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Reg. No.		

SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION – MAY 2011 SUBJECT: PHARMACOLOGY, PATHOLOGY AND GENETICS (BSN 204)

			Mond	lay, May 16, 2011	made di
Time	e: 10:	00 – 13:00 Hrs.			Max. Marks: 75
E E		The state of the s			Tangueri Mo
	Answer ALL the questions. Use illustrations wherever necessary. Answer Section 'A' and Section 'B' in TWO separate answer books. SECTION 'A': PHARMACOLOGY: 38 MARKS A. Enumerate the first line drugs used in tuberculosis and explain the mechanism of action and adverse effects of any three drugs. B. What is the rationale of using multidrug therapy in tuberculosis? C. Define superinfection. What measures can be taken to prevent them? (8+2+3 = 13 marks) Write short notes on: A. H ₂ receptor blockers B. Inhalational steroids C. Techniques of local anaesthesia 2D. Uses and adverse effects of morphine (5×4 = 20 marks) Choose the Single Best response for the following questions: A. Ethanol is an effective antiseptic at a concentration of a) 20-40% b) 40-90% c) 100% d) >100% B. Anticholinergics produce all the following effects except a) Dry mouth b) Diarrhoea c) Mydriasis d) Decrease in acid production 3C. All the following effects are seen with thiazide diuretics except a) Hyperkalemia b) Hyponatremia c) Hyperglycemia d) Hypercalcemia 3D. In acute attack of angina, the preferred route of administration of nitroglycerine is a) Intramuscular b) Oral				
1A.				tuberculosis and explain the mecha	nism of action and
1B.	Wh	at is the rationale of usir	ng multidru	ng therapy in tuberculosis?	
1C.	Def	ine superinfection. Wha	t measures	can be taken to prevent them?	
				Automotive (8+2+3 = 13 marks
2.	Wr	ite short notes on:			
2A.	H ₂ r	eceptor blockers			
2B.	Inha	alational steroids			
2C.	Tec	hniques of local anaesth	nesia		
2D.	Use	es and adverse effects of	morphine		
					$(5\times4=20 \text{ marks})$
3.	Che	oose the Single Best res	sponse for	the following questions:	
3A.	Etha	anol is an effective antis	septic at a	concentration of	
	a)	20-40%	b)	40-90%	
	c)	100%	d)	>100%	
3B.	Ant	icholinergics produce al	ll the follo	wing effects except	
	a)	Dry mouth	b)	Diarrhoea	
	c)	Mydriasis	d)	Decrease in acid production	
3C.	All	the following effects are	e seen with	thiazide diuretics except	
	a)	Hyperkalemia	b)	Hyponatremia	
	c)	Hyperglycemia	d)	Hypercalcemia	
3D.	In a	cute attack of angina, th	ne preferre	d route of administration of nitroglyco	erine is
	a)	Intramuscular	b)	Oral	
	c)	Intravenous	d)	Sublingual	
3E.	Hov	w much dextrose is need	led to be d	issolved in 1 litre of solvent to make	10% dextrose?
	a)	1g	b)	10g	
	c)	100g	d)	1000g	

