Duration: 3 Hrs	3	(8)x	T	otal marks: 75
	tions are compulsory. to right indicate full ma	arks and	tent at of	E EDECT
0.70	46'		46)	700
	propriate option for the guideline includes Ris		-choice-based	questions. 20
<u>-</u>	guideline includes Kis.	K management	SE SE	ST OK
a. Q3		A 40'	70	46)
b. Q9	169,	18	4	E 18
c. Q10	(0)	Set For	(S)X	COT LIGHT
d. Q12	X 01		£	A continue of
	products cannot be man		(1)	Tacinty
	viral product & Anti-ir		it story	18)
, O'	diabetic & Antihyperte	, CT		tiot of
(A) Y	malarial product & An		act 40	2 40
	cillin products & Antique following does not be	•	ity Trilogy?	
,0,	lity Planning	Storig to varan 5 Quan		
	lity Assurance	SE SE	607	at se
λ	lity Control	46, 40		46, 46
	lity improvement	5° 48°	700, QE	18/
	est is specifically used	for testing glass conta	iners used for a	agueous
	reparations.		N. T.	
a. Ligh	nt transmission test	700	46	40
b. Arse	enic test	19 ¹ 19 ¹	St. (8)	X
c. The	rmal Shock test		je jedt	
d. Inte	rnal bursting pressure to	est 4		
5 Cleaning of	the equipment is a par	tof	700	
10 10	rective maintenance	Of Stor	160	
	lictive maintenance		5 T	
	odic maintenance			
v A	ative maintenance	16)		
	nce criteria for waveler notometer is	ngth accuracy in the v	isible range for	calibration
a. ±1	Y X	¥ iot		
b. ± 2:	12			
± 3	\sim (8)	700		
d. ±5		69 th		
de tos se		7		
40				
54270	169,	Page 1 of 4		
18/2 - 18/2	E 18 1			
LOT OF S	VANAVOOEDEOVA	OOEDEOV COAVOOEDEON	ZCOAVOOEDEO	
ED, 40, 40	X0941UUFDFUX6941	00FDF0X694Y00FDF0X	CO94 I UUFDFU	

Paper / Subject Code: 87616 / Quality Assurance

	7	Installation qualification of an equipment verifies that
		a. User requirements are incorporated into equipment design
		b. Equipment operates consistently within operational limit
		c. Equipment shows satisfactory performance over long period.
		d. Equipment is installed and connected to utilities
	8	Recall due to Microbial contamination of injection is an example of recall
		a. Class I
		b. Class II
		c. Class III
		d. Class IV
	9	In "Quality by Design", what does CQA stand for?
		a. Critical Quality Assessment
		b. Critical Quality Attributes
		c. Complex Quality Assessment
		d. Complex Quality Attributes
	10	Facility used for manufacturing of sterile products should be maintained at
	40.	differential pressure.
	Y	a Constant
1034		b. Variable
a A		c. Positive
46	70	d. Negative
\$0,	11	As per USP, the limit of fragments visible to the naked eye in fragmentation test for rubber closures is
£97		a. Not more than 50
	ć	b. Not more than 10
700		c. Not more than 5
3 ¹ 13	3	d. Not more than 1
	12	The OECD stands for
46	12	a. Organization for Environmental Control and Discussion
SE S	70	b. Organization for Economic Cooperation and Development
St. 3	(O)	c. Organization for Environmental Cooperation and Development
		d. Organization for Economic Control and Discussion
400	13 🗸	is a process that demonstrates a particular instrument produces results
18)1	105	within specified limits, as compared to those produced by a traceable standard.
60 ^T	XC	a. Validation
3, 4	5	b. Qualification
		c. Calibration
1004	T.	d. Verification
a de la companya de l	OF Y	
9' 4	542	Page 2 of 4
16)		78, 78, 18,
EOT	00	X694Y00FDF0X694Y00FDF0X694Y00FDF0X694Y00FDF0
	40	7507 T 5001 D1 07507 T 1 001 D1 07507 T 1 001 D1 07507 T 1 001 D1 0

