

National Testing Agency

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Online Refresher Course In Pharmacy For Higher Education

Group Number : 1
Group Id : 28860711
Group Maximum Duration : 0
Group Minimum Duration : 120
Show Attended Group? : No
Edit Attended Group? : No
Break time: 0
Group Marks: 100
Is this Group for Examiner?: No

Online Refresher Course In Pharmacy For Higher Education

Section Id : 28860711
Section Number : 1
Section type : Online
Mandatory or Optional: Mandatory
Number of Questions: 100
Number of Questions to be attempted: 100
Section Marks: 100

Sub-Section Number: 1
Sub-Section Id: 28860711
Question Shuffling Allowed : Yes

Question Number : 1 Question Id : 2886071001 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Which one of the following statements is true with respect to the angiotensin-converting enzyme inhibitor captopril?

- a) It is an amino-acid derivative b) It is a non-amino acid derivative
c) It is discovered by ligand-based drug design d) It is a non-heterocyclic derivative

Options :

2886073989. 1

2886073990. 2

2886073991. 3

2886073992. 4

Question Number : 2 Question Id : 2886071002 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Which one of the following drug is a prototype HIV-1 protease inhibitor?

- a) Boceprevir
- b) Indinavir
- c) Atazanavir
- d) Saquinavir

Options :

2886073993. 1

2886073994. 2

2886073995. 3

2886073996. 4

Question Number : 3 Question Id : 2886071003 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

The primary physiological role of cyclooxygenase-2 enzyme is to

- a) Produce PGs which protects GIT
- b) Produce PGs which protects liver
- c) Produce PGs which triggers inflammation
- d) Produce molecules which triggers allergy

Options :

2886073997. 1

2886073998. 2

2886073999. 3

2886074000. 4

Question Number : 4 Question Id : 2886071004 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

The major drawback of repeated use of classical NSAIDs is

- a) Hepatotoxicity
- b) GIT toxicity
- c) Nephrotoxicity
- d) Neurotoxicity

Options :

2886074001. 1

2886074002. 2

2886074003. 3

2886074004. 4

Question Number : 5 Question Id : 2886071005 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Drug is absorbed by active transport

- | | |
|----------------|---------------|
| a) Propranolol | b) Ergotamine |
| c) Levodopa | d) Amantidine |

Options :

2886074005. 1

2886074006. 2

2886074007. 3

2886074008. 4

Question Number : 6 Question Id : 2886071006 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Substrate concentration and velocity curve indicates

- | | |
|------------------------------|---------------------|
| a) Michaelis-Menton equation | b) Inverse reaction |
| c) Zero order kinetics | d) All of the above |

Options :

2886074009. 1

2886074010. 2

2886074011. 3

2886074012. 4

Question Number : 7 Question Id : 2886071007 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Which of the following package is not meant for docking studies?

- | | |
|----------|---------|
| a) P-450 | b) C-3b |
| c) C-3a | d) C-2a |

Options :

2886074013. 1

2886074014. 2

2886074015. 3

2886074016. 4

Question Number : 8 Question Id : 2886071008 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

CDSCO is headquartered in:

- | | |
|--------------|--------------|
| a) New Delhi | b) Old Delhi |
| c) Mumbai | d) Calcutta |

Options :

2886074017. 1

2886074018. 2

2886074019. 3

2886074020. 4

Question Number : 9 Question Id : 2886071009 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Sulphanilamide tragedy occurred in:

- | | |
|---------|---------|
| a) 1951 | b) 1947 |
| c) 1937 | d) 1927 |

Options :

2886074021. 1

2886074022. 2

2886074023. 3

2886074024. 4

Question Number : 10 Question Id : 2886071010 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Thalidomide tragedy occurred in:

- | | |
|---------|---------|
| a) 1941 | b) 1951 |
| c) 1961 | d) 1931 |

Options :

2886074025. 1

2886074026. 2

2886074027. 3

2886074028. 4

Question Number : 11 Question Id : 2886071011 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

India is an example of:

