POST GRADUATE DIPLOMA IN CLINICAL CARDIOLOGY (PGDCC)

00575

Term-End Examination

June, 2012

MCC-006: CARDIO VASCULAR EPIDEMIOLOGY

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 Sheets.
- (ii) All questions are compulsory.
- (iii) Each question will have four options and only one of them is correct. Answers have to be 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 Sheets.
- (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) There will be 90 questions in this paper and each question carries equal marks.
- (vi) There will be no negative marking for wrong answers.
- (vii) No candidate shall leave the examination hall at least for one hour after the commencement of the examination.

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1.	All of the following are Factors for Atheroscletrotic except:											
	(1)	Increased waist hip rati	o (2))	Нур	er homo cysteine	mia					
	(3)	Decreased fibrinogen le	vel (4))	Decr	eased HDL level						
2.	Best	predictor for future risk	of the cardiov	/as	cular	events, amongst	the fo	ollowing is :				
	(1)	Hs CRP (2) I	.ipoprotein 'a	ı′	(3)	Homocystine	(4)	Interleukin - 6				
3.	Ami	no acid associated with a	therosclerosis	s is	s:							
	(1)	Lysine (2) I	Homocysteine	<u> </u>	(3)	Cysteine	(4)	Alanine				
4.	Risk	Factors for CAD is:										
	(1)	High HDL	(2))	Deci	eased Lipoprotei	in					
	(3)	Decreased fibrinogen le	vel (4))	Incre	eased Homocyste	ine le	vel				
5.	Pred	lisposing factors for CAD	include all e	xce	ept:							
	(1)	Homocysteinemia	(2))	↑ Li	poprotein B						
	(3)	↑ Fibrinogen	(4))	↑Ple	osminogen activa	tor In	hibitor - 1				
6.	Which of the following increases the susceptibility to CAD:											
	(1)	Type V Hyper lipo prot	einemia (2))	Von	willbrand's disea	ase					
	(3)	Nephrotic syndrome	(4))	SLE							
7.		n old patient, the best Inc	licator of pro	bal	bility .'	of developing ca	ardiov	ascular disease can				
	(1)	LDL/HDL ratio	(2))	Trig	lycerides						
	(3)	Total Cholesterol	(4))	Seru	m LDL						
8.	Mos	st important predictor of (CAD is :									
	(1)	VLDL (2)	LDL		(3)	Chylomicrons	(4)	LDL/HDL				

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9. Framingham risk score include all except :										
	(1)	Total (or) LD	L Choles	sterol	(2)	Hist	ory of diabetes			
	(3)	Gender			(4)	Lipo	protein levels			
10.	Whi	ch among thes	se fat sub	stance is n	ot har	mful ?				
	(1)	Mono unsatu	ırated fa	tty acid	(2)	Satu	rated fatty aci	d		
	(3)	Trans fatty a	cid		(4)	Ome	ega 3 unsatura	ted fatty	acid	
11.		of the followir		y goals are	recon	nende	d for patients	with hig	h risk or	coronary
	(1)	LDL choleste	erol < 100	Omg/dl	(2)	Satu	rated fat < 7%	of total	calories	
	(3)	Salt restriction	on < 6gm	ı/day	(4)	Avo	id alcohol			
12.		ntment with O	mega - 3	- poly uns	saturat	ted fat	ty acid, will h	ave the f	following	effect on
	(1)	↑LDL,↑tota	l cholest	erol	(2)	↓LI	DL, †total cho	lesterol		
	(3)	↓LDL,↑HD	L total cl	holesterol	(4)	↑LI	DL, ↓HDL			
13.	Mos	et common site	of MI is	:				•		
	(1)	Anterior wal	l of LV		(2)	Posterior Wall of LV				
	(3)	Inferior Wall	of LV		(4)	Righ	nt Ventricle	•		
14.	Leas	st common site	of occlu	sion of an	artery	is:				
	(1)	LAD	(2)	RCA		(3)	LCX	(4)	OM	
15.	12 -	lead ECG is p	oor in de	tecting isch	nemia	in area	as supplied by	which v	essel :	
	(1)	LAD	(2)	LCX		(3)	LCA	(4)	RCA	
16.	Whi	Which of the following ECG lead is m				nsitive	e in detecting i	ntra opei	rative isch	iemia ?
	(1)	Lead I	(2)	Lead II		(3)	V_2	(4)	V_5	
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9.

