Que	Question Paper with Final (Revised) Answer Key for the Post of <b>Drug Inspector</b> held on 04-07-2021			
	ncode: DR1001			
Q1	Q1: The particle size of colloidal dispersion is			
A	1 nm to 0.5 μm			
В	Less than 1 nm			
С	Greater than 0.5 μm			
D	None of the above			
Coi	rrect Ans: A			
<u>Ite</u>	ncode : DR1002			
Q2	Identify the complex which belongs to the category of inclusion type			
A	Pi complexes			
В	Sandwich compounds			
С	Chelates			
D	Clathrates			
Coi	rrect Ans: <b>D</b>			
Ite	ncode : DR1003			
Q3				
Α	To stain Gram positive bacteria			
В	To stain gram negative bacteria			
С	As mordant			
D	None of the above			
Coi	rrect Ans: C			
Ite	mcode : DR1004			
Q4				
A	3 kGy			
В	5 min			
С	12 kGy			
D	15 min			
Col	Correct Ans: A			
Ito	v			
1	Itemcode: DR1005  Q5: The minute molecules that elicit an immune response only when attached to a large carrier such as a protein are known as			
A	Proimmunoten			
В	Hapten			
С	Antigen			

D	All the above
Со	rrect Ans: <b>B</b>

Itemcode: DR1006
Q6: List of drugs exempted from the provision of import of drugs is described in

A Schedule A

B Schedule J

C Schedule E

D Schedule D

Correct Ans: D

Correct Ans: A

Itemcode: DR1013 Q13: Identify the industrial filter Filter press Rotary filter В Edge filter C All the above Correct Ans: D

Itemcode: DR1014 Q14: Identify the capsule of smallest size 000 Α 5 В 1 С 3 D Correct Ans: B

<u>Itemcode</u> : <b>DR1015 Q15:</b> The uneven distribution of the colour on the surface of the tablet is known as				
A	Mottling			
В	Picking			
С	Lamination			
D	Chipping			
Correct Ans: A				

Itemcode : DR1016

Q16: Identify the propellant used in topical aerosol

A
Propane

B
Butane

C
Isobutane

D
All the above

Correct Ans: D

Itemcode: DR1018
Q18: Renal clearance depends on

A Glomerular filtration rate

B Tubular reabsorption

C Tubular secretion

All the above

Correct Ans: D

Itemcode: DR1019
Q19: Citric acid is used in limit test for iron

A To reduce ferric iron to ferrous iron

B To prevent the precipitation of iron

C To develop purple color

Acetone

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В	Acetoacetate			
С	Beta-hydroxybutyrate			
D	All the above			
Со	rrect Ans: <b>D</b>			
Ite	mcode: DR1030			
	80: Citrullinemia is a metabolic disorder of			
Α	Beta oxidation			
В	Urea cycle			
С	Glycogenolysis			
D	Citric acid cycle			
Со	rrect Ans: <b>B</b>			
Ite	<u>mcode</u> : <b>DR1031</b>			
	31: Sultamicillin is a prodrug			
Α	Mutual			
В	Carrier linked			
С	Bioprecursor			
D	Macromolecular			
Со	Correct Ans: A			
The	manda i PR1022			
Itemcode: DR1032 Q32: Computer aided drug design technique where the study of interaction of ligand molecule with receptor is known as				
Α	Hansch Analysis			
В	Docking			
С	Free Wilson analysis			
D	None of the above			
Со	Correct Ans: <b>B</b>			
Itemcode: DR1033 Q33: Lignocaine is chemically				
Α	N-(2,4-dimethylphenyl)-N2,N2-dimethylglycinamide			
В	N-(2,4-diethylphenyl)-N2,N2-dimethylglycinamide			
С	N-(2,6-dimethylphenyl)-N2,N2-diethylglycinamide			
D	N-(2,6-dimethylpentyl)-N2,N2-diethylglycinamide			
Correct Ans: C				

**Q34:** p-Aminophenylbutyric acid and ethylene oxide are the starting materials for the synthesis of

**Q39:** Identify the chemical shift range of methoxy group

- 3.3 3.8
- в 6.5 5.2
- **c** 2.0 2.6
- **D** 1.5 2.2

Correct Ans: A

Itemcode: DR1040

Q40: The order of electronic transitions in UV is

- $\sigma \sigma^* > n \sigma^* > n \pi^* > \pi \pi^*$
- $n-\sigma^* > n-\pi^* > \pi-\pi^* > \sigma-\sigma^*$
- c  $\sigma \sigma^* > n \sigma^* > \pi \pi^* > n \pi^*$
- $\sigma \sigma^* > \pi \pi^* > n \sigma^* > n \pi^*$