Paper / Subject Code: 87616 / Quality Assurance

	Paper / Subject Code: 87616 / Quality Assurance As per USFDA GLP guidelines, Subpart C is
	Paper / Subject Code: 87616 / Quality Assurance
14	
	a. Facilities b. Equipment
	c. Records and Reports
	d. Test and Control Articles
15	Approval of release of finished product is the responsibility of
	a. Head of Stores
	b. Head of Quality Control
	c. Head of Quality Assurance
16	d. Head of Production
16	is the test in which test piece is folded back and forth until rupture occurs. a. Folding endurance
	b. Tensile strength
	c. Burst Resistance
	d. Tear Strength
17	Records of a nonclinical study should be retained for after termination /
46	discontinuation of the study.
ES,	a. One years
	b. Two years c. Three years
	A Division A
18	Type III glass is also known as a. Soda lime glass b. Borosilicate glass c. Treated Soda lime glass d. Treated borosilicate glass.
25 48	a. Soda lime glass
, SEO,	b. Borosilicate glass
	c. Treated Soda lime glass
Sept de la	d. Treated borosilicate glass.
16) AGNA 19	The efficiency of HEPA filters should beat 0.22-micron particle size.
18)	b. 99,99%
5E 16	c. 93.22%
SET LOT	d. 90.99%
20	Bracketing design for stability testing includes
400	a. Testing samples of all design factors at all time points
18/2	b. Testing samples of extreme design factors at all time points
Elot, Coly	c. Testing samples of all design factors at half time pointsd. Testing samples of extreme design factors at half time points
	the state of the s
400	
169 1051	270 Page 2 of 4
5 34A	Page 3 of 4 X694Y00FDF0X694Y00FDF0X694Y00FDF0
cotton.	WAS ANOTHER WAS ANOTHER TOWN OF THE PARTY OF
D 46	X694Y00FDF0X694Y00FDF0X694Y00FDF0

Paper / Subject Code: 87616 / Quality Assurance

Paper / Subject Code: 87616 / Quality Assurance
The state of the s
Q. II Answer any two questions. (Any 2)
1 Enlist the participants of ICH. Write in brief about photostability testing of drug products.
 Define GLP. What is the role of Quality Assurance Unit in a testing facility? Discuss in brief the hydrolytic resistance test.
What is recall? Define Complaint and Discuss the steps involved in handling of complaints in a pharmaceutical company.
Q. III Answer any seven questions (Any Seven)
What is Quality management System? Give the role of Quality Control and Quality Assurance departments in a Pharmaceutical Industry 5
2 Discuss the QC tests for rubber closures. 5
3 Define SOP. Discuss the general format of SOP.
What is ISO? Discuss its benefits and the process of ISO registration.
5 Explain the process of equipment selection and maintenance in the pharmaceutical manufacturing unit.
State the importance of inventory management. Discuss the Good warehousing practices in detail.
7 Enlist the types of documents maintained in pharmaceutical company. Write in 5
brief about batch formula record.
8 Write a note on maintenance of sterile areas. Illustrate a layout for manufacturing of injectables.
9 Define validation. Explain in brief the types of process validation. 5
4 What is ISO? Discuss its benefits and the process of ISO registration. 5 Explain the process of equipment selection and maintenance in the pharmaceutical manufacturing unit. 6 State the importance of inventory management. Discuss the Good warehousing practices in detail. 7 Enlist the types of documents maintained in pharmaceutical company. Write in brief about batch formula record. 8 Write a note on maintenance of sterile areas. Illustrate a layout for manufacturing of injectables. 9 Define validation. Explain in brief the types of process validation. 5 54270 Page 4 of 4 X694Y00FDF0X694Y00FDF0X694Y00FDF0X694Y00FDF0
Page 4 of 4 X694¥00FDF0X694Y00FDF0X694Y00FDF0X694Y00FDF0