- a) Regulated market
- b) Semi regulated market
- c) Non-regulated market
- d) Medium regulated market

Options :

2886074029. 1

2886074030. 2

2886074031. 3

2886074032. 4

Question Number : 12 Question Id : 2886071012 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Which country has highest application fee for filing drug approvals:

- a) India
- b) US
- c) Russia
- d) Japan

Options :

2886074033. 1

2886074034. 2

2886074035. 3

2886074036. 4

Question Number : 13 Question Id : 2886071013 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Which regulator pays lot of attention to aesthetics:

- a) India
- b) Japan
- c) US
- d) Brazil

Options :

2886074037. 1

2886074038. 2

2886074039. 3

2886074040. 4

Question Number : 14 Question Id : 2886071014 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

Which area is regulated by USFDA:

- a) Medical devices
- b) Grocery products
- c) Poultry
- d) Water

Options :

2886074041. 1

2886074042. 2

2886074043. 3

2886074044. 4

Question Number : 15 Question Id : 2886071015 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

Which area is not regulated by USFDA:

- a) Food
- b) Drugs
- c) Tobacco
- d) Poultry

Options :

2886074045. 1

2886074046. 2

2886074047. 3

2886074048. 4

Question Number : 16 Question Id : 2886071016 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

Polymeric nanoparticles for TB are able to deliverintracellular concentrations of drug and so treatment outcomes are.....:

- a) Lower; poor
- b) Higher; good
- c) Higher; poor
- d) Lower; good

Options :

2886074049. 1

2886074050. 2

2886074051. 3

2886074052. 4

Question Number : 17 Question Id : 2886071017 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

Which of the following is a polymeric based nanoparticle:

- a) Liposomes
- b) SLNs
- c) NLCs
- d) PLGA nanoparticles

Options :

2886074053. 1

2886074054. 2

2886074055. 3

2886074056. 4

Question Number : 18 Question Id : 2886071018 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

The cytotoxicity of nanoparticles is due to:

- a) Accumulation in macrophage rich regions in body
- b) Slower elimination
- c) All of the above
- d) None of above

Options :

2886074057. 1

2886074058. 2

2886074059. 3

2886074060. 4

Question Number : 19 Question Id : 2886071019 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

Extreme drug resistant TB occurs when:

- a) Only first line drugs are resistant
- b) Only second line drugs are resistant
- c) Only third line drugs are resistant
- d) Complete resistance to all treatments

Options :

2886074061. 1

2886074062. 2

2886074063. 3

2886074064. 4

Question Number : 20 Question Id : 2886071020 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

If nanoparticles have.....residence time, then they will haveelimination.

- a) Longer; slower
- b) Shorter; slower
- c) Longer; faster
- d) None of the above

Options :

2886074065. 1

2886074066. 2

2886074067. 3

2886074068. 4

Question Number : 21 Question Id : 2886071021 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

In LC-MS, LC represents

- a) Separation capabilities
- b) Detection capabilities
- c) Ionizing capabilities
- d) All of the above

Options :

2886074069. 1

2886074070. 2

2886074071. 3

2886074072. 4

Question Number : 22 Question Id : 2886071022 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

What is dereplication?

- a) Early identification of known compounds in matrix
- b) Late identification of known compounds in matrix
- c) Bulk production of compounds
- d) Micro-extraction technique

Options :

2886074073. 1

2886074074. 2

2886074075. 3

2886074076. 4

Question Number : 23 Question Id : 2886071023 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

In LC-MS, MS represents

a) Separation capabilities

b) Detection capabilities

c) Derivatization capabilities

d) All above

Options :

2886074077. 1

2886074078. 2

2886074079. 3

2886074080. 4

Question Number : 24 Question Id : 2886071024 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

Which is a suitable technique to get mass of several thousand Dalton molecular weight proteins and other biomolecules in pure and intact stage

a) qToF MS

b) MALDI MS

c) TQS MS

d) GCMS

Options :

2886074081. 1

2886074082. 2

2886074083. 3

2886074084. 4

Question Number : 25 Question Id : 2886071025 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

What is nitrogen rule for unit mass spectrum?