SECTION 'B': PATHOLOGY & GENETICS: 37 MARKS

4A. Adenosquamous carcinoma is an example for

	a)	Blastoma	b)	Hamartoma
	c)	Mixed tumors	d)	Teratoma
4B.	Foll	lowing are the organs commo	only a	ffected in coagulative necrosis except
	a)	Heart	b)	Kidney
	c)	Pancreas	d)	Spleen
4C.	Fol	lowing are the local factors i	nfluer	ncing wound healing except
	a)	Foreign bodies	b)	Infection
	c)	Movement	d)	Nutrition
4D.	Ma	le individual showing femin	nine c	character came to the doctor for diagnosis. The doctor
	ide	ntifies the presence of one	e extr	a 'X' chromosome along with normal chromosomal
	con	nplement by karyotyping.He	diagn	loses this abnormality as:
	a)	Turner's syndrome	b)	Klinefelter's syndrome
	c)	Down's syndrome	d)	Cri-du-chat syndrome
4E.	Ger	ne therapy means		
	a)	Treatment of diseases		
	b)	Therapy involving change	s in li	pids
	c)	Therapy involving replace	ement	of amino acids
	d)	Therapy involving replace	ement	of defective genes with normal genes
				$(1 \times 5 = 5 \text{marks})$
5.	W	rite short notes on:		
5A.	Eti	ology of Down's syndrome.		
5B.			ions?	Write notes on duplication and deletion.
5C.		iopathogenesis of Osteomyel		
5D.		rcinoma of Esophagus.		
				$(5\times4=20 \text{ marks})$
6A.	-	fine Emphysema.		Margarith Commission of the Co
6B.	De	scribe the different types of	Emph	ysema.

6C. Discuss the etiology and pathogenesis of Emphysema.

(2+4+6 = 12 marks)

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SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION - MAY 2011

SUBJECT: SOCIOLOGY (BSN 201)

Tuesday, May 17, 2011

Tim	e: 10:00 – 13:00 Hrs.		Max. Marks: 75
Ø	Choose the single best respon	se for each	of the following:
1A.	A type of marriage in which a r	nan marries	a sisters is known as
	a) Sororal polygyny	b)	Sororate polygyny
	c) Non-sororal polygyny	d)	Non-sororate polygyny
1B.	The various forms of exogamy	are the follo	wing, EXCEPT
	a) Pinda	b)	Gotra
	c) Pravara	d)	Jataka
1C.	The social cause which leads to	beggary is	
	a) Migration	b)	Population explosion
	c) Caste	d)	Race
1D.	The tendency of an individual one's own standard is called as		dividuals of other culture from the stand point of
	a) Egocentrism	b)	Prejudice
	c) Ethnocentrism	d)	Sanskritization
1E.	The term medical sociology wa	s first introd	luced by
	a) Charles Mc Intire	b)	Robert Strauss
	c) Parsons	d)	Sorokins
1F.	The elements of social system a	are the follow	wing EXCEPT
	a) Norms	b)	Sanction
	c) Sentiments	d)	Religion
1G.	An example for community dis	organization	ı is
	a) Divorce	b)	Suicide
	c) Prostituition	d)	Poverty
1H.	The element that differentiates	community	from clan is
	a) We feeling	b)	Community discipline
	c) Group of people	d)	Fixed geographical area
1I.	Which one of the following is r	not a part of	culture?
	a) Rail roads	b)	Observance of sanskaras
	c) Spirituality	d)	Religious tolerance
1J.	Culture is important to individua) It makes him a human being by It unites him with his ancount of the provides him easy mean his line.	ing estors ns of social l	iving

 $(1 \times 10 = 10 \text{ marks})$

Write in detail the advantages and disadvantages of nuclear family.

(12 marks)

- 3A. Explain the consequences of substance abuse.
- 3B. Describe the measures taken to control and eradicate substance abuse.

(4+7 = 11 marks)

- 4A. Explain the features of village community.
- 4B. Describe the factors of growth in a village community.

(5+7 = 12 marks)

5. Write short notes on the following:

- 5A. Causes of polygyny.
- 5B. Population explosion and its impact on health.
- 5C. Application of sociology in nursing.
- 5D. Elements of social organization.
- 5E. Describe the social role of fashion.
- 5F. Nature of social control.

 $(5 \times 6 = 30 \text{ marks})$

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SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION - MAY 2011

