MSC. II - Sem. IV - oct 2016 Analy. chem. - paper. IV **QP Code: 76848** (2½ Hours) [Total Marks: 60 N. B.: (1) All questions are compulsory. (2) Use of log table or nonprogrammable calculator is permitted. or impurities in drugs?

..., development and quality control are two important sections in pharmaceutical industry'. Justify the statement.

(iii) Explain Parenteral route of drug administration. When is preferred?

(iv) What is a pharmaceutical formulation? Explain the of pharmaceutical formulations.

Explain with example. (a) Attempt any two of the following:-(b) Explain with examples different types of excipients present in tablets. OR (b) List the different physical parameters included in the monographs of 4 pharmaceutical raw materials or products. Give the significance of any two of them. 8 (a) Attempt any two of the following:-(i) Explain the importance of limit test Discuss in detail limit test for iron. (ii) State and explain the different factors causing deterioration of drugs. (iii) How is in vitro dissolution test carried out for a tablet? (iv) What is proximate analysis? Explain the various parameters of proximate analysis. (b) Explain tube dilution method for analysis of antibiotics. 4 (b) What is stability of drug? Explain the importance of its study. (a) Attempt any two of the following:-8 (i) What are hallucinogens? Give the method for quantitative and 3. avalitative analysis of LSD. (ii) How are metabolites of drugs determined from urine and blood samples of addicts? TURN OVER DW-Con.1042-16.

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(iii) "Analytical chemistry is the backbone of forensic science" Justify	1
(iv) Describe the method for determination of arsenic and mercury is	1
una les o als comando	
Late 2 How is cocaine identified and estimated from	n 4
the samples.	Ç
	, cs
(b) How are blood stains analysed at a crime scene?	
	58° 8
(a) Attempt any two of the following:	5
(i) Give the components of face powder. Describe a method for determination of magnesium in face powder.	11
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(ii) How is resorcingle estimated in hair tonic?	* .
(iii) What are cosmetics? Discuss the various properties of cosmetic	3.
(iv) Describe the method for analysis of non volatile matter in cream	iS
and lations using IR spectroscopy.	
(b) Give the components of lipstick. Explain ash analysis with reference	e 4
to it.	D.
OR	
(b) What are deodorants and antiperspirants? And a note on their mode	of 4
action.	
Attempt any four of the following:	12
as a standard that are generally used for testing u	ne
quality of finished product.	
Sparaneutic dose and Prophylactic dose.	
1 October instign of high valiability of a gruy	?
De tror O in analyseis of drugs	
the test for identification of Renzodiazenine and Mandr	ax
2 - 0 - at had for estimation of pesticides in post mone	em
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samples impurities introduced in cosmetics?	
(vii) How are impurities introduced in cosmetics? (viii) Describe the method of estimation of water in cosmetics.	
(viii) Describe the method of estimation of water in	
(viii) Describe the method of estimation of water in cosmetres.	
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