No. of Printed Pages: 12

MCC-003

POST GRADUATE DIPLOMA IN CLINICAL CARDIOLOGY (PGDCC)

Term-End Examination

June , 2010

MCC-003: COMMON CARDIOVASCULAR DISEASES - I

Time: 2 hours Maximum Marks: 60

Note:

- (i) There will be multiple choice type of questions in this examination which are to be answered in OMR Answer Sheet.
- (ii) All questions are compulsory.
- (iii) Each question will have four options and only one of them is correct. Answers have to marked in figures in the appropriate rectangular boxes corresponding to what is the correct answer and then blacken the circle for the same number in that column by using HB or lead pencil and not by ball pen in OMR Answer Sheet.
- (iv) If any candidate marks more than one option it will be taken as the wrong answer and no marks will be awarded for this.
- (v) Erase completely any error or unintended marks.
- (vi) There will be 90 questions in this paper and each question carries equal marks.
- (vii) There will be no negative marking for wrong answers.
- (viii) No candidate shall leave the examination hall at least for one hour after the commencement of the examination.

1.	Bloo	od pressure of 124/84 mmHg is cla	assified	d according to JNC VII as:						
	(1)	Stage 1 HTN	(2)	Pre Hypertension						
	(3)	White Coat HTN	(4)	Normal Blood Pressure						
2.	All are true about auscultatory gap except :									
	(1)	Mistakenly high BP is measured	l							
	(2)	Its the difference of BP between first appearance of Korotkoff sounds and the one at lower levels								
	(3)	Elevate cuff pressure high beyond disappearance of brachial pulse								
	(4)	Does not affect measurement of	diasto	lic BP						
3.	Sour	nds that we hear during the meas	ureme	nt of BP are called :						
	(1)	Korotkoff sounds	(2)	Anitiskov sounds						
	(3)	Pistol sounds	(4)	Traubes sounds						
4.	All	are causes of secondary Hyperten	sion ex	ccept :						
	(1)	Renal Parenchymal disease	(2)	Renovascular disease						
	(3)	Coarctation of Aorta	(4)	Hypopituitarysm						
5.	Commonest cause death in chronic uncontrolled Hypertension patients :									
	(1)	Cadiovascular causes	(2)	Cerebrovascular causes						
	(3)	Renal failure	(4)	Peripheral vascular disease						
6.		What level of BP would you aim for in treating hypertension in Renal failure patients :								
	(1)	< 130/80 mmHg	(2)	< 140/90						
	(3)	< 150/90	(4)	No specific levels						
7.	All	All are true about Hypertensive urgency except :								
	(1)									
	(2)	,								
	(3)	Does not always need ICU admission								
	(4)	Needs prompt control of BP								
8.	Keit	h - Wagner classification describe	es :							
	(1)	Grade of proteinuria in HTN N		pathy						
	(2)	Retinal changes in HTN patient	s							
	(3)	Doppler signs in Reno vascular	HTN 1	patients						
	(4)	•								

,	(1)	Class I (2) Class II		(3) Class III (4) Class IV
10.	All a (1) (2) (3) (4)	Heart failure Except Heart failure can occur with pres Symptoms worsen with advancin Precipitating causes of heart failu Renin-Angiotensin-Aldosterone sy	erved g NY re nee	HA class III ed to be excluded
11.			to dif	ferentiate acute LVF from acute asthma in
	eme: (1)	rgency setup : Plasma BNP levels	(2)	Chest x-ray
	(3)	2D ECHO	(4)	PFT "
12.	All t (1) (2) (3) (4)	the following are true about atheronests mostly intimal and subintimal. It contains foam cells, collagen, so The earliest form-Fatty streak starts highly localized to a specific version.	in dis nooth ts in	stribution n muscle etc early childhood
13.	All a (1) (3)	are risk factors for CAD except : Female sex Age	(2) (4)	Tobacco consumption Sedentary lifestyle
14.	All a (1) (3)	Pre menstrual women	(2) (4)	OC pills with high estrogen Hyperlipidemia
15.	All a (1) (3)	are primary preventive trials except WOSCOPS HPS *	(2) (4)	AFCAPS/TEXCAPS 4 S
16.	All (1) (3)	of the following are HMG Co-A rec Atorvastatin Simvastatin	luctas (2) (4)	se inhibitors except : Ezetemibe Fluvastatin
17.	All a (1) (2) (3) (4)	Statins are required only if LDL is Therapeutic life style is advised to Having diabetes is a CAD equiva Insulin resistance is the main caus	s mor all re lent	e than 100 mg/dl egardless of LDL levels