	10		Γhursday, N	May 19, 2011	
		:00 – 13:00 Hrs.		Max. M	arks: 7
8	Ans	swer ALL questions.			
8	Cho	oose the single best response	e for each	of the following:	
A.	The	dimension of health which d	leals with p	erfect functioning of the body is	
	a)	Emotional	b)	Mental	
	c)	Social	d)	Physical Post expressing method	
B.	The	study of relationship betwee	n living or	ganisms and their environment is called as	
	a)	Biology	b)	Ecology	
	c)	Sociology	d)	Physiology	
		Control of the State of the Sta		Ledina Instruction (see	
C.		ystem of anaerobic composting			
	a)	Bangalore method	b) d)	Mechanical composting Secondary treatment	
	c)	Recycling	(a)	n respect to sample and an artistic	
D.	Ac	heap method of sewage treat	ment is:		
	a)	Land treatment	b)	Oxidation pond	
	c)	River outfall	d)	Sea outfall	
E.	In n	narriage system where a man	marries m	ore than one woman is known as:	
	a)	Polygamy	b)	Polygymy	
	c)	Polyandry	d)	Exogamy	
F.	The	word epidemiology is derive	ed from		
1.	a)	Disease	b)	Endemic	
	c)	Epidemic	d)	Pandemic	
		and the state of the state of	The one of		
G.			s of a dise	ease at one point in time in relation to a	define
	7	ulation is known as			
	a)	Point prevalence		Period prevalence	
	c)	Incidence	d)	Mean prevalence	170
H.	The	e clinical feature lock jaw is s	een in case	of	
	a)	Diphtheria	b)	Tetanus	
	c)	Pertussis	d)	Mumps	
I.	The	causative agent for plague is			
	a)	Leishmania Donovani	b)	Leptospira	
	c)	Rickettsiae	d)	Yersenia pestis	
J.	The	quantity of sodium bicarbon	ate in ORS	hicarbonate is	
	a)	0.5g	b)	1.5g	
	c)	2.5g	d)	3.5g	

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1K.	Breast cancer is commonly seen in w	omen b	pelongs to	
	a) Low socio economic class	b)	Middle class	
	c) High socio economic class	d)	All of the above	
1L.	The cancer which is the common cau	ise of de	eath among middle aged wo	omen is
	a) Breast Cancer	b)	Cervical cancer	
	c) Lung cancer	d)	Oral cancer	
1M.	Type of family planning, based on ba	asal bod	ly temperature is	
	a) Natural method	b)	Barrier method	
	c) Permanent method	d)	Post conceptual method	
1N.	Cervical mucous method of family p	lanning	is a	
	a) Chemical method	b)	Natural method	
	c) Physical method	d)	Post conceptual method	
10.	Symtothermic method of family plan	ning is	a	
	a) Combined method	b)	Natural method	
	c) Post conceptual method	d)	Rhythm method	
				$(1\times15=15 \text{ marks})$
2.	Enumerate the following with respect	t to dien	and of wests	
2A.	Enumerate the following with respect Sources of refuse	t to disj	bosai of waste	
2B.	Storage			
2C.	Collection.			
20.	Conceilon.			(12 marks)
				wang da sa
3.	Discuss Tuberculosis under the follo	wing he	eadings:	
3A.	Case finding tools			
3B.	DOTS			
3C.	Role of a Community Health Nurse			
				(4+4+5 = 13 marks)
4.	Write short notes on the following:	Length		is easy totals. (a
4A.	Components of communication.			
4B.	Randomized control trials.			
4C.	Clinical features of measles.			
4D.	Types of accidents.			
4E.	Infant Mortality Rate (IMR).			
4F.	Complications after male sterilization	n.		
4G.			uterine device) candidate	
			4290	$(5\times7=35 \text{ marks})$
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SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION – MAY 2011 SUBJECT: COMMUNICATION AND EDUCATIONAL TECHNOLOGY (BSN 206)