- a) Neutral molecules which have an odd nominal mass also possess an odd number of nitrogen
- b) Neutral molecules which have an even nominal mass also possess an odd number of nitrogen
- c) Neutral molecules which have an odd nominal mass also possess an even number of nitrogen
- d) None of the above

Options :

- 2886074085. 1
- 2886074086. 2
- 2886074087. 3
- 2886074088. 4

Question Number : 26 Question Id : 2886071026 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

_____ act by inhibiting the activity of both COX-1 and COX-2 and thereby inhibits the synthesis of prostaglandins and thromboxanes.

- a) Opioids
- b) Anti-depressants
- c) NSAIDs
- d) Anti-epileptics

Options :

- 2886074089. 1
- 2886074090. 2
- 2886074091. 3
- 2886074092. 4

Question Number : 27 Question Id : 2886071027 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Licking of the paws is an outcome of which of the following tests?

- i) Hot-plate test ii) Formalin test iii) Tail flick test
- a) i and ii
- b) ii and iii
- c) i and iii
- d) Only i

Options :

- 2886074093. 1
- 2886074094. 2
- 2886074095. 3
- 2886074096. 4

Question Number : 28 Question Id : 2886071028 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Von-Frey test is used for preclinical assessment of:

- a) Mechanical hyperalgesia
- b) Thermal stimuli
- c) Mechanical allodynia
- d) Electrical stimuli

Options :

2886074097. 1

2886074098. 2

2886074099. 3

2886074100. 4

Question Number : 29 Question Id : 2886071029 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

_____ refers to central pain sensitization to normally non-painful stimulus.

- a) Hyperalgesia
- b) Hypoaesthesia
- c) Allodynia
- d) Hypoalgesia

Options :

2886074101. 1

2886074102. 2

2886074103. 3

2886074104. 4

Question Number : 30 Question Id : 2886071030 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

_____ are large-diameter that are non-nociceptive fibers.

- a) $A\delta$
- b) $A\beta$
- c) Both a & b
- d) $A\alpha$

Options :

2886074105. 1

2886074106. 2

2886074107. 3

2886074108. 4

Question Number : 31 Question Id : 2886071031 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

Which of the following lumbar nerves are ligated in Spinal Nerve Ligation model?

- a) L5, L6
- b) L7
- c) L3, L4
- d) a or b

Options :

2886074109. 1

2886074110. 2

2886074111. 3

2886074112. 4

Question Number : 32 Question Id : 2886071032 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

IASP stands for

- a) Indian Association for the Study of Pain
- b) International Association for the Study of Pain
- c) International Association for the Study of Parkinson's
- d) International Association for understanding the Science of Pain

Options :

2886074113. 1

2886074114. 2

2886074115. 3

2886074116. 4

Question Number : 33 Question Id : 2886071033 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Dosing Cup is provided with the pack of:

- a) Tablets
- b) Oral liquids
- c) Ointments
- d) Injection

Options :

2886074117. 1

2886074118. 2

2886074119. 3

2886074120. 4

Question Number : 34 Question Id : 2886071034 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

Silica gel is an example of:

- a) Light absorbent
- b) Odour absorbent
- c) Moisture absorbent
- d) All the above

Options :

2886074121. 1

2886074122. 2

2886074123. 3

2886074124. 4

Question Number : 35 Question Id : 2886071035 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

Blister pack consists of:

- a) Only backing membrane
- b) Only forming foil
- c) Both a and b
- d) a and b and sticker label

Options :

2886074125. 1

2886074126. 2

2886074127. 3

2886074128. 4

Question Number : 36 Question Id : 2886071036 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

Strip pack consists of:

- a) Aluminium foil
- b) PVC film
- c) PVDC film
- d) None of the above

Options :

2886074129. 1

2886074130. 2

2886074131. 3

2886074132. 4

Question Number : 37 Question Id : 2886071037 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

Most pharmaceutical products are offered as:

- a) Unit dose packs
- b) Multiple dose packs
- c) Both a and b
- d) As per patient need

