## SHAMBHUNATH INSTITUTE OF PHARMACY First Sessional Examination 2019-20 B. Pharm. 3rd Year 5<sup>th</sup> Semester Industrial Pharmacy I (BP502T)

### Q.1. Attempt all parts. Each part carries equal marks. (10X1=10)

a). Excipients used in tablet preparation with one example of each.

traipient of tablet Difee mts 10 Disintegrants pisintegrating ager Lubricant / didant / Antiadhorar Organoleptic additive Corating (rii) agents a gents ening agente Sure + agents

b). Difference between capping and lamination.



#### c). Coating material used in tablet preparation.

>	Shellac	1 c
	Zein	Acetate "pitralate (C
>	Hydrox	1 propert cellerose
>	Polyuir	

d). Sizes of hard and soft gelatin capsules.

el sone size and shapes. sonc is quailable in various shape and C D. S - Starty spherical c 1 - t sme) c 1 - t sme) c 1 - sme) (1) 11iptical ++> pear 1117 1.17 (1-25ml) - more cy sindrical 5) special type of portices. (1-10me) 4.)

Size of capsule -> ( 100000g 1 1grn) 9 (13.7me) Bigger size. 0000 15 f smallsize. 00 0.15ml (GSMS) 0 1. 1D(ii)

e). Define suspension and classify it.

a hetergenous biphasic liquid dosage form In which dispensed phase (internal phase) TE(i) phase or dispensio medium ( External phase ) in a continuous trep of or addition of suspending By the (agent).

tuandaaa

Depending upon the concentration of disposing CB> TEMP private suspension the particle alze - > cc) Dependency upon true are with 23 to consid suspension ) athe with > The ( coase auspension ) ----Depending upon electrokinett (1) petiocculated suspension

types -(A) Route of administration -> Pral suspension - (parautamol suspension) O 1E(ii) i) External I tropical suspension - (calamine lotion (1)17 parenter al suspension - ( Pried nisolone Cortison, penichlin)

## f). Define Pellet.

Peilets -> -> IF
Pellets are defined as single unit five flowing
small size discret expressical shaped
Pellets are defined as single unit file flowing small size discret apprenical shaped product which are made up af fine particulate matter along with
-> dimension and size of 500 - 1500 Hm.
-> this can be pupoud by Pelutization
techniques
-> All pallet's are discret and small size

# g). Classify parenterals.

(A)	Depending on volume 19
(B)	pipending route of administrations
( )	Depending type of product

# h). Key features of bacteriostatic water for injection.

(Ciri )	Bacteriostatic water jos intection
	These are sterile bruth and some amount of entimicrobial agents are added to
	They are generally prepared up to some
	Friong with the bacteriostatic agent wated
1 -	It the water content is more thank some
	Because aboue sme prest masse amount of antimicrophiae agent to be added IFTAS more one of it leads to toxim genic and live service in merchan

## i). Bufferants used in parenterals.

exp -	- Phosphate	12 217121
	citrate	apart.
	Acetate	1 61 110
	Glutamate	1 1 1

j). Difference between single and multidose parenterals.

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## Q. 2. Attempt any two parts. (2X5=10)

a). Various methods of tablet coating. Describe any method with diagram.

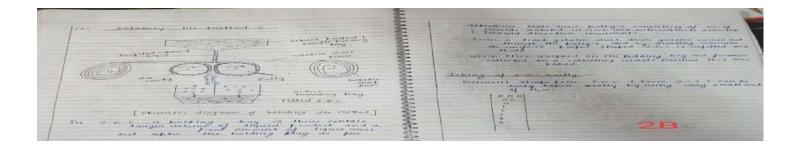


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b). Method of preparation of soft gelatin capsule with diagram.

method

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## c). Wet granulation technique.

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Constitution Const	termation of binder setution termation of course organization sieverg feature through method
	Computer of granding parts

### Q.3. Attempt any two parts. Each part carries equal marks. (1X10=10)

#### a). QC evaluation studies of aspirin tablet.



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### b). Evaluation of elixir official in pharmacopoeia.



7 +	is evaluated by using primites
2	ph value of the syrup in blo (6 to 7)
	Brethod with the use of suitable soluent.
-	- Symp are generally soluble in water