18.	Best	drug to increase HDL:						
	(1)	Simvastatin	(2)	Nicotinic acid				
	(3)	Ezetemibe	(4)	Bile acid sequestrants				
19.	Com	nmonest cause of death in India :						
	(1)	CAD	(2)	Ceribrovascular disease				
	(3)	Accidents	(4)	Cancers				
20.	All a	are true about Acute MI except : ,						
	(1)	Levine sign may be positive						
	(2) 50% mortality before Hospitalization							
	(3)	Early recognition and prompt tre	atmei	nt is key to success				
	(4)	Killip class IV patients are most s	stable					
21.	ST e	elevation in ECG in leads V1 to V3	denot	res:				
	(1)	Antero Septal MI	(2)	Extensive anterior wall MI				
	(3)	Lateral or apical MI	(4)	Inferior wall MI				
22.	The earliest enzyme to rise in plasma after acute MI is :							
	(1)	Troponin T	(2)	Troponin I				
	(3)	Myoglobin	(4)	CKMB				
23.	All are true about Troponin I in Acute MI except :							
	(1) Its a cardiac specific Biomarker							
	(2) Maximal activity reached by 24-36 hrs							
	(3)	3) Return to normal levels by 48-72 hrs						
	(4)	Both slide test and quantative an	alysis	are available				
24.	All a	are true about streptokinase infusio	on in	acute MI except :				
	(1)							
	(2)							
	(3)	(3) Pregnancy is a relative contraindication						
	(4)	Hypotension is not uncommon d	uring	initial infusion				
25.	All a	are absolute contraindication for Tl	hroml	polysis in Acute MI except :				
	(1)	In a prior intracranial bleed	(2)	Ischemic stroke three months				
	(3)	Active peptic ulcer	(4)	Presence of intracranial tumors				

26.	All are features of cardiogenic shock except:					
	(1) Cold clammy peripheries					
	(2) Systolic BP less than 80 mmHg					
	(3) Cardiac index less than 1.8 L/mt/m2					
	(4) PCWP less than 18 mmHg					
27.	All are true about cardiac rupture in post MI patients except:					
	(1) More common in first MI					
	(2) More common in elderly male					
	(3) More common in Hypertensive without LVH					
	(4) Usually occurs in first - Second week post MI					
28.	All are true about STK infusion in acute MI except:					
	(1) Given as infusion over 30-45 minutes					
	(2) Repeat dose can be given in the second week					
	(3) Ineffective in cardiogenic shock					
	(4) Indicated up to 12 hrs in acute anterior wall MI					
29.	Largest Endocrine organ in the body :					
	(1) Liver (2) Pancreas					
	(3) Endothelium (4) Pituitary gland					
30.	Following are the modifiable risk factors for CAD except:					
	(1) Hypotension					
	(2) Deletion Polymorphism in the ACE gene					
	(3) Diabetes Mellitus					
	(4) Hyperlipedemia					
31.	Prinzmetal's Angina is:					
	(1) Vasospastic Angina (2) Unstable Angina					
	(3) Post MI Angina (4) Micro Vascular Angina					
32.	IV Adenosin is usually indicated in:					
	(1) SVT (2) VT					
	(3) Atrial Flutter (4) Atrial Fibrillation					
33.	Cardiac lesions that can produce cyanotic spells except:					
	(1) Truncus Arteriosis [omega-longue](2) (2) Tetralogy of Fallot [one-longue]					
	(3) DORV with VSD and PS (4) TGA with VSD and PS					

