

National Testing Agency

Question Paper Name: Industrial Pharmacy I 10th November 2019 Shift 1
Subject Name: Industrial Pharmacy I
Creation Date: 2019-11-10 13:22:33
Duration: 180
Total Marks: 100
Display Marks: Yes

Industrial Pharmacy I

Group Number : 1
Group Id : 709597228
Group Maximum Duration : 0
Group Minimum Duration : 120
Revisit allowed for view? : No
Revisit allowed for edit? : No
Break time: 0
Group Marks: 100

Industrial Pharmacy-1

Section Id : 709597265
Section Number : 1
Section type : Online
Mandatory or Optional: Mandatory
Number of Questions: 20
Number of Questions to be attempted: 20
Section Marks: 20
Display Number Panel: Yes
Group All Questions: No

Sub-Section Number: 1
Sub-Section Id: 709597360
Question Shuffling Allowed : No

Question Number : 1 Question Id : 70959721626 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Amorphous form shows

1. Good solubility
2. Poor solubility
3. Long range order
4. None of the above

Question Number : 2 Question Id : 70959721627 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Polymorphs differ in

1. Physical properties
2. Chemical properties
3. 1 & 2 both
4. None of the above

Question Number : 3 Question Id : 70959721628 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Gain of electron is

1. Reduction
2. Oxidation
3. Hydrolysis
4. All of the above

Question Number : 4 Question Id : 70959721629 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Molecule that rotate the plane polarized light into the clockwise direction are

1. Laevo
2. Dextro
3. Racemic
4. All of the above

Question Number : 5 Question Id : 70959721630 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Dissolution can be expressed by the equation

1. Modified Noyes-Whitney's
2. Henderson Hasselbach
3. Lambert's law
4. Fourier Law

Question Number : 6 Question Id : 70959721631 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Separation of tablet in two or more distinct layers is called

1. Lamination
2. Mottling
3. Capping
4. Picking

Question Number : 7 Question Id : 70959721632 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which coating increases the weight of tablet significantly

1. Film Coating
2. Sugar Coating
3. Compression coating
4. Resin coating

Question Number : 8 Question Id : 70959721633 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Disintegration test apparatus contain cylindrical tubes

1. 2
2. 4
3. 6
4. 8

Question Number : 9 Question Id : 70959721634 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Cetrimide and benzalkonium chloride are the examples of-

1. Non ionic surfactants
2. Anionic surfactants
3. Cationic surfactants
4. All of the above

Question Number : 10 Question Id : 70959721635 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

The usual volume for intramuscular route of administration is

1. 0.5-2ml
2. 2-20ml
3. 1-4ml
4. 5-10ml

Question Number : 11 Question Id : 70959721636 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Air control is achieved by installing-

1. Preliminary air filter
2. HEPA filters
3. Both 1 and 2
4. None of the above

Question Number : 12 Question Id : 70959721637 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Introduction of seeds or nuclei is the first step of

1. Cryopelletization
2. Solution/suspension layering
3. Powder layering
4. Extrusion-spheronization

Question Number : 13 Question Id : 70959721638 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Aerosol is manufactured by

1. Pressure filling
2. Cold filling
3. 1 & 2 both
4. None of the above

Question Number : 14 Question Id : 70959721639 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Three Phase system is also called

1. Solution system
2. Water based system
3. Suspension system
4. All of the above

Question Number : 15 Question Id : 70959721640 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Particle size distribution in aerosols is evaluated by

1. SEM
2. Sieving
3. Cascade Impactor
4. None of the above

Question Number : 16 Question Id : 70959721641 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Vapor ignition temperature is noted as

1. Flame projection
2. Flash point
3. Delivery rate
4. Minimum fill

Question Number : 17 Question Id : 70959721642 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Cold cream is

1. W/O emulsion
2. O/W emulsion
3. Both 1 and 2
4. None of the above

Question Number : 18 Question Id : 70959721643 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which is **NOT** child resistant technology

1. Push and turn down.
2. Squeeze the sides and turn.
3. Push down the tab and turn
4. Turn clockwise

Question Number : 19 Question Id : 70959721644 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Which is **NOT** the glass test?