Options :

2886074133. 1

2886074134. 2

2886074135. 3

2886074136. 4

Question Number : 38 Question Id : 2886071038 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Packaging materials are classified as:

- a) Primary, secondary
- b) Secondary, tertiary
- c) Primary, secondary and tertiary
- d) Bottle, vial, syringe

Options :

2886074137. 1

2886074138. 2

2886074139. 3

2886074140. 4

Question Number : 39 Question Id : 2886071039 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Packaging materials are subject to:

- a) Quality control tests
- b) No tests
- c) Only visual description
- d) Elemental tests

Options :

2886074141. 1

2886074142. 2

2886074143. 3

2886074144. 4

Question Number : 40 Question Id : 2886071040 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Packaging is offered as a specialization in:

- a) M Pharm
- b) B Pharm
- c) Neither
- d) Both a and b

Options :

2886074145. 1

2886074146. 2

2886074147. 3

2886074148. 4

Question Number : 41 Question Id : 2886071041 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

..... animal model is widely used to evaluate anti-Alzheimer's property

- a) Scoplomaine induced
- b) 6-OHDA induced
- c) Forced swim test
- d) Radiation induced

Options :

2886074149. 1

2886074150. 2

2886074151. 3

2886074152. 4

Question Number : 42 Question Id : 2886071042 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Ferulic acid exhibits

- a) Antioxidant property
- b) Metal Chelation
- c) Amyloid beat aggregation modulation
- d) Both A and C

Options :

2886074153. 1

2886074154. 2

2886074155. 3

2886074156. 4

Question Number : 43 Question Id : 2886071043 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Find out the incorrect statement?

- a) Reaction of luciferin with luciferase produce oxyluciferin.
- b) Mg^{2+} is the important element of luciferin and luciferase reaction.
- c) D-Luciferin has 6'-amino functional group.
- d) Carbon dioxide gas release during the reaction of luciferase and luciferin

Options :

2886074169. 1

2886074170. 2

2886074171. 3

2886074172. 4

Question Number : 47 Question Id : 2886071047 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Which of the following statement is incorrect?

- a) Bioluminescence imaging (BLI) is a noninvasive technique.
- b) BLI track the biological event happening in cells.
- c) Light emission is detected by highly sensitive charged coupled device (CCD) cameras that allow the collection of single photons.
- d) Luciferins and luciferases need carbon dioxide and cofactors for the light-emitting reaction to emit light at different wavelengths.

Options :

2886074173. 1

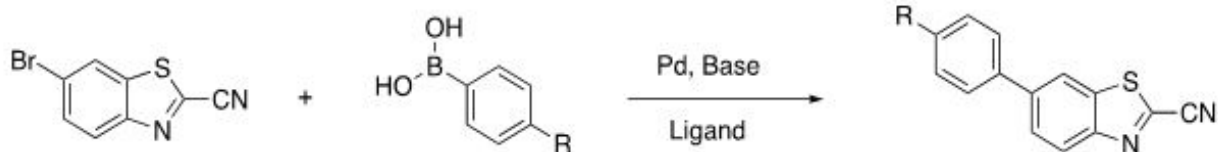
2886074174. 2

2886074175. 3

2886074176. 4

Question Number : 48 Question Id : 2886071048 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Following is the example of which name reaction?



- a) Suzuki coupling
- b) Buchwald Coupling
- c) Wittig reaction
- d) Cannizaro reaction

Options :

2886074177. 1

2886074178. 2

2886074179. 3

2886074180. 4

Question Number : 49 Question Id : 2886071049 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Which of the following colour has longer wavelength?

- a) Blue
- b) Yellow
- c) Green
- d) Red

Options :

2886074181. 1

2886074182. 2

2886074183. 3

2886074184. 4

Question Number : 50 Question Id : 2886071050 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Light emission intensity is reduced by a factor of.....by each cm of tissue depth?