34.	All a	are true about management of cyar	notic s	pell except :
	(1)	Oxygen inhalation	(2)	Subcutaneous morphine
	(3)	Knee chest position	(4)	IV Digoxin
35.	Conf	firmation of diagnosis of Pulmonar	v Emł	polism is by :
	(1)	VQ scan	(2)	Elisa D-dimer assay
	(3)	Pulmonary angiography	(4)	Chest x-ray
36.	All a	are true about pulmonary embolisn	n exce	pt:
	(1)	Frequently undiagnosed medical	emerg	gency
	(2)	Massive PE can cause Shock		
	(3)	Rarely presents as pulmonary int	fractio	n
	(4)	ECG and X-ray are diagnostic		
37.	All a	are true about Hypertensive urgeno	cies ex	cept :
	(1)	Acute severe elevation of BP up t	o 200	mmHg systolic
	(2)	There is ongoing target organ dy	sfunct	ion
	(3)	BP can be controlled in 24-72 hrs		
	(4)	They can be managed with oral of	drugs	at home
38.	All a	are features of cardiac tamponade	excep	t :
		Kussmal's sign positive	_	Dysponea and Tachycardia
	(3)	Pulsus Paradoxus present	(4)	Develops Slowly over many weeks
39.			have	mortality benefit in chronic Heart Failure
	(1)	ents : ACE inhibitors	(2)	IV Frusemide
	(3)	Oral Digoxin	(4)	Intermitent Ionotropic support
	(3)	Orai Digoxiii	(4)	mermitent fonotropic support
40.	All a	are features of Acute Pulmonary E	dema	except :
	(1)	Pink frothy sputum	(2)	Pulsus paradoxis
	(3)	Crepitations over lung fields	(4)	Bat's wing edema on Chest X-ray
41.	Mos	t favored drug in ventricular tachy	cardi	a :
	(1)	IV Amiodarone	(2)	IV Lignocine
	(3)	IV Procanamide	(4)	IV Sotalol
42.	One	of the following is a phosphodiest	erace	inhibitor :
	(1)	Phenylephrine	(2)	Isoproteremol
	(3)	Milrinone	(4)	Dopamine
				_

	(1)	Isolated Posterior Wall MI is rare Diagnosis can be missed if ECG is not p	properly analyzed
	(2)		property analyzed
	(3)	RS ratio in V1 is ≥ 1 ST elevation in V3 R-V4 R	
	(4)	ST elevation in V3 K-V4 K	
44.	A11 a	are true about ventricular remodeling after	er MI except :
	(1)	Denotes change in size, shape or config	-
	(2)	It is a heterogeneous and regional proce	
	(3)	Can lead to thinning of myocardium ar	nd aneurysm
	(4)	ACE inhibitors worsen this condition	
4 =	77.11.	on order to the control of the contr	
45.		lip Class IV in Acute MI denotes :	MI with cardingonia shock
	(1)	MI with pulmonary edema (2) MI with complete heart block (4)	MI with cardiogenic shock MI ineligible for thrombolysis
	(5)	will will complete heart block (4)	managed to another the second
46.	Idea	al treatment for acute ST elevation MI wit	h window period of 2 hrs is:
	(1)	Refer to a centre with a primary PCI fa-	cility
	(2)	Prompt thrombolysis	
	(3)	Institute ACLS protocol	
	(4)	Intravenous heparin	
47.	A11 :	are treatment options for acute inferior M	II with complete heart block except:
	(1)	IV Atropine (2)	Temporary pacing
	(3)	IV beta blockers (4)	Primary PCI
	, ,		
48.	Foll	lowing is true about statin therapy in diab	
	(1)	All diabetics should be given statins irre	
	(2)	Statins given only if LDL is more than 1	
	(3)	Statins is given only if LDL is > 130 mg	/dl
	(4)	Statins given only if CAD is associated	
49.	Ant	terior two thirds of the inter ventricular se	eptum is supplied by :
	(1)	Left anterior decending artery (2)	
	(3)	Posterio decending artery (4)	Conus artery
50.	Nor	rmal Blood pressure according to the JNC	VII classification :
	(1)		< 130/80 mmHg
	(3)		< 110/70 mmHg
	. /		

43. All are true about posterior wall MI except:

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51.	All an (1) (3)	re true about Digoxin in Heart Fail Useful in diastolic heart failure Decrease no. of hospitalization	(2) (4)	xcept : Not proved to decrease mortality rate Improves quality of life	
52.	Follow (1) (3)	wing investigations are done on th LFT and CPK Renal function tests and CPK	(2) (4)	ow up in patients receiving statins : LFT and CPKMB BNP and CPKMB	
53.	All fo (1) (2) (3) (4)	ollowing are true about beta blocker "Start Low go slow" Mortality benefit present Increase the dose with worsening Both Bisoprolol and Metoprolol and	Hear	t Failure	
54.	All at (1) (2) (3) (4)	re X-ray features of pulmonary thr Elevated dome of diaphragm Bats wing type edema Wedge shaped shadow in the per Normal Chest X-ray			
55.	(1) (2) (3) (4)	Left fourth inter costal space mid Left fifth inter costal space mid cl Left fourth parasternal space Between V2 and V4 chest leads	clavio	cular line	
56.	Dopa (1) (3)	amine and Dobutamine are : Beta adrenergic agonists Phosphodiesterase inhibitor	(2) (4)	Synthetic catecholamine Pure alpha agonists	
57.	All are true about smoking and CAD except: (1) Single most preventable cause of death (2) Second hand smoke does not cause CAD (3) Risk of cardiac death is 2-4 times greater in current smokers than non-smokers (4) Smoking activates platelets and increases fibrinogen				
58.	All a (1) (3)	re relative contraindications for th Pregnancy Active peptic ulcer	rombo (2) (4)	olytic therapy in acute MI except : Major surgery < 3 weeks Prior intracranial hemorrhage	

