

WRITTEN TEST FOR MFCP OF TECHNICAL ASSISTANT(CARDIOLOGY) A TO B

1. Non Synchronous cardioversion is done in
 - A. VT
 - B. VF
 - C. AF
 - D. Pulseless VT
2. The recommended ACT during PCI Intervention is:
 - A. 100-170sec
 - B. 300-400sec
 - C. 150-250sec
 - D. 250-350sec
3. Intracardiac Defibrillator therapy is useful for
 - A. VT with Heart failure
 - B. Acute ST elevation MI
 - C. Acute pulmonary embolism
 - D. Pulmonary hypertension
4. Rotablator guide wire is
 - A. 0.014 inch
 - B. 0.018 inch
 - C. 0.009 inch
 - D. 0.007 inch
5. T wave of electrocardiogram represents
 - A. Atrial depolarisation
 - B. Ventricular depolarisation
 - C. Ventricular repolarisation
 - D. Atrial repolarisation
6. Normal PR interval in adult is
 - A. Less than 120 ms
 - B. Between 120 and 200 ms
 - C. More than 300 ms
 - D. Less than 100ms
7. The best sterilizing agent for non lumen catheters:
 - A. Ethylene oxide
 - B. Plasma
 - C. Formaldehyde tablet
 - D. Savlon
8. Drug of choice for anaphylaxis in the cath lab is
 - A. Adrenaline
 - B. Noradrenaline
 - C. Atropine
 - D. Morphine
9. Where is the venous access taken in SCT EP lab for insertion of decapolar catheter in the coronary sinus?
 - A. Right common femoral vein
 - B. Left common femoral vein
 - C. Right internal jugular vein
 - D. Left internal jugular vein
10. The energy used in RF ablation
 - A. Ultrasound
 - B. Resistive Heating
 - C. Microwave
 - D. Laser

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11. Wilkins Echocardiographic scoring is related to
- A. Balloon mitral valvotomy
 - B. ASD closure
 - C. Balloon pulmonary valvotomy
 - D. PDA stenting
12. ST elevation in leads II, III, aVF, with ST depression in I, aVL is suggestive of
- A. AW STEMI
 - B. PW STEMI
 - C. IW STEMI
 - D. IPLW STEMI
13. Which of the following statements is FALSE?
- A. Precordial lead V4 is located at left midclavicular line in the 5th intercostal space
 - B. Precordial leads are bipolar leads
 - C. Negative input for precordial leads is Wilson central terminal
 - D. Augmented limb leads are unipolar leads
14. Which of the following statements is FALSE?
- A. Atrial fibrillation is associated with varying R R interval
 - B. Atrial flutter is commonly associated with 2:1 AV Block
 - C. In complete heart block there is no AV dissociation
 - D. Polymorphic VT may be associated with prolonged QT interval
15. Maximum predicted heart rate is given by
- A. $220 - \text{age in years}$
 - B. $242 - \text{age in years}$
 - C. $210 - \text{age in years}$
 - D. $231 - \text{age in years}$
16. Which is not an absolute contraindication for exercise testing?
- A. High risk unstable angina
 - B. Uncontrolled hypertension
 - C. Aortic stenosis
 - D. Acute pericarditis
17. Incidence of pneumothorax is least with which venous access during permanent pacemaker implantation?
- A. Subclavian vein
 - B. Axillary vein
 - C. Cephalic vein
 - D. None
18. In the EP lab initiation of a regular narrow QRS tachycardia following an atrial extra with AH jump is suggestive of
- A. AVNRT
 - B. AVRT
 - C. AT
 - D. VT

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19. Normal HV interval is
- A. Less than 35 ms B. Less than 20 ms C. 35 to 55 ms D. 20 to 35 ms
20. Red colour during 3D colour activation mapping indicates
- A. Early activation C. Preexcitation
B. Late activation D. Tachycardia circuit
21. Automatic Intracardiac defibrillator is implanted for
- A. Complete heart block C. Ventricular tachycardia
B. SVT D. Heart Failure
22. OCT evaluation is helpful to
- A. Measure the dimensions of the vessel. C. See the adventitia of the vessel
B. Measure the coronary flow. D. Velocity of the blood.
23. Minimum R wave amplitude necessary for Sensing at VVI pacemaker implantation is
- A. > 4 mV B. < 1.0 mV C. >1.5 mV D. > 3.0 V
24. Acceptable LV lead impedance during CRT pacemaker implantation
- A. 1600 ohms B. 800 ohms C. 200 ohms D. 5000 ohms
25. The Vein accessed during LV lead implantation during CRT is:
- A. Axillary vein C. Coronary Sinus
B. Innominate vein D. Internal jugular vein
26. The Indication for Permanent Pacemaker Implantation:
- A. 1st degree AV block C. Complete heart block
B. 2nd degree AV Wenkebach block D. Trifascicular block
27. Balloon Atrial Septostomy procedure is done for:
- A. Transposition of Great Arteries C. VSD
B. Tetralogy of Fallot D. Single Ventricle.
28. The Cardiac condition requiring PDA stenting of Neonates:
- A. Pulmonary Atresia. C. Mitral Atresia
B. TGA D. Coarctation of Aorta
29. The True statement regarding Xcience Stent is
- A. Sirolimus stent on a cobalt –chromium platform
B. Everolimus stent on a stable polymer platform
C. Zotarolimus stent on a non compliant balloon platform
D. Everolimus stent on a 316 Steel platform

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42. The best Angiographic view to visualise LMCA Ostium is
- A. LAO Caudal.
 - B. Lateral.
 - C. AP Cranial.
 - D. RAO
43. Giant V wave on the LA trace following BMV is suggestive of:
- A. Severe MR following BMV.
 - B. Residual severe MS.
 - C. Severe LV Dysfunction.
 - D. Cardiac Tamponade.
44. Coronary sinus drains into
- A. Right