Seat Number	The last of the	5 1-14

W-2022

PANKH-06

## BP-7002-T Industrial Pharmacy-II (747704)

Total Pages: 3]

Time: 3 Hours

Max. Marks : 75

## Instruction to candidates:

- 1 Do not write anything on question paper except Seat number.
- 2 Graph or diagram should be drawn with black ink pen being used for writing paper or black HB pencil.
- 3 Students should note, no supplement will be provided.
- 4 Draw well labelled diagram, wherever necessary.
- 5 Figures to the right indicate full marks.
- 1. (A) Choose the correct answer of the following:

(10)

- a) Which of the following is NOT a stage in product life cycle?
  - i) Scale up
  - ii) Commercialization
  - iii) Technology transfer
  - iv) Product marketing
- b) --- is a process of increasing batch size or applying the same process to different output volumes.
  - i) Preformulation
  - ii) Diffusion
  - iii) Product scale up
  - iv) Bioequivalence
- c) A transfer of technology between sites of two different companies is called -- -
  - i) Inter-company transfer
  - ii) Intra-company transfer
  - iii) Technology transfer protocol
  - iv) None of these
- d) Quality risk management activities are entitled to be undertaken by -- -
  - i) Business development expert
  - ii) Legal expert
  - iii) Marketing and sales expert
  - iv) All of the above

			eement to enter collaborative relationship with outside parties is	
	c)	An agr	License	called
		1)	Managranda of understanding	120
		117	Confidentiality agreement	
		iii)	Legal tax agreement	
		,		
	1)	A prof	ession developed from the desire of governments to protect publing the safety and efficacy of products in different areas is	ic health by
		i)	Pharmacovigilance	
		ii)	Regulatory affairs	
		iii)	Technology transfer	
		iv)	Risk management	
	c)	An	filing is a formal process by which a sponsor requests the a	PDroval c
	6/	testing	g of a drug in human subjects.	101
		i) (i		
		ii)	NDA	
		iii)	ANDA	
		iv)	CTD	
	h	allow	I document that declares a certain manufacturing company is legal red to sell their pharmaceutical product in the country they are product	ly lucing
		i) In	evestigator's brochure (IB)	deing.
		1) 11	linical trial protocol	
		11) C	ertificate of Pharmaceutical Product (COPP)	
		in) C	faster formula record (MFR)	
		N) N	laster formula record (******)	
	i	) QbD	is a part of	
		i) D		
			DRM	
		iii) T	MOT	
		iv) F	FDA	
			per of human volunteers are involved in Phase III clinical studies.	
		i)	1-10	
		ii)	10-100	
		iii)		
		iv)	300-3000	
В	) An	swer the	following:	
				(10)
	b)	Felia.	n different roles of regulatory affairs team.	
	c)	rampt t	ypes of platform technologies	
	d)	Willia	te different stages of technology to a con-	
	e)	Write	TQM? Mention benefits of TQM.	
	٠,	write a	brief note on NABL.	

2.	solve any Two:  a) Write a note on pilot plant scale up considerations for solids.  b) Explain in detail the drafting of clinical trial protocol.  c) Explain: SUPAC guidelines.	(20)		
	solve any Seven:			
3.	a) Write a brief note on OLD	(35)		
	b) Explain in detail tec	(		
	c) Explain in detail the documents related to Technology transfer.  Write a brief note.			
	d) Explain in detail the COPP			
	PI WING G OHE HOPE AN AXIM			
	1) Explain in detail the Quality			
	f) Explain in detail the Quality risk management process. g) Explain different phases of drug development.			
	g) Explain different phases of drug development process. h) What is GLP? Write a brief note on principles and beautiful for the control of th	lled diagram.		
	of the state of the note on principles and the state of the			

h) What is GLP? Write a brief note on principles and benefits of GLP.

Explain with flowchart, the drug approval process for new drugs in India.