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59.	All a	All are features of Heart Failure except:							
	(1)	Fatigue and weakness	(2)	Nocturia					
	(3)	Hemoptysis	(4)	Yellow vision					
60.	All a	are side effects of ACE inhibitors e	xcept						
	(1)	Angio Edema	(2)	Hyperkalemia					
	(3)	Bradycardia	(4)	Hypotension					
61.	Bloo	d pressure of 140/90 mmHg is cla	ssified	d under what stages of JNC VII :					
	(1)	Stage 1 HTN	(2)	Stage 2					
	(3)	Pre Hypertension	(4)	Unclassifiable					
62.		olic Blood Pressure range of Pre- dification as :	Нуре	rtension is defined according to JNC VII					
	(1)	130-139 mmHg	(2)	120-139 mmHg					
	(3)	110-130 mmHg	(4)	None of the above					
63.	All a	are true about ideal recording of B	lood T	Pressure except :					
	(1)								
	(2)	Pregnant women's BP should no	t be cl	necked in lying down position					
	(3)	BP checked after mild exercise is	more	reliable than that done at rest					
	(4)	Width of the BP cuff must be at	least 4	10% of the circumference of the arm					
64.	Aus	cultatory gap can be best described	d as:						
	(1)	No. of days lapsed after the last	BP rec	cording					
	(2)								
	(3)	Difference of BP between two he	ealth v	vorkers about the same patient					
	(4)	Long time gap between two succeday	essive	BP recordings in the same patient in same					
65.	All a	are causes of secondary Hypertens	ion ex	ccept:					
	(1)	Addison's disease	(2)	Cushing's syndrome					
	(3)	Conn's syndrome	(4)	Pheochromocytoma					
66.	All a	are causes of secondary hypertensi	ion ex	cept :					
	(1)	Renal Parenchymal disease	(2)	Renal Artery stenosis					
	(3)	Sheehan's syndrome	(4)	Eclampsia/Pre-eclampsia					

67.	All a	are complications of long standing						
	(1)	S3/S4 gallop	(2)	LVH				
	(3)	Heart failure	(4)	Aortic Stenosis				
58.	Con	nmonest cause of death in patients	with	untreated severe BP :				
	(1)	CAD & Heart Failure						
	(2)	CVA						
	(3)	CKD & renal failure						
	(4)	Abdominal Aortic Aneurysm wi	th rup	oture				
69.	All a	are treatment options for HTN emo	ergeno	cies except :				
	(1)	Sublingual Captropil	(2)	Sublingual Nifedipine				
	(3)	I.V Lasix	(4)	I.V Labetelol				
70.	Dru	gs to be avoided in pregnancy ind	uced l	HTN with Pre eclampsia :				
	(1)	I.V Diuretics	(2)	ACE inhibitors				
	(3)	Both	(4)	None				
71.	Foll	Following merits classification under isolated systolic HTN:						
	(1)	Systolic BP > 140 mmHg & Diast		·				
	(2)	Systolic BP > 130 mmHg & Diast	olic B	P < 80 mmHg				
	(3)	Systolic BP > 150 mmHg & Diast	olic B	P < 90 mmHg				
	(4)	None of the above						
72.	Goa	l of BP in HTN with DM/CKD:						
	(1)	< 130/80 mmHg	(2)	< 120/90 mmHg				
	(3)	< 140/80 mmHg	(4)	< 130/90 mmHg				
73.	Sym	aptoms of Heart Failure includes al	l exce	pt:				
	(1)	Dyspnoea	(2)	Anasarca				
	(3)	Cough/Hemoptysis	(4)	PND				
74.	All	are true about Hypertensive urgen	cy exc	cept :				
	(1)	BP is very high						
	(2)	Needs prompt control of BP						
	(3)	Does not always need ICU admi	ssion					
	(4)	There is always ongoing target of	organ	damage				

