## Paper / Subject Code: 65103 / Dispensing Pharmacy

Max marks: 70

Max time: 3 hrs

N. B.: (1) All guestions are compulsory. (2) Figures to the right indicate full marks. Q.1.a. Convert the following: (2) i) 5 pound = \_\_\_\_ mg ii) 10 grains = \_\_\_\_\_ mg iii) 9 litres = pints iv) 200 minims = Q.1.b. Explain in brief good pharmaceutical practices in compounding and dispensing (2) Q.1.c. Calculate the dose of Drug X for a 5 years old. The adult dose of the same drug is 750 mg (1)Q.1.d. Write a brief note on collodions (2) Q.1.e. Discuss in brief about suspensions containing volatile oils (2) Q.1.f. Enlist the instabilities in emulsion and explain any one (2) Enlist the ingredients used in compounding of Kaolin Poultice BPC stating the role of each Q.1.g (2) ingredient. Q.1.h. Write in brief about capsules (2) How would you prepare 300 g of 10% w/w calamine ointment from ointments containing Q.2.a (3)5%, 15% and 25% w/w calamine Q.2.b. Enlist the various types of ointment bases. Write a note on any ONE type of base (4) Q.2.c. Comment on the following prescription (4) Alprazolam 1 mg Send 10 powder packet. Each packet weight 120mg Label one to be taken every night OR Classify powders. Explain the compounding and dispensing of tablet triturates. Enlist the advantages of solution as a dosage form. Comment on the following prescription (4) 100 ml of zinc chloride and zinc sulphate mouthwash BPC Zinc chloride 1% w/v Zinc sulphate 2% w/v Label: To be diluted with 20 times its volume of warm water before use Give an account of solutions instilled into body cavities Q.3.b. Classify creams. Write a note on dilution of creams (3) Q.3.c. Summarize the compounding and dispensing of pills (4) Q.4.a. Write a detailed note on types of prescription (4) Q.4.b. Enlist the properties of a good suspension. Write a note on thickening agents used in the (4) compounding of suspension. Write a note on compounding and dispensing of suspensions containing indiffusible solids Q.4.c. Explain the various methods used for compounding of liquid emulsions. (3)

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Q.5.a.	Find the amount of NaCl to be included in 100 ml of a 0.3% w/v solution of zinc sulphate so that, on dilution with an equal quantity of water, it will be iso-osmotic with tissue fluids. Given:	(3)
	Freezing point of 1% w/v solution of zinc sulphate is -0.076°C	2000
	Freezing point of 1% w/v solution of sodium chloride is -0.576°C	
Q.5.b.	Give a detailed account of disadvantages of cocoa butter as a suppository base  OR	(4)
	Discuss polyethylene glycol as suppository base	
Q.5.c.	Explain chemical incompatibility with one suitable example	(4)
Q.6.a.	Give the labelling instructions for any 2 of the following dosage forms:	(2)
	1) Ear drops	D. W.
	2) Liniments	5/1/2
	3) Mouthwashes	1,95)
Q.6.b.	Give the English translation of the following Latin terms or abbreviations:	(2)
	1) Guttae	
	2) Si opus sit	
	3) Lente	
	4) b.i.d.	
Q.6.c.	Write in brief about stock solutions	(3)
Q.6.d.	In what proportions would you mix Tween 80 (HLB 15) and Span 80 (HLB 4.5) to obtain 50 g of an emulgent having a HLB of 10	(2)
Q.6.e.	Enlist steps involved in compounding of suppository by moulding method and explain lubrication step	(2)

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