17.		years old man pri iography showed			-			`	gnosed as acute MI, nfarct is :	
	(1)	Anterior Wall			(2)	Post	terior Wall			
	(3)	Inferior Wall			(4)	Sep	tum			
18.	In st	able angina :								
	(1)	CK - MB is eleva	ated							
	(2)	Troponin I is ele	evated	i						
	(3)	Cardiac Marker	s ren	nain unchar	nged					
	(4)	Myoglobin is ele	evated	1						
19.	Sym	metrical T - wave	inve	rsion in che	est lead	ds is s	een in :			
	(1)	Anterior Wall M	ΊI		(2)	Hyp	erkalemia			
	(3)	Sub-endocardia	l Infa	rct	(4)	Rest	rictive cardion	nyopath	y .	
20.	In M	II, Which enzyme	is ra	ised in 4-6 l	hours	and d	ecreased in 3-4	days:		
	(1)	SGOT	(2)	LDH		(3)	СРК	(4)	SGPT	
21.	Whi	ch of these enzym	nes is	not altered	in MI	?				
	(1)	Troponin	(2)	SGPT		(3)	СРК	(4)	SGOT	
22.	Patie	ent presents 12 ho	ours fo	ollowing a	MI, tes	st of c	hoice is :			
	(1)	LDH			(2)	Caro	diac troponins			
-	(3)	CPK			(4)	Мус	oglobin			
23.	Othe	er than myocardia	ıl dise	ease, Tropor	nin - T	is als	o elevated in :			
	(1)	Renal Disease	(2)	Lung Dise	ease	(3)	GI - disease	(4)	Liver Disease	
24.	CPK	- MB is preferred	d ove	r Troponins	in wh	nich of	f the following	:		
	(1)	Bed Side diagno	sis of	MI	(2)	POS	T - CABG			
	(3)	(3) Re - infarction within a week				Re- infarction within a month				

	(1)	Dilzem	(2) Nitrates		(3)	Proponalol	(4)	Verapamil
26.		_	its to EMD with Ce					ows ST depression of treatment :
	(1)	Immediate Thro	mbolysis					
	(2)	Lonservstive Ma	anagement only					
	(3)	Lonservative Ma	anagement and Pe	CI La	ter			
	(4)	Early PCI						
27.	Trea	tment of unstable	e angina all except	ts:				
	(1)	IV - Heparin		(2)	IV -	Nitrates		
	(3)	Head end eleva	tion and backrest	(4)	Anti	- Platelets		
28.		=	sents to EMD wit AWMI, Treatmen				hypoter	nsion. ECG shows
	(1)	IABP		(2)	Anti	Coagulation		
	(3)	High risk Thron	noboly s is	(4)	Prin	nary Angioplas	ty	
29.		ear old patient	presents with u	nstab	le an	gina. Which	of these	e treatment is not
	(1)	Nitroglycerine o	drip	(2)	Asp	irin		
	(3)	Coronary Angi	ography	(4)	Stre	ptokinase		
30.			onic smoker prese I. Treatment of cl			est pain of 2 h	ours du	ration. ECG shows
	(1)	Thrombolysis	•	(2)	Prin	nary angiosplas	sty	
	(3)	IV - heparin		(4)	Elec	tive angioplast	y	
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25. Agent of First choice in an acute attack of prinzmetal angina is:

31.	Stre	ptokinase is contra - indicated in :									
	(1)	Intra Cranial Malignancy	(2)	Pulmonary Apoplexy							
	(3)	AV - Fistula	(4)	Thrombo Phlebitis							
32.	Pati	ent with acute Inf. Wall MI develo	ops sh	hock most likely cause is :							
	(1)	Cardiac Tamponade	(2)	Right Ventricular Infarct							
	(3)	Papillary muscle rupture	(4)	VSD - acquired							
33.	In a	patient with Acute Inf. Wall MI, I	oest m	nodality of treatment is :							
	(1)	Digoxin (2) Diuretics		(3) IV Fluids (4) Vasodilators							
34.	A no	·	oc ar d	dial infarction may be due to all of the following							
	(1)	Complete heart block	(2)	VSD							
	(3)	Mitral regurgitation	(4)	Ischemic cardiomyopathy							
35.	True about Dressles's syndrome is all except :										
	(1)	Occurs within a week after MI	(2)	Recurrence may be seen							
	(3)	Chest pain is common	(4)	Responds well to selicylates							
36.	Whi	ch of the following tests is used to	detec	ct reversible myocardial Ischemia ?							
	(1)	Angiography	(2)	Thallium scan							
	(3)	MUGA	(4)	TMT							
37.	Follo	owing MI, mortality and morbidity	of th	he patient is indicated by :							
	(1)	Ventricular extra systoles									
	(2)	LVEF									
	(3)	Percentage of narrowness of cor-	onary	y artery							
	(4)	TMT									

38.	Statins treatment following unstable angina is :										
	(1)	Primordial prev	entio	n	(2)	Prin	mary prevention				
	(3)	Secondary prev	entio	n	(4)	Tert	ciary prevention		·		
39.	Alce	ohol causes all exc	cept :								
	(1)	Holiday heart s	yndro	ome	(2)	Lowers HDL					
	(3)	Cardiomyopath	ıy		(4)	Hyp	pertension				
40.	Dru	gs useful in paties	nts wi	ith CCF are	all ex	cept :					
	(1)	Beta blockers	(2)	ACE -1		(3)	Aspirin	(4)	ARB		
41.	Majo	or risk factors for	CAD	are all exce	pt :						
	(1)	Hypertension	(2)	CRP		(3)	DM	(4)	Obesity		
42.	Higl	n risk for CAD as	per L	DL levels is	:						
	(1)	< 100mg/dl	(2)	< 160mg/c	il	(3)	≥160mg/dl	(4)	≥ 200mg/dl		
43.	NCE	EP recommendation	n for	total fat inta	ake fo	or ene:	rgy is :				
	(1)	5-0%	(2)	10-15%		(3)	15-30%	(4)	25-35%		
44.	New	er risk for CAD a	re all	except :							
	(1)	Oxidative stress	(2)	Drugs		(3)	Infection	(4)	LVH		
4 5.	All a	re non - modifiab	le risl	k factors exc	ept :						
	(1)	Age	(2)	Gender		(3)	Diet	(4)	Hereditary		
1 6.	Pren	nature CAD refers	to:								
	(1)	Men < 55, Wome	en < 6	55	(2)	Men	< 50, Women <	60			
	(3)	Men <60, Women	n < 70	0	(4)	Men	< 45, Women < 5	55			