- a) 5
- b) 10
- c) 25
- d) 100

Options :

2886074185. 1

2886074186. 2

2886074187. 3

2886074188. 4

Question Number : 51 Question Id : 2886071051 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

c-Fos protein is a biological marker for detection of _____.

- a) Metabolic disorders
- b) Neurological disorders
- c) Genetic disorders
- d) Respiratory disorders

Options :

2886074189. 1

2886074190. 2

2886074191. 3

2886074192. 4

Question Number : 52 Question Id : 2886071052 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Kainic acid may increase the expression of _____?

- a) c-Fos protein
- b) B-Raf protein
- c) EGFR protein
- d) Both A and B

Options :

2886074193. 1

2886074194. 2

2886074195. 3

2886074196. 4

Question Number : 53 Question Id : 2886071053 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Which cells of the dentate gyrus expresses excessive c-Fos following seizure?

- a) Grannular cells
- b) Hillar cells
- c) Both A & B
- d) None of the above

Options :

2886074197. 1

2886074198. 2

2886074199. 3

2886074200. 4

Question Number : 54 Question Id : 2886071054 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

The conversion of RGB images into 8-bit changes the brown colored c-Fos protein into _____ color.

- a) Black
- b) Red
- c) Yellow
- d) Grey

Options :

2886074201. 1

2886074202. 2

2886074203. 3

2886074204. 4

Question Number : 55 Question Id : 2886071055 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

The image threshold is adjusted for all images on ImageJ software to normalize the effect of

- _____.
- a) Edge of the image
 - b) Sharpness
 - c) Background
 - d) None of the above

Options :

2886074205. 1

2886074206. 2

2886074207. 3

2886074208. 4

Question Number : 56 Question Id : 2886071056 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

What is a ligand?

- a) Small molecule
- b) Peptide
- c) Nucleic acid
- d) All of the above

Options :

2886074209. 1

2886074210. 2

2886074211. 3

2886074212. 4

Question Number : 57 Question Id : 2886071057 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

How do we define force in the molecular dynamics simulation?

- a) Using force fields
- b) Using integrator
- c) Both a and b
- d) None of the above

Options :

2886074213. 1

2886074214. 2

2886074215. 3

2886074216. 4

Question Number : 58 Question Id : 2886071058 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Which of the following technique is cost effective while studying protein-ligand interaction?

- a) Isothermal Titration Calorimetry b) Differential Scanning Fluorimetry
c) Nuclear Magnetic Resonance Spectroscopy d) X-ray crystallography

Options :

2886074217. 1

2886074218. 2

2886074219. 3

2886074220. 4

Question Number : 59 Question Id : 2886071059 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Suitable organic solvent for solvent evaporation method -

- a) Acetone b) Water
c) Dichloromethane d) Ethanol

Options :

2886074221. 1

2886074222. 2

2886074223. 3

2886074224. 4

Question Number : 60 Question Id : 2886071060 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

What is melting point in Differential Scanning Fluorimetry while studying protein-ligand interaction?

- a) When protein starts to aggregate after complete unfolding
- b) When protein starts to unfold
- c) When protein starts to degrade
- d) All of the above

Options :

2886074225. 1

2886074226. 2

2886074227. 3

2886074228. 4

Question Number : 61 Question Id : 2886071061 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Polyethylene glycol (PEG) used in ____ of nanomedicine.

- a) Hydrophobic coating
- b) Surface coating
- c) Targeting ligand
- d) Inorganic coating

Options :

2886074229. 1

2886074230. 2

2886074231. 3

2886074232. 4

Question Number : 62 Question Id : 2886071062 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Popular method for in-vitro drug release for nanoparticles –

- a) Simple diffusion method
- b) Nanoprecipitation method
- c) Solvent evaporation method
- d) Dialysis bag diffusion method

Options :

2886074233. 1

2886074234. 2

2886074235. 3

2886074236. 4

Question Number : 63 Question Id : 2886071063 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Rapid release of drug from nanoparticles are observed due to –

- a) Surface bound drug
- b) Poor entrapment
- c) Higher entrapment
- d) Erosion of nanoparticles

Options :