		Frida	ay, May 20, 2011
Time	e: 10:00 – 13:00 Hrs.		Max. Marks: 75
K	Answer ALL the question	s.	
1.	Choose the single best ans	wer for th	e following:
1 Δ	The art of influencing people	le without	the use of force is referred as:
17.	a) persuasion	b)	counseling
	c) information	d)	motivation
1B.	The ability to see beyond of point of view is referred to		havior and to understand the situation from the client's
	a) empathy	b)	genuineness
	c) rapport	d)	trust
1C.	Norming is one of the stage	e in:	
	a) communication	b)	counseling
	c) group dynamics	d)	social behavior
1D.	The individuals who threate	ens the gro	up morale, but can raise necessary concerns are called
	a) independent	b)	follower
	c) mentor	d)	pessimist
1E.	In motivation, student tryi	ing to rea	d poetry and reading itself gives him pleasure is an
	a) extrinsic	b)	intrinsic
	c) primary	d)	secondary
1F.	A type of A.V. aid which is type of class room experien		from its natural setting into the class room to supply the d as:
	a) exhibition	b)	model
	c) object	d)	specimen
1G.	A problematic act carried o	ut in its na	tural setting is called:
	a) demonstration	b)	exhibition
	c) project	d)	role play
1H.	An affectionate relationship	in which	the sexual elements does not enter is referred to as:
	a) kinship	b)	casual relationship
	c) platonic love	d)	soulmate
1I.	A test not only measures wh	nat it is sup	opose to measure but also measures it accurately is:
	a) evaluation	b)	measurement
	c) reliability	d)	validity

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	m				
1J.	The learning which takes pl	lace by	formation of n	nental image o	n account of previous
	experience is called as:	L	mater		
	a) serial	b)	motor		
	c) concept	d)	paired		
1K.	Pragmatism recommends the f	followin	g method of teac	hing:	
	a) participatory approach	b)	questioning		
	c) demonstration	d)	role-playing		
IL.	The guidance offered to stude	nts for e	nabling them to a	adjust to their en	vironment is:
	a) personal	b)	vocational		
	c) educational	d)	social		
1M	The direct visualization of per	formano	re of a task or bel	navior is known	as.
1171.	a) attitude scale	b)	observation	action is known	43.
	c) rating scale	d)	validity		
			A CONTRACTOR		
1N.	Working for better grade or ho			example for:	
	a) extrinsic	b)	intrinsic		
	c) incentive	d)	restrictive		
10.	The desire within an individua	al which	prompts him to	action is referred	d to as:
	a) motivation	b)	belongingness		
	c) decision	d)	attitude		
					$(1 \times 15 = 15 \text{ marks})$
9	Double commission and a	41 C-11	anina kaadinaa		
2.	Explain communication under Definition	the foli	owing neadings.		
2A. 2B.	Purpose				
2C.	Techniques				
20.	rechinques				(2+3+7 = 12 marks)
3.	Explain problem based learning	ng under	the following he	eadings.	
3A.	Definition		en language		
3B.	Principles				
3C.	Role of the members				
					(1+2+10 = 13 marks)
					The same of the
4.	Write short notes on the foll	owing:			
4A.	Types of assignments.				
4B.	Maxims of teaching with exar	nples.			
4C.	Principles of team work.				
4D.	Stages of interpersonal relatio				
4E.	Characteristics of guidance an	d couns	eling.		
4F.	Uses of chalkboard.				
4G.	Features of essay questions.				(5)7 - 25
					$(5\times7=35 \text{ marks})$
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D. N				
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MANIPAL UNIVERSITY

SECOND YEAR B.Sc. NURSING DEGREE EXAMINATION - MAY 2011 SUBJECT: MEDICAL SUBGICAL NURSING - L (BSN 202)

