e in brief about personal training. Discuss the responsibilities of key	5
		onnel.	
6	, V) -	ne validation. Explain in brief the types of process validation.	5
7		t is recall? Explain in detail the process for handling of complaints.	5
8		uss the process of equipment selection and its maintenance.	5
9	Enlis	at the types of process validation. Explain the process for calibration of	5
	pH n	neter.	

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