47.	Incide	ncidence of CAD in rural area as per 2000 is:											
	(1)	3%	(2)	4 %		(3)	4.5%	(4)	5.5%				
48.	Incid	ence of CAD in	n urban	area in 200	0 is :								
	(1)	9%	(2)	10%		(3)	10.5%	(4)	11.5%				
49.	Maxi	imum CAD pre	evalence	e in urban a									
	(1)	Agra			(2)	Dell							
	(3)	Thiruvananth	apuran	n	(4)	Che	nnai						
50.	All a	are features of (CAD in	Indians exc				1					
	(1)	Higher morta	lity		(2)	_	her unstable						
	(3)	10 years earli	er onset	t	(4)	Sin	gle vessel dis	ease comn	non				
					.	•							
51.	Perc	entage of GDP	spent o	on health in	India		0/	(4)	20.0/				
	(1)	2%	(2)	5%		(3)	10%	(4)	20%				
						20	01						
52.	Mos	st important ca	use of d	leath in Ind	ia as p				To Continu				
	(1)	CVA	(2)	Trauma		(3)	CAD	(4)	Infection				
				,									
53.	Fat	ty streaks starts	at the			(0)	20	(4)	40				
	(1)	10	(2)	20		(3)	30	(4)	40				
54	. Bas	sis of atheroma			(0)	т.	: A the come						
	(1)	, -			(2)		oid theory						
	(3)	Both of the	above		(4)	No	one of the ab	ove					
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55.	AII	are Non - modifia	ible ri	isk tactors ex	cept	:			
	(1)	Age			(2)	Met	abolic syndrome	9	
	(3)	Gender			(4)	Her	edity		
56.	Мо	derate alcohol inta	ake ha	as been prote	ective	for C	CAD through :		
	(1)	Increased HDL	(2)	Platelets		(3)	Fibrinolysis	(4)	All of the above
57.	Rati	o of TC/HDL is o	onsid	lered risk for	CAL) :			
	(1)	< 4.5	(2)	> 4.5		(3)	< 5.5	(4)	> 5.5
58.	Nor	mal BMI as per Ir	ndian	standard is:					
	(1)	< 20	(2)	20 - 23		(3)	23 - 25	(4)	20 - 25
59.	IDF	TG level for meta	bolic	syndrome is	:				
	(1)	≥250 mg/dl	(2)	≥200 mg/	dl	(3)	≥150 mg/dl	(4)	≥100mg/dl
60.	HDI	L level lower than	what	l level is feat	ure o	f meta	abolic syndrome	in me	n :
	(1)	< 30	(2)	< 40		(3)	< 50	(4)	< 60
61.	B.P 1	evel above which	is a r	isk for metal	olic :	syndr	ome :		
	(1)	120/80	(2)	130/80		(3)	130/85	(4)	135/80
62.	Fasti	ng level of blood	sugar	above which	ı is ri	isk for	metabolic synd:	rome :	
	(1)	90mg/dl	(2)	100mg/dl		(3)	110mg/dl	(4)	120mg/dl
63.	Whic	ch of these is not i	newei	r risk factor f	or C	AD?			·
	(1)	LVH	(2)	Infection		(3)	Inflammation	(4)	LDH
54.	Whic	th of these is a new	wer r	isk factor for	CAL)?			
	(1)	DM		1	(2)	Нуре	erlipidemia		
	(3)	Oxidative stress		((4)	Serui	n Ferritin		
	_								

55.	Patho	ological effects of	f LI' (a) is above.				
	(1)	10-20 mg/dl	(2)	20-30 mg/dl	(3)	30-40 mg/dl	(4)	5-10 mg/dl
66.	Risk	factors increasin	ıg bloo	d coagulation ar	e all e	xcept :		
	(1)	Factor VII		(2)	PAI	- 1		
	(3)	CRP		(4)	Plat	elet derived grov	vth fac	tor
67.	Intak	ke of which of th	es e vit	amins is not pro	tective	e against oxidativ	e str e s	5 :
	(1)	Vit A	(2)	Vit C	(3)	Vit D	(4)	Vit E
68.	Whi	ch of these infec	tion is	not associated w	vith C	AD?		
	(1)	HSV	(2)	CMV	(3)	Helicobacter	(4)	EBV
69.	Whi	ch of these infec	tions i	s mostly associat	ed wi	th CAD?		
	(1)	HSV	(2)	Chlamydia	(3)	CMV	(4)	E. Coli
70.	Mos	st potent marker	of infl	ammation is :				
	(1)	S Ferritin	(2)	IL - 1	(3)	IL - 6	(4)	CRP
71.	In C	Chennai Urban F	opulat	ion Study (CUPS	5) whi	ch of these risk f	actors	not considered ?
	(1)	LDL	(2)	TG	(3)	VLDL	(4)	HDL
72.	Wh	ich of these is n e	ot used	l in Framingham	risk p	orediction score a	s majo	r component ?
	(1)	Age	(2)	Gender	(3)		(4)	DM
73.	Pac	commended diet	recom	mendation for P	UFA i	s :		
73.	(1)	0-3%	(2)		(3)		(4)	10-15%
	÷				.			
74	Rec			to prevent CAD			(4)	< Sam / day
	(1)	< 29gm/day	(2)	< 4gm/day	(3)	< 6gm/day	(4)	< 8gm/day