75. All are true about Heart Failure Except:								
	(1) Heart failure can occur with preserved LV ejection fraction							
	failure							
	(3)	Precipitating causes of heart failu	re nee	ed to be excluded				
	(4)	Symptoms worsen with advancing	ig NY	HA class III				
76.	All a	re secondary prevention trials invo	olving	statins except :				
	(1)	4 S (2) HPS		(3) LIPID	(4) CARE			
					1 .			
77.	All a	re HMG CoA reductase inhibitors	excep	t:				
	(1)	Simvastatin	(2)	Lovastatin				
	(3)	Rosuvastatin	(4)	Fenofibrate				
		v up in patients receiving statins:						
78.	Killij	Classification is meant to assess s	everit	y of:				
	(1)	Acute MI	(2)	Acute Decompensated Heart Failure				
	(3)	Ventricular Arrhythmias	(4)	Out comes after PCI				
79.	All a	re routine drugs that are used dur	ing in	umediate Post MI perio	od except:			
	(1)	High dose statins	(2)	Calcium channel bloo	ckers			
	(3)	Beta Blockers	(4)	ACE inhibitors				
80.	Mecl	nanism of action of Milerenone giv	en du	ring heart failure man	agement is :			
	(1)	Beta adrenergic stimulation	(2)	nadias) zastoći sakot				
	(3)	Inhibition phosphodiesterase	(4)	Late sodium channel				
	` '	lajor surgery < 3 weeks	4) (4					
81. All are indicated in pregnancy induced Hypertension except :								
	(1)	Beta blockers	(2)	ACE inhibitors				
	(3)	hrombolytics acits acits and library bases	(4)	Calcium channel bloo	ckers			
0.0								
82.		treatment for acute ST elevation	VII WII	n window period of 2	hrs is:			
	(1)	Prompt thrombolysis						
	(2)	Institute ACLS protocol	icular	er i bacernil day				
	(3)	Refer to a centre with a primary	PCI fa	cility				
	(4)	Intravenous heparin						
83.	Morl	bid obesity is defined in men and v	vomei	respectively at what	BMI levels ·			
	(1)	31.1 & 32.3	(2)	30.1 & 31.3				
	(3)	28.1 & 31.3	(4)	35.3 & 38.3				
	(0)	20.2 60 02.0	(1)	00.0 00.0				

84.	Paroxysmal nocturnal dyspnoea is a classical symptom of: (1) Acute left heart failure							
	(2)	Uncontrolled hypertension						
	(3)	Constrictive pericarditis						
	(4)	Pulmonary thromboembolism						
85.	All	are ECG features of pulmonary thr	ombo	embolism except :				
	(1)	LBBB						
	(2)	S1, Q3, T3 pattern						
	(3)	ST-T changes in V1-V3 and infer	ior lea	ads				
	(4)	Normal ECG						
86.	Follo	owing investigations are done on tl	ne fol	low up in patients receiving statins :				
	(1)	BNP and CPKMB	(2)	Renal function tests and CPK				
	(3)	LFT and CPKMB	(4)	LFT and CPK				
			, ,					
87.	All are true about Digoxin in Heart failure except:							
	(1)	Dose need to be adjusted according to serum creatinine						
	(2)	May not be useful in diastolic hea	art fai	llure				
	(3)	Decreased Hospitalization rate						
	(4)	Decreases Mortality						
88.	All are relative contraindications for thrombolytic therapy in acute MI except:							
	(1)	Pregnancy	(2)	Prior intracranial hemorrhage				
	(3)	Active peptic ulcer	(4)	Major surgery < 3 weeks				
	(0)		(-)					
89.	All are given for the treatment of unstable Angina except:							
	(1)	Antiplatelets	(2)	Thrombolytics				
	(3)	Statins	(4)	Anti thrombotics				
90.	Cor	rect position of V3 chest lead while	takir	ng ECG ·				
, , ,	(1)	Between V2 and V4 chest leads	· takii	ig Ecci .				
	(2)	Left fifth inter costal space mid c	lavica	ılar line				
	, ,	•						
	(3)	Left fourth inter costal space mid	Clav	iculai IIIle				
	(4)	Left fourth parasternal space						
•								