	SUBJECT: MI	EDICAL S	SURGICAL NURSING - I (BSN 202)				
		Tueso	day, May 24, 2011				
Tim	e: 10:00 – 13:00 Hrs.		Max. Marks: 75				
Ø	Answer ALL the question	s and give	illustrations wherever necessary.				
1. Choose the single best answer for each of the following:							
1A.	Alpha -1-antitrypsin deficiency occurs in which of the following condition?						
	a) Bronchiectasis	b)	Bronchogenic cancer				
	c) Emphysema	d)	Empyema				
1B.	Symptoms of hyponatraemia develops when the serum sodium level falls below -						
	a) 140 meq/l	b)	130 meq/l				
	c) 120 meq/l	d)	100 meq/l				
1C.	Steatorrhea is a common manifestation of						
	a) Ulcerative colitis	b)	Gastroenteritis				
	c) Malabsorption	d)	Cholecystitis				
1D.	The principal direction of d	lepolarizati	ion is more towards which among the following lead?				
	a) Lead I	b)	Lead II				
	c) Lead III	d)	Lead IV				
1E.	Urolithiasis refers to the presence of calculi in the						
	a) Kidney	b)	Ureter				
	c) Urinary bladder	d)	Urinary system				
1F.	Orchitis is inflammation of the -						
	a) Penis	b)	Prostate				
	c) Scrotum	d)	Testes				
1G.	A circumscribed, elevated lesion filled with liquid or semi-solid contents, more than 0.5 cm in						
	diameter is termed as -						
	a) Bullae	b)	Cyst				
	c) Macule	d)	Vesicle				
1H.	Red, raised patches of skin with silvery scales is a characteristic feature of -						
	a) Eczema	b)	Impetigo				
	c) Pemphigus	d)	Psoriasis				
1I.	Partial dislocation of joint is termed as						
	a) Dislocation	b)	Sprain				
	c) Strain	d)	Subluxation				
1J.	HIV/AIDS is NOT transmi	tted by:					
	a) Blood transfusions	b)	Organ or tissue transplant				
	c) Sharing toilets	d)	Use of contaminated needle				