2886074237. 1

2886074238. 2

2886074239. 3

2886074240. 4

Question Number : 64 Question Id : 2886071064 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Unique advantage observed from nanomedicine is –

- a) Rapid release
- b) Slow release
- c) Prolonged release
- d) Intracellular release

Options :

2886074241. 1

2886074242. 2

2886074243. 3

2886074244. 4

Question Number : 65 Question Id : 2886071065 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Particle size analysis is done by the principle of –

- a) Fluorimetry
- b) Flurimetry
- c) Laser light scattering
- d) Fluidics

Options :

2886074245. 1

2886074246. 2

2886074247. 3

2886074248. 4

Question Number : 66 Question Id : 2886071066 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Active targeting of nanomedicine can improve the therapy of –

- a) Cancer
- b) Ulcer
- c) Asthma
- d) Migraine

Options :

2886074249. 1

2886074250. 2

2886074251. 3

2886074252. 4

Question Number : 67 Question Id : 2886071067 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

EOP of a highly water soluble drug must contain following in the core of the tablet-

- a) Sodium lauryl sulphate
- b) Polyethylene oxide
- c) Sodium Chloride
- d) PEG

Options :

2886074253. 1

2886074254. 2

2886074255. 3

2886074256. 4

Question Number : 68 Question Id : 2886071068 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Most of the drug in Osmotic System is released by–

- a) First Order kinetics
- b) Higuchi Kinetics
- c) Zero Order Kinetics
- d) None of the above

Options :

2886074257. 1

2886074258. 2

2886074259. 3

2886074260. 4

Question Number : 69 Question Id : 2886071069 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

How does high thickness of semi permeable coating membrane influence drug release from osmotic tablet–

- a) Results in high drug release rate
- b) Results in initial delay in drug release
- c) Results in first order drug release
- d) Results in perfect linear drug release from beginning

Options :

2886074261. 1

2886074262. 2

2886074263. 3

2886074264. 4

Question Number : 70 Question Id : 2886071070 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

By dissolving some amount of Sodium chloride in *in-vitro* release medium, drug release from an EOP will –

- a) Decrease
- b) Increase
- c) Have no effect
- d) Not release till first two hours

Options :

2886074265. 1

2886074266. 2

2886074267. 3

2886074268. 4

Question Number : 71 Question Id : 2886071071 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Gastroretentive osmotic tablet has –

- a) Only CA coating
- b) CA plus CAP coating
- c) CA plus HPMC coating
- d) CA plus cellulose acetate coating

Options :

2886074269. 1

2886074270. 2

2886074271. 3

2886074272. 4

Question Number : 72 Question Id : 2886071072 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Father of pharmacy of USA is:

- | | |
|--------------------|-----------------|
| a) M L Schroff | b) S N Sharma |
| c) William Procter | d) Bill Procter |

Options :

2886074273. 1

2886074274. 2

2886074275. 3

2886074276. 4

Question Number : 73 Question Id : 2886071073 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

List of approved products in US market are available in:

- | | |
|----------------|-------------------|
| a) Blue book | b) Drugs@fda book |
| c) Orange Book | d) Red Book |

Options :

2886074277. 1

2886074278. 2

2886074279. 3

2886074280. 4

Question Number : 74 Question Id : 2886071074 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Which of the following is not used in the first line of treatment of Tuberculosis:

- | | |
|---------------|-----------------|
| a) Ethambutol | b) Pyrazinamide |
| c) Isoniazid | d) Ethionamide |

Options :

2886074281. 1

2886074282. 2

2886074283. 3

2886074284. 4

Question Number : 75 Question Id : 2886071075 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Nanoparticles are defined as particles with a mean diameter in the range of:

- a) 1-1000 nm
- b) 1-1000 μm
- c) 1-1000 mm
- d) 1-1000 fm

Options :

2886074285. 1

2886074286. 2

2886074287. 3

2886074288. 4

Question Number : 76 Question Id : 2886071076 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Most abundant ion peak in mass spectra is-----