Correct Ans: C

Itemcode: DR1041

Q41: Identify the pathogen responsible for the cause of filariasis

- ▲ Wuchereria bancrofti
- **B** Mycobacterium tuberculosis
- c Entamoeba histolytica
- Aedes aegypti

Correct Ans: A

Itemcode : DR1042

Q42: The following are the autoimmune disorders of skin except

- Morphea
- B Erythema nodosum
- c Sjogren's syndrome
- Vitiligo

Correct Ans: C

Itemcode: DR1043

Q43: The causative organism of syphilis is

- A Aedes aegypti
- **B** Streptococcus syphilatis
- c Treponema pallidum

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С	Glibenclamide			
D	Tolbutamide			
Со	Correct Ans: <b>B,D</b>			
T				
	emcode: DR1049  19: Gray baby syndrome is caused by			
Α	Chloramphenicol			
В	Erythromycin			
С	Penicillin			
D	Ketoconazole			
Со	rrect Ans: A			
T.				
	emcode: <b>DR1050</b> 50: Identify the drug which act by inhibiting mycolic acid synthesis			
Α	Ethambutol			
В	Norfloxacin			
С	Lincomycin			
D	Isoniazid			
Co	Correct Ans: <b>D</b>			
	emcode: DR1051 51: Ciprofloxacin increases the toxicity of theophylline by			
Α	Inhibiting metabolism			
В	Decreasing excretion			
С	Promote absorption			
D	All the above			
Со	rrect Ans: A,B			
Ite	emcode : <b>DR1052</b>			
	Q52: The ganglion blocking drugs act by			
A	Competing with acetylcholine at neuromuscular junction			
В	Preventing nerve conduction in post ganglionic segment			
c	Preventing release of acetylcholine			
D	Preventing catecholamine release			
Correct Ans: C				
Ite	<u>emcode</u> : <b>DR1053</b>			
Q53: Identify the 5-HT receptor antagonist				
A Ondansetron				

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В	Risperidone		
С	Ketanserine		
D	Sumatriptan		
Со	rrect Ans: <b>A</b>		
Tto	mcode : DR1054		
	4: Identify the diuretic drug which is a Epithelial sodium channel blocker		
A	Spironolactone		
В	Triametrene		
С	Metazolamide		
D	Torasemide		
Со	rrect Ans: <b>B</b>		
<b>.</b>			
	mcode : DR1055 5: Identify the COX-2 inhibitor		
A	Valdecoxib		
В	Indomethacin		
c	Morphine		
D	Diclofenac		
Со	rrect Ans: A		
<b>.</b>			
	mcode : DR1056 6: Identify the oral hypoglycemic agent		
A	Furosemide		
В	Glycolamide		
c	Pioglitazone		
D	Insulin		
Correct Ans: C			
	Itemcode : DR1057 Q57: Tetracycline act by inhibition of protein synthesis by binding with		
A	Cell wall		
В	Acetyl CoA		
С	50 S ribosomal subunit		
D	30 S ribisomal subunit		
Со	rrect Ans: <b>D</b>		
	mcode : <b>DR1058</b> 8: Identify the antihyperlipidemic drug which act as bile acid sequastrant		

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A	Clofibrate		
В	Colsevelam		
С	Simavastatin		
D	Niacin		
Со	prrect Ans: B		
	emcode : DR1059 59: Identify the anti-HIV drug which is a entry inhibitor		
A	Maraviroc		
В	Zidovudine		
С	Indinavir		
D	Rilpivirine		
Со	orrect Ans: A		
	emcode : DR1060 60: All of the following inhibit hepatic enzymes except		
A	Rifampin		
В	Phenytoin		
С	Phenobarbitone		
D	Tolbutamide		
Со	orrect Ans: S (S Denotes question scrapped and no credit to Candidates.)		
	emcode : DR1061 51: Therapeutic index of a drug is an indicator of		
A	Potency		
В	Toxicity		
С	Safety		
D	Efficacy		
Со	Correct Ans: B,C		
	Itemcode: DR1062 Q62: According to morphological classification the following crude drugs belongs to the category of rhizomes except		
A	Turmeric		
В	Ginger		
С	Valerian		
D	Aconite		
Co	Correct Ans: <b>C,D</b>		
	·		