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	a) G	oblet cells	b)	Macrophages			
		latural killer (NK) cells	d)	T cells			
	0) 1.	atural kiner (IVIX) cens	4)	1 00115			
1L.	Tuberc	ulin reaction consist of					
		Erythema and Induration	b)	Erythema and ulceration			
	c) (Ilceration and vesicle	d)	Vesicle and induration			
1M.	Incubation period of poliomyelitis is						
	a) 7	-14 days	b)	9-16 days			
	c) 1	1-19 days	d)	15-20 days			
1N.	All of the following drugs are used as pre-anesthetic medication EXCEPT						
	a) A	Atropine	b)	Diazepam			
	c) N	Morphine	d)	Vecuronium			
10.	The dr	ugs that are administered p	orior t	to surgery is termed as -			
		nduction	b)	Premedication			
	c) P	rophylaxis	d)	Vaccination			
				$(1 \times 15 = 15 \text{ ma})$	rks)		
2.	Write	short notes for the follow	ing:				
2. 2A.		short notes for the follow ement of hyponatremia	ing:				
	Manage	ement of hyponatremia		pper respiratory tract infections			
2A.	Manage Health Pathop	ement of hyponatremia education on management hysiological changes of ac	t of up	ia			
2A. 2B. 2C. 2D.	Manage Health Pathop Clinica	ement of hyponatremia education on management hysiological changes of ac al manifestations of Benigr	t of up chalas	ia			
2A. 2B. 2C. 2D. 2E.	Manage Health Pathop Clinica Classif	ement of hyponatremia education on management hysiological changes of ac al manifestations of Benigr fication of diabetes insipide	t of up chalas n Pros	ia			
2A. 2B. 2C. 2D. 2E. 2F.	Manage Health Pathop Clinica Classif Medica	ement of hyponatremia education on management hysiological changes of ac al manifestations of Benigr fication of diabetes insipida al management of psoriasis	t of up chalas n Pros	ia			
2A. 2B. 2C. 2D. 2E. 2F.	Manage Health Pathop Clinica Classif Medica	ement of hyponatremia education on management hysiological changes of ac al manifestations of Benigr fication of diabetes insipide	t of up chalas n Pros	static Hyperplacia			
2A. 2B. 2C. 2D. 2E. 2F.	Manage Health Pathop Clinica Classif Medica	ement of hyponatremia education on management hysiological changes of ac al manifestations of Benigr fication of diabetes insipida al management of psoriasis	t of up chalas n Pros	ia	rks)		
2A. 2B. 2C. 2D. 2E. 2F. 2G.	Manage Health Pathop Clinica Classif Medica Types	ement of hyponatremia education on management hysiological changes of ac al manifestations of Benigration of diabetes insipide al management of psoriasis of anaesthesia	t of up thalas n Pros us	static Hyperplacia $(5 \times 7 = 35 \text{ ma})$			
2A. 2B. 2C. 2D. 2E. 2F.	Manage Health Pathop Clinica Classif Medica Types	ement of hyponatremia education on management hysiological changes of act manifestations of Benigration of diabetes insipide al management of psoriasis of anaesthesia	t of up thalas n Pros us s	static Hyperplacia $(5\times7=35 \text{ ma})$ dmitted to the CCU with the complaints of exertic	onal		
2A. 2B. 2C. 2D. 2E. 2F. 2G.	Manage Health Pathop Clinica Classif Medica Types	ement of hyponatremia education on management hysiological changes of act al manifestations of Benigration of diabetes insipidal management of psoriasis of anaesthesia aghunath, 50 years of age as, swelling of the lower ear,	t of up chalas n Pros us s	static Hyperplacia $(5 \times 7 = 35 \text{ ma})$ dmitted to the CCU with the complaints of exertionities, fatigue, irregular heart rhythm, dizziness and	onal		
2A. 2B. 2C. 2D. 2E. 2F. 2G.	Manage Health Pathop Clinica Classif Medica Types Mr. Ra dyspne diagno	ement of hyponatremia education on management hysiological changes of act al manifestations of Benigratication of diabetes insipide al management of psoriasis of anaesthesia eaghunath, 50 years of age as, swelling of the lower essed to have Cardiomyopath	t of up chalas n Pros us s e is ac extrer thy. C	static Hyperplacia $(5 \times 7 = 35 \text{ ma})$ dmitted to the CCU with the complaints of exertionities, fatigue, irregular heart rhythm, dizziness an onsidering the situation answer the following:	onal		
2A. 2B. 2C. 2D. 2E. 2F. 2G.	Manage Health Pathop Clinica Classif Medica Types Mr. Ra dyspne diagnot Explain	ement of hyponatremia education on management hysiological changes of act al manifestations of Benigration of diabetes insipide al management of psoriasis of anaesthesia eghunath, 50 years of age as, swelling of the lower essed to have Cardiomyopath the types of Cardiomyopath	t of up thalas n Pros us s e is ac extrer hy. Co	static Hyperplacia $(5 \times 7 = 35 \text{ ma})$ dmitted to the CCU with the complaints of exertionities, fatigue, irregular heart rhythm, dizziness an onsidering the situation answer the following:	onal		
2A. 2B. 2C. 2D. 2E. 2F. 2G.	Manage Health Pathop Clinica Classif Medica Types Mr. Ra dyspne diagnot Explain	ement of hyponatremia education on management hysiological changes of act al manifestations of Benigratication of diabetes insipide al management of psoriasis of anaesthesia eaghunath, 50 years of age as, swelling of the lower essed to have Cardiomyopath	t of up thalas n Pros us s e is ac extrer hy. Co	static Hyperplacia $(5 \times 7 = 35 \text{ ma})$ dmitted to the CCU with the complaints of exertionities, fatigue, irregular heart rhythm, dizziness an onsidering the situation answer the following:	onal is		
2A. 2B. 2C. 2D. 2E. 2F. 2G.	Manage Health Pathop Clinica Classif Medica Types Mr. Ra dyspne diagnot Explain	ement of hyponatremia education on management hysiological changes of act al manifestations of Benigration of diabetes insipide al management of psoriasis of anaesthesia eghunath, 50 years of age as, swelling of the lower essed to have Cardiomyopath the types of Cardiomyopath	t of up thalas n Pros us s e is ac extrer hy. Co	static Hyperplacia (5×7 = 35 ma) dmitted to the CCU with the complaints of exertionities, fatigue, irregular heart rhythm, dizziness and onsidering the situation answer the following: ized health problems.	onal is		

1K. Which one of the following cells is NOT directly involved in protecting the body from

4A. Levels of amputation

4B. Stump care

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(6+6 = 12 marks)