- a) Molecular ion peak
- b) Base peak
- c) Daughter ion peak
- d) Precursor ion peak

Options :

2886074289. 1

2886074290. 2

2886074291. 3

2886074292. 4

Question Number : 77 Question Id : 2886071077 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

In Q-TOF LC/MS, TOF stands for

- a) Target of fragment
- b) Time of flight
- c) Test of fragments
- d) None of above

Options :

2886074293. 1

2886074294. 2

2886074295. 3

2886074296. 4

Question Number : 78 Question Id : 2886071078 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

An agent which selectively relieve pain by acting in the CNS or by peripheral pain mechanisms without significantly altering consciousness is called _____

- a) Sedative
- b) Analgesic
- c) Hypnotic
- d) All the above

Options :

2886074297. 1

2886074298. 2

2886074299. 3

2886074300. 4

Question Number : 79 Question Id : 2886071079 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Receptors that respond only on the onset of inflammation to the surrounding tissue are called _____

- a) Sleeping receptors
- b) Mechanical receptors
- c) Silent receptors
- d) Both a and c

Options :

2886074301. 1

2886074302. 2

2886074303. 3

2886074304. 4

Question Number : 80 Question Id : 2886071080 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Which function of product development supports formulation stability:

- a) Regulatory
- b) Intellectual property
- c) Packaging
- d) QA

Options :

2886074305. 1

2886074306. 2

2886074307. 3

2886074308. 4

Question Number : 81 Question Id : 2886071081 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Dessicants play a role in:

- | | |
|---------------|----------|
| a) Moisture | b) Taste |
| c) Aesthetics | d) Light |

Options :

2886074309. 1

2886074310. 2

2886074311. 3

2886074312. 4

Question Number : 82 Question Id : 2886071082 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

How many years it takes to bring one drug into the market

- | | |
|-------|----------|
| a) 5 | b) 8 |
| c) 20 | d) 10-15 |

Options :

2886074313. 1

2886074314. 2

2886074315. 3

2886074316. 4

Question Number : 83 Question Id : 2886071083 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

The failure rate in drug discovery is majorly associated with-

- | | |
|-----------------------------|-----------------------------------|
| a) Toxicity of the molecule | b) Identification of the molecule |
| c) Hit identification | d) Lead identification |

Options :

2886074317. 1

2886074318. 2

2886074319. 3

2886074320. 4

Question Number : 84 Question Id : 2886071084 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

What is the wavelength of near infrared?

- a) 100nm - 400nm
- b) 400nm - 700nm
- c) 800nm-2500nm
- d) 1mm - 1meter

Options :

2886074321. 1

2886074322. 2

2886074323. 3

2886074324. 4

Question Number : 85 Question Id : 2886071085 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

..... is a process in which energy absorbed by a substance is released relatively slowly in the form of light (typical lifetime: milliseconds to hours).

- a) Fluorescence
- b) Thermoluminescence
- c) Bioluminescence
- d) Phosphorescence

Options :

2886074325. 1

2886074326. 2

2886074327. 3

2886074328. 4

Question Number : 86 Question Id : 2886071086 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

What does DSF stands for?

- a) Differential Standard Fluorimetry
- b) Differential Scanning Fluorimetry
- c) Different Scanning Fluorimetry
- d) Dependent Standard Fluorimetry

Options :

2886074329. 1

2886074330. 2

2886074331. 3

2886074332. 4

Question Number : 87 Question Id : 2886071087 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

Which of the following is a computational/ theoretical method?

- a) Isothermal Titration Calorimetry
- b) Differential Scanning Fluorimetry
- c) Nuclear Magnetic Resonance Spectroscopy
- d) Molecular Dynamics

Options :

2886074333. 1

2886074334. 2

2886074335. 3

2886074336. 4

Question Number : 88 Question Id : 2886071088 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

Image analysis through ImageJ software reduces _____.

- a) Manpower
- b) Money
- c) Minutes
- d) All of the above

Options :

2886074337. 1

2886074338. 2

2886074339. 3

2886074340. 4

Question Number : 89 Question Id : 2886071089 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

Photomicrographs of tissues are generally obtained using_____.

