Exam Date & Time: 15-Jul-2022 (10:00 AM - 01:00 PM)



MANIPAL ACADEMY OF HIGHER EDUCATION

Quality Control and Standardization of Herbals [PCO-BP806ET-S2]

	Quanty Control and Standardization of Herbais [1 CO-Di 600E1 52]
Marks: 75	Duration: 180 min
	I Multiple Choice Questions (MCQs)
Answer all	the questions. Section Duration: 30 min
1)	The finished goods transferred from the production area after proper packing shall be stored in the finished goods stores, marked as
	1) Finished goods stock 2) Quarantine 3) Finished product 4) None (1)
2)	Fertilizers should be applied sparingly to minimise
	1) Erosion 2) Leaching 3) Tillage 4) Weeds (1)
3)	National GLP compliance monitoring authority was established by DST India in the year
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4)	Following is the environmental factor in GACP does not come under CLIMATE
	1) Radiation 2) Temperature 3) Mutation 4) Altitude (1)
5)	India became full-member for Mutual Acceptance of Data (MAD) in the OECD's working group on GLP from
	March 2011 November 2021 3) January 4) None of the above (1)
6)	Precautions to be taken during collecting of bark includes
	The tree should not be stripped completely Only longitudinal strips of bark is cut along one side of the tree Spring is the ideal time of collection All of the above (1)
7)	To dry powder or extract, add 5ml of 95% ethanol, few drops of conc. HCl and 0.5 g of magnesium turnings. Pink colour observed
	Biuret 1) Est 2) Salkowski test 3) Benedict's 4) Shinoda test (1)
8)	It exhibits Haemolytic activity because of the presence of (1)

	1) Mucilage 2) Volatile oil 3) Saponin 4) Proteins
9)	Histochemical detection, anatomy, leaf constants, linear measurements covered under
	Morphological 2) Pharmacological evaluation 3) Microscopic evaluation 4) Physical evaluation (1)
10)	Atomic absorption spectrophotometry is used to determine
	Moisture content 2) Pesticide residue 3) Heavy metal 4) Chemical marker (1)
11)	DDT is categorized in which of the following type of pesticide
	Organophosphorus pesticides 2) Carbamates 3) Inorganic pesticides 4) Chlorinated hydrocarbon pesticides (1)
12)	Following is considered as chemical change of herbal product
	Crystal growth 2) Polymorph change 3) Hydrolysis of constituent 4) Colour change (1)
13)	Column Chromatography is used for
	Identification of phytoconstituents 2 Isolation of phytoconstituent 3 Analysis of phytoconstituent 4 Extraction of phytoconstituent (1)
14)	Which of the following is NOT included in Herbal preparations?
	Tinctures 2) Extracts 3) Isolated compounds 4) Expressed juices (1)
15)	Which of the following is NOT healthcare professions?
	1) Pharmacy 2) Medical 3) Nursing 4) Engineering (1)
16)	Post marketing surveillance in case of herbal medicines is involved in phase of clinical trials
	1) I 2) II 3) III 4) IV
17)	Which of the following is NOT a part of protocol preparation?
	Literature survey 2) Technology transfer 3) Working hypothesis 4) Ethical aspects (1)
18)	Database related to herbal medicine and natural products are NOT established in which of the following country? (1)
	1) China 2) Japan 3) United States 4) Africa
19)	British Herbal Pharmacopoeia was published in the year 1) 1992 2) 1983 3) 2010 4) 1975 (1)

Explain the Licence requirement various classes of ASU preparations

Give a brief account of research guidelines for the following

A. Quality specifications of the plant materials and preparations

B. Pharmaco-dynamic and pharmacological studies of herbal medicines

Write a note on role of chemical markers in standardization of Herbal products.

Write a note on Specification, Herbal teas and DER with their significance.

4)

5)

6)

7)

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(5)

(5)

(5)

(5)