

C.U.SHAH UNIVERSITY

Winter Examination-2018

Subject Name : Clinical Pathology

Subject Code : 2SC01CLP1

Branch: PGDMLT

Semester : 1

Date : 30/11/2018

Time : 02:30 To 05:30

Marks : 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
- (2) Instructions written on main answer book are strictly to be obeyed.
- (3) Draw neat diagrams and figures (if necessary) at right places.
- (4) Assume suitable data if needed.

Q-1	Attempt the following questions:	(14)
	a) Mention four methods of collection of urine sample	1
	b) Give another name of round worm and hook worm seen in stool	1
	c) Enumerate four methods of estimation of urine pH	1
	d) Mention the test for detection of globulin in CSF (cerebrospinal fluid) sample	1
	e) Explain Transudate & Exudate	1
	f) Describe normal level of sugar & protein in CSF sample	1
	g) Mention two methods of collection of sputum sample	1
	h) What is normal sperm count in semen sample	1
	i) Mention use of Esbach's albuminometer	1
	j) Mention use of Red & yellow color bag which are used for biomedical waste	1
	k) Define precision & accuracy word used in quality control	1
	l) Mention the automated instruments used in clinical pathology	1
	m) Define Azotemia and Uremia	1
	n) Enumerate parasites found in abnormal urine	1
Attempt any four questions from Q-2 to Q-8		
Q-2	Attempt all questions	(14)
	a. Write down physical examination of urine sample	6
	b. Write down chemical tests for protein and sugar seen in urine sample	8
Q-3	Attempt all questions	(14)
	a. Write down collection methods of sputum sample	4
	b. Describe procedure of Z.N.stain	6
	c. Draw the diagram of AFB bacilli	4
Q-4	Attempt all questions	(14)
	a. Draw the diagram of lumbar puncture needle	2
	b. Give difference between pyogenic meningitis & tuberculous meningitis	10
	c. Explain xanthochromia & cob web formation	2
Q-5	Attempt all questions	(14)
	a. Draw the diagram of sperm and describe abnormal morphology found in sperm	2+4



	b	Write down physical examination of semen sample	4
	c	Write down chemical test done in semen sample	4
Q-6		Attempt all questions	(14)
	a	Write down physical examination of stool sample	6
	b	Describe various parasites seen in stool sample	8
Q-7		Attempt all questions	(14)
	a	Mention various bags used for biomedical waste management	4
	b	Describe categories for waste management with its disposal methods	10
Q-8		Attempt all questions	(14)
	a	Write down use of multistix reagents strips in urine analysis	7
	b	Describe quality control in clinical pathology	7