<i>7</i> 5.	Ver	y high risk for C	AD wi	ith LDL is:					
	(1)	100-130mg/dl			(2)	130-	150mg/dl		
	(3)	120-140mg/dl			(4)	≥16	60mg/dl		
76.	Ver	y high risk for Ti	riglyce	ride to caus	e CAI) is :			
	(1)	< 150	(2)	150 - 200		(3)	200 - 400	(4)	> 400
77.	Targ	get level of LDL	choles	terol is inter	media	te risl	c patient is :		
	(1)	< 160 mg/dl	(2)	< 130mg/	'dl	(3)	< 150 mg/dl	(4)	< 100 mg/dl
78.	CAI	RE study is based	d on :						
	(1)	DM	(2)	HTN		(3)	Statins	(4)	Beta blockers
79.	Mor	bid obesity is BN	⁄II abov	ve :					
	(1)	30kg/m ²	(2)	35kg/m ²		(3)	40kg/m ²	(4)	45kg/m ²
80.	Reco	ommended HbA	₁ C lev	el in diabeti	c patie	ent is	:		
	(1)	< 6%	(2)	< 6.5%		(3)	< 7.1 %	(4)	< 7.5 %
81.	Reco	ommended INR	level in	n AF is :					
	(1)	1.5 - 2.5	(2)	2.0 - 3.0		(3)	2.5 - 3.5	(4)	3.0 - 3.5
82.	Whi	ch of these is no	t a sec	ondary prev	ventio	n ?			
	(1)	Smoking	(2)	CABG		(3)	HTN control	(4)	Weight reduction
83.	Evic	lence for benefit	of ver	y strong for	which	n of th	e following lipic	d interv	ention :
	(1)	↓TG	(2)	↓LDL		(3)	↓HDL	(4)	All of the above
84.	Athe	erogenic risk fac	tors ar	e particular	to:				
	(1)	CAD	(2)	Stroke		(3)	PVD	(4)	All of the above
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85.	India	ns have lower thr	eshol	d for waist c	ircum	ferer	nce as:		
	(1)	Indians have low	er BN	ΛI					
	(2)	Higher risk of DN	Л		•				
	(3)	Higher risk even	at lo	wer threshold	1				
	(4)	Most are vegetar	ians					,	
86.	Whi	ch is true in CAD	for w	romen ?					
	(1)	Less severe than	for n	nen at any ag	;e				
	(2)	Less mortality							
	(3)	Infarct size small	ler						
	(4)	More lethal							
						.	ما ،		
87.	Whi	ch of the following			ventic			(4)	CURE
	(1)	Jupiter	(2)	HOPE		(3)	4S	(4)	COKE
88.	Whi	ch among these of	il hav	e high PUFA	. ?				
	(1)	Coconut	(2)	Olive oil		(3)	Vanaspathi	(4)	Ghee
89.	Fra	mingham study is	:						
	(1)	Randomized do		blind control	stud	y			
	(2)	Cohort study							
	(3)	Registry data							
	(4)	Observational c	are c	ontrol study					
90.	Wh	ich is not a featur	e of ı	ınstable plaq	ue:				
	(1)	More lipid core			(2)	Thi	n fibrous cap		
	/(3)	Thick fibrous ca	ар		(4)	Inte	ernal hemorrhage	1	
	/								