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	mcode : DR1068 8: Oleanolic acid is a chemical constituent of
A	Senega
В	Liquorice
C	Bitter almond
D	Ginseng
Coı	rrect Ans: <b>D</b>
	mcode : DR1069  9: Identify the herb used as the main source of atropine and scopalamine
A	Cinchona
В	Duboisia
С	Colchicine
D.	Nux vomica
Coi	rrect Ans: <b>B</b>
	O: Identify the plant drug useful in the treatment of gout  Ergot
A	Ergot
В	Rauwolfia
С	Colchicum
D	Gokhru
Coı	rrect Ans: C
	mcode: DR1071  1: Dried rhizomes of Alpinia officinarum belongs to the family of Zingiberaceae is a source of
A	Chitrack
В	Adusa
C	Kantkari
D	Rasna
Coi	rrect Ans: <b>D</b>
	mcode: DR1072  2: Ayurvedic preparation in the form of pills are known as
A	Lehya
В	Taila
С	Gutika
D	Asavas

Correct Ans: C

Itemcode: DR1073

Q73: Following are the drugs containing indole alkaloid except

- **L**obelia
- **B** Ergot
- **c** Vinca
- Nux vomica

Correct Ans: A

Itemcode: DR1074

**Q74:** Following are the adulterants of Digitalis leaves except

- A Verbuscum thapus
- **B** Primula vulgaris
- c Symphytum officinale
- **D** Thevetia neriifolia

Correct Ans: D

Itemcode: DR1075

Q75: Identify the number of isoprene units in sesquiterpenes

- A 1
- в 2
- **c** 3
- **D** 4

Correct Ans: C

Itemcode: DR1076

**Q76:** Identify the anticancer drug obtained from the marine source

- A Ara C
- B ATX II
- **c** Eptatretin
- **D** Eunicin

Correct Ans: A

Itemcode: DR1077

**Q77:** Identify the test for cardiac glycosides

- A Keedes test
- **B** Raymonds test
- c Baljet's test

- (i) only.
- B (iii) only.
- **c** (i) & (ii).
- **D** (ii) & (iii).

Correct Ans: A

Itemcode : DR1082

١	Q8	Q82: Which of the following is true about the Bara Lacha Pass?				
		(i) Road from Zanskar, Spiti and Lahaul meet on its top.				
		(ii) Roads from Kinnaur and Ladakh cross it through a tunnel.				
		(iii) Roads from Zanskar and Lahaul meet on it.				
		(iv) Roads from Dharamshala and Rohru meet on it.				
ĺ	Α	(i), (iv).				
l	В	(i), (ii).				
Ì	С	(i), (iii).				
İ	D	(ii), (iii).				
ŀ						

Correct Ans: C

Q83: Which of the following is true about the tragic incident caused by the Andhra River in 1997 in Shimla district?

- (i) It occurred in the month of July.
- (ii) It swept away the Chirgaon Village in Shimla district causing great loss to lives and properties of people.
- (iii) It was due to the human interferences in the natural processes.
- (iv) It is the only incident of soil erosion by a stream in Shimla district.
- A (i), (ii)

  B (ii), (iii)

  C (iii), (iv)

  D (iv), (i)

Correct Ans: B

Itemcode: DR1084

Q84: 4. Find out the correct match of the following tribes with their marriage system:

- (i) The Khasas Gadar type.
- (ii) The Gaddis Bari Shadi.
- (iii) The Pangwals Batta Satta.
- (iv) The Halis Malia.
- **A** (i), (ii)
- в (ii), (iii)
- c (iii), (iv)
- **D** (iv), (i)

Correct Ans: **D** 

Itemcode : DR1085

Q85: The trem "Scheduled Areas" of Himachal Pradesh and some other States is defined in the Indian Constitution:

Α	Schedule II	
В	Schedule IV	
С	Schedule V	
D	Schedule III	
Correct Ans: C		

**Q86:** Which of the following is true about the Educational Initiatives being taken for girl education in the Kasturba Gandhi Balika Vidyalayas in Himachal Pradesh?

- (i) They will admit the girl children of poor Scheduled Castes, Scheduled Tribes and minority communities.
- (ii) They will admit the girls of only the Scheduled Caste and Scheduled Tribe families.
- (iii) The annual income of such families must be below Rs. 30,000.
- (i) only.
- B (ii) only.
- c (ii) and (iii).
- **D** (iii) and (i).

Correct Ans: A

Itemcode: DR1087

**Q87:** The Anglo – Nepal War (1814-16) took place in the time of the Governor – Generalship of :

- Lord Wellesley.
- **B** Lord Amherst.
- **c** Earl of Minto I.
- Marquess of Hastings.

Correct Ans: D

Itemcode: DR1088

975

**Q88:** Which of the following is correct about the All India and Himachal Pradesh's Women Sex ratios as per the Census of 2011?

All India Himachal Pradesh

930

All India Himachal Pradesh

960 925

c All India Himachal Pradesh
940 972

D All India Himachal Pradesh

956 950

Correct Ans: C

Itemcode: DR1089

Q89: Which of the following is true about the contribution of Agriculture in State Domestic Product (SDP) in 1990-91?

