



Library
Pharmaceutical Technology
Brainware University
One at the 1200125

BRAINWARE UNIVERSITY

Term End Examination 2024-2025
Programme – B.Pharm-2019/B.Pharm-2020/B.Pharm-2021
Course Name – Industrial Pharmacy II/Industrial Pharmacy II - Theory
Course Code - BP702T
(Semester VII)

Full Marks: 75

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group-A

(Multiple Choice Type Question) 1 x 20=20 1. Choose the correct alternative from the following: (i) Select which of the following is not a scale-up process. a) Laboratory to pilot-scale b) Pilot-scale to industrial-scale c) Industrial to pilot-scale d) Laboratory to industrial-scale (ii) Which one of the following is space requirement for pilot-plant scale up studies? a) Administration area b) Physical testing area d) All of the these c) Storage area (iii) What is multiple of batch size at stage of pilot scale? a) Multiple of 10X b) Multiple of 100X d) None of the these c) Multiple of 1000X (iv) Select the full form of NDA is a) New Drug Application b) New Dose Application c) Novel Drug Application d) Imperial New Dossier (v) Which statement is correct? a) Process with small equipment will not b) In too big equipment will not develop scale develop scale up c) Process with large and small both d) Process with small equipment will develop equipment will not develpe scale up scale up (vi) Installation qualification or IQ, define as. a) A documented verification of the proposed Evidence of all key aspects of the process design of the facilities, systems and equipment and ancillary system installation equipments

 Objective evidence process for the cont limits and action levels in product of all predetermined requirements 	
(vii) Select the correct option which defines q	uality control.
 a) Sampling and documentation c) Sampling, specification, testing, documentation and release procedures (viii) Select the pharmacovigilance is a part of 	
a) ICH E1 guidelines c) ICH E3 guidelines (ix) Select the correct purpose of technology	b) ICH E2 guidelines d) ICH E2 (A-F) guidelines transfer in pharmaceutical industry.
 a) Develop dosage form c) Maintain quality of product (x) Tell the invention idea, technology protoform 	 b) Provide efficiency in process d) All of the these type or scale up product development is a part
 a) Pilot scale up technique c) Analytical method transfer (xi) Identify the correct option which describ 	 b) Commercial batch scale d) Technology transfer bes the procedure of technology transfer.
 a) Scientifical c) Logical (xii) Select the correct full forms of SU & RU in pharmaceutical industry. 	b) Analytical d) Modificational in case of technology transfer in the
 a) Scientific unit & research unit c) Straight unit & round unit (xiii) Select the appropriate term for the identification are available at the SU but are missing from the identification. 	 b) Sending unit & receiving unit d) Solar unit & roster unit tification of critical elements of a process which rom the RU.
a) Gap analysisc) Inter company transfer(xiv) Predict the pilot plant can be used for.	b) Drug master filed) Good manufacturing practices
 a) Evaluating results for laboratory studie c) Shelf life and stabilities studies (xv) Identify the large scale apparatus or a fu 	d) All of these
a) Prototypec) Scale-up plant(xvi) dentify the parameters that are require	 b) Pilot plant d) Production department d to optimize process of blending.
 a) Time of blending c) Size of blender (xvii) Predict at the end of the study, what hap 	
a) The CRF data is compiled and submitte the FDA in the IND	the drug's safety and efficacy
 c) The CRF data is aggregated and analyze assess the drug's safety and efficacy (xviii) Identify for variation approval timeline f 	Regulatory Affairs
is	TOTAL TALAM MARKET STATE TO ST
a) 30- 90 days c) 210 days	b) 150- 180 days d) 120 days
Pharmace: "cal Technol 39" Brainwa e Univer: "Y Barasat "III	Page 2 of 3

(xix) Logical procedure that controls the transfer of any process togethe documentation and professional expertise between manufacture s	
a) Regulation Procedure b) Technology tra c) CAPA d) Technology Mo (xx) Select the full form of MoU.	
a) Memorandum of Understanding b) Memorandum c) Memorandum of Uniformity d) None of these	
Group-B	
(Short Answer Type Questions)	5 x 7=35
 Illustrate the term of the following - DRA,CDSCO,DCGI,DTAB,DCC,CDTL Describe about the different phases of clinical trial. Write a note on investigator's brochure (IB). 	,COPP,GMP,ICH and ISO. (5) (5) (5)
5. Explain the importance of TQM in pharmaceutical industry handling.	
 Discuss the importance of granularity of technology transfer concernir finished products and packaging materials. 	ng API, excipients, (5)
 Explain short note on certificate of pharmaceutical product (COPP). OR 	(5)
Illustrate a short note on approval of new drug in India.	(5)
 Illustrate the term QbD along with its objective and significance. OR 	(5)
Illustrate the function of CDSCO.	(5)
Group-C	
(Long Answer Type Questions)	10 x 2=20
 Explain the principles and entire process of quality risk management of technology of pharmaceutical industry. 	in the process of transfer (10)
10. Explain about out of specification(OOS) and briefly discuss the invest OR	igation on OOS results. (10)
Explain about new drug application along with explain in details stag process in India.	es of drug approval (10)
*** <mark>**</mark> ********************	Library Pharmaceutical Technolog Brainwage University