- a) Telescope
- b) Microscope
- c) Both A & B
- d) None of the above

Options :

2886074341. 1

2886074342. 2

2886074343. 3

2886074344. 4

Question Number : 90 Question Id : 2886071090 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

What does pharmacokinetics include-

- a) Complications of drug therapy
- b) Drug biotransformation in the organism
- c) Influence of drugs on metabolism processes
- d) Influence of drugs on genes

Options :

2886074345. 1

2886074346. 2

2886074347. 3

2886074348. 4

Question Number : 91 Question Id : 2886071091 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

Which of the following parameters signifies the effective drug removal from the body

- a) Clearance
- b) Bioavailability
- c) Safety
- d) Volume of distribution

Options :

2886074349. 1

2886074350. 2

2886074351. 3

2886074352. 4

Question Number : 92 Question Id : 2886071092 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

Loading dose of a drug primarily depends on

- a) Volume of distribution
- b) Clearance
- c) Rate of administration
- d) Half-life

Options :

2886074353. 1

2886074354. 2

2886074355. 3

2886074356. 4

Question Number : 93 Question Id : 2886071093 Question Type : MCQ Option Shuffling : No

Correct Marks : 1 Wrong Marks : 0

What does pharmacokinetics include

- a) Localization of drug action
- b) Mechanism of drug action
- c) Excretion of substances
- d) Interaction of substances

Options :

2886074357. 1

2886074358. 2

2886074359. 3

2886074360. 4

Question Number : 94 Question Id : 2886071094 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

The main mechanism of drug absorption in the GIT is-

- a) Active transport
- b) Filtration
- c) Endocytosis and exocytosis
- d) Passive diffusion

Options :

2886074361. 1

2886074362. 2

2886074363. 3

2886074364. 4

Question Number : 95 Question Id : 2886071095 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

The reasons for determining bioavailability are-

- a) Rheological parameters of blood
- b) Amount of a substance obtained orally and quantity of intakes
- c) Extent of absorption and hepatic first-pass effect
- d) Glomerular filtration rate

Options :

2886074365. 1

2886074366. 2

2886074367. 3

2886074368. 4

Question Number : 96 Question Id : 2886071096 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Half-life is the time required to

- a) Change the amount of a drug in plasma by half during the elimination
- b) Metabolism a half of an introduced drug into the active metabolite
- c) Absorb half of the introduced drug
- d) Bind half of an introduced drug to plasma proteins

Options :

2886074369. 1

2886074370. 2

2886074371. 3

2886074372. 4

Question Number : 97 Question Id : 2886071097 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Which of the following parameters are evaluated by comparing curves of serum concentration versus time

- a) Peak concentration, biological half-life and elimination rate constant
- b) Biological half-life, T_{max} and absorption rate constant
- c) Peak concentration, T_{max} and total area under curve
- d) Absorption rate constant, area under curve and elimination rate constant

Options :

2886074373. 1

2886074374. 2

2886074375. 3

2886074376. 4

Question Number : 98 Question Id : 2886071098 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

The rate of movement of drugs and its metabolites in the body is known as-

- a) Pharmacokinetics
- b) Pharmacodynamics
- c) Pharmaceutics
- d) Chronokinetics

Options :

2886074377. 1

2886074378. 2

2886074379. 3

2886074380. 4

Question Number : 99 Question Id : 2886071099 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

Which of the following is the "Prodrug"?

- a) Lisinopril
- b) Enalapril
- c) Captopril
- d) All of the above

Options :

2886074381. 1

2886074382. 2

2886074383. 3

2886074384. 4

Question Number : 100 Question Id : 2886071100 Question Type : MCQ Option Shuffling : No
Correct Marks : 1 Wrong Marks : 0

The analytical method in which 3D Protein models built using electron-density map is

- a) NMR
- b) Electron Microscopy
- c) XRD
- d) None of the above

Options :

2886074385. 1

2886074386. 2

2886074387. 3

2886074388. 4