1. Water attack test
2. Water vapor permeability
3. Arsenic limit test
4. Light transmission test

Question Number : 20 Question Id : 70959721645 Question Type : MCQ Option Shuffling : No Display Question Number : Yes
Single Line Question Option : No Option Orientation : Vertical

Correct Marks : 1 Wrong Marks : 0

Self sealability is the QC test for

1. Glass closures
2. Plastic closures
3. Rubber closures
4. 1 & 3 both

Industrial Pharmacy-2

Section Id :	709597266
Section Number :	2
Section type :	Offline
Mandatory or Optional:	Mandatory
Number of Questions:	14
Number of Questions to be attempted:	10
Section Marks:	30
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	709597361
Question Shuffling Allowed :	No

Question Number : 21 Question Id : 70959721646 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 3

How many types of solids are there as per internal physical structure? Define each type.

Question Number : 22 Question Id : 70959721647 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 3

. Define monotropic and enantiotropic polymorphic forms.

Question Number : 23 Question Id : 70959721648 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 3

Define intrinsic solubility. What is its importance?

Question Number : 24 Question Id : 70959721649 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 3

Enumerate the various steps of hard gelatin capsule filling.

Question Number : 25 Question Id : 70959721650 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 3

Enumerate the evaluation methods of parenterals dosage form

Question Number : 26 Question Id : 70959721651 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 3

Enumerate the types of material from which capsule shells are made up of.

Question Number : 27 Question Id : 70959721652 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 3

Classify aerosol systems on various basis.

Question Number : 28 Question Id : 70959721653 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 3

Enumerate the methods of characterization of rubber closures.

Question Number : 29 Question Id : 70959721654 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 3

Enumerate evaluation parameters of capsules as finished product.

Question Number : 30 Question Id : 70959721655 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 3

Discuss suspension type of parenteral dosage form in brief.

Question Number : 31 Question Id : 70959721656 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 3

Give the BCS classification of drugs.

Question Number : 32 Question Id : 70959721657 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 3

Enumerate various routes of administration for parenterals.

Question Number : 33 Question Id : 70959721658 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 3

Write names of evaluation parameters of tablet dosage form.

Question Number : 34 Question Id : 70959721659 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 3

Draw well labelled diagram of an in-vitro diffusion cell.

Industrial Pharmacy-3

Section Id :	709597267
Section Number :	3
Section type :	Offline
Mandatory or Optional:	Mandatory
Number of Questions:	10
Number of Questions to be attempted:	5
Section Marks:	50
Display Number Panel:	Yes
Group All Questions:	No

Sub-Section Number:	1
Sub-Section Id:	709597362
Question Shuffling Allowed :	No

Question Number : 35 Question Id : 70959721660 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 10

Define preformulation. Discuss the basis and importance of BCS classification of drugs in detail.

Question Number : 36 Question Id : 70959721661 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 10

Write a note on types of coating of pharmaceutical tablets. Discuss any one.

Question Number : 37 Question Id : 70959721662 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 10

Discuss tablet machine and process of tablet manufacturing.

Question Number : 38 Question Id : 70959721663 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 10

Define pelletization. Write a note on methods of pelletization.

Question Number : 39 Question Id : 70959721664 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 10

Discuss LAL test and Rabbit test of parenterals.

Question Number : 40 Question Id : 70959721665 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 10

Define sterilization. Discuss radiation sterilization.

Question Number : 41 Question Id : 70959721666 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 10

Define cosmetics. Discuss properties, functions, Raw materials and production of cold cream

Question Number : 42 Question Id : 70959721667 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 10

Write a note on hard gelatin capsules.

Question Number : 43 Question Id : 70959721668 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 10

Define dentifrices. Discuss any one dental care product.

Question Number : 44 Question Id : 70959721669 Question Type : SUBJECTIVE Display Question Number : Yes
Correct Marks : 10

Classify packaging materials. Discuss evaluation of any one pharmaceutical packaging material.