- (i) It was declined to 30.5%.
- (ii) It was declined to 35.5%.
- (iii) It was declined to 26.5%.
- A (i) only.
- B (iii) only.
- **c** (i) and (ii).
- **D** (iii) and (i).

Correct Ans: B

Itemcode: DR1090

**Q90:** Which of the following is true about the D.P. Sood Commission?

- (i) It was set up to look into the benami land deals from 2003 to 2011 in Himachal Pradesh.
- (ii) It was set up to look into the benami land deals from 2003 to 2008 in Himachal Pradesh.
- (iii) It was set up to look into the benami land deals from 2005 to 2010 in Himachal Pradesh.
- A (i) only.
- B (iii) only.
- c (ii) & (iii).
- **D** (ii) & (i).

Correct Ans: A

Itemcode: DR1091

Q91: In which State of India, Gypsum is produced largely?

- Orissa.
- B Tamil Nadu.
- c Andhra Pradesh.
- Rajasthan.

Correct Ans: D

Itemcode: DR1092

**Q92:** Which of the following is true about the Indian Economy?

- (i) It became the fourth largest economy by overtaking United Kingdom and Italy.
- (ii) It became the fifth largest economy by overtaking France and United Kingdom.
- (iii) It became the sixth largest economy by overtaking France and Italy.
- (iv) It became the third largest economy by overtaking Germany and Brazil.

- A (i) only.
- B (ii) only.
- c (i) & (iii).
- **D** (ii) & (iv).

Correct Ans: B

Itemcode : DR1093

**Q93:** Of the following, which is true about the proposed location of three capitals of Andhra Pradesh?

- A Amaravati, Kurnool & Vishakhapatnam.
- B Amaravati, Vishakhapatnam & Guntur.
- **C** Vishakhapatnam, Sikandarabad & Kurnool.
- Amaravati, Trichy & Guntur

Correct Ans: A

Itemcode: DR1094

**Q94:** The Agha Khan Cup is associated with:

- **A** Badminton.
- B Hockey.
- c Football.
- **D** Table-Tenis.

Correct Ans: B

Itemcode: DR1095

Q95: Find out the correct match of the following Associations with their founders?

(i) Atmiya Samaj

- (a) Gopal Krishna Gokhale.
- (ii) Prarthana Samaj
- (b) Ram Mohan Roy.
- (iii) Servants of India Society
- (c) Atmaram Pandurang.
- (iv) Young Bengal Movement
- (d) Henry Vivian Derozio.
- A (i) (b); (ii) (c); (iii) (a); (iv) (d).
- $\mathbf{B}$  (i) (c); (ii) (a); (iii) (b); (iv) (d).
- $c \mid (i) (d); (ii) (b); (iii) (c); (iv) (a).$
- (i) (a); (ii) (c); (iii) (d); (iv) (b).

Correct Ans: A

Itemcode: DR1096

Q96: The Head-quarters of the ASEAN (Association of South-East Asian Nations) is located in:

- Manila.
- **B** Kuala Lumpur.

С	Jakarta.	
D	Bangkok.	
Correct Ans: <b>C</b>		

Q97: Which of the following is true about the Electoral College of the USA formed for the Presidential election?

- (i) Each of its 50 States only is given a number of Electoral College votes.
- (ii) Each of its 50 States plus Washington D.C., is given a number of electoral college votes.
- (iii) The total number of electoral college votes is 540.
- (iv) A candidate must get 270 electoral votes to win (50 p.c. plus one only).

Α	(i) & (iii).	
В	(iii) & (ii).	
С	(iv) & (i).	
D	(ii) & (iv).	
Correct Ans: <b>D</b>		

Itemcode: DR1098

Q98: Which of the following State became the latest member of the International Monetary Fund in 2020?

- Andorra.
- **B** Vatican City.
- c Malta.
- **D** Monaco.

Correct Ans: A

Itemcode: DR1099

**Q99:** The Chinese Medical Practitioner, who first sounded the alarm on the Wuhan Coronavirus?

- Dr. Si-Wang-tsu.
- B Dr. Mei-Fangtse.
- c Dr. Li-Wenliang.
- Dr. Chan-Tse.

Correct Ans: C

Itemcode: DR1100

Q100: Which of the following is true about the Brexit Deal of United Kingdom (U.K.)?

- (i) The U.K. decided to quit the European Union through a Referendum.
- (ii) But the conservative party could not get it passed in the British Parliament, though it made two attempts between 2017-19.
- (iii) But the entire nation wanted to quit the European Union.

(ii), (iii). Correct Ans: B

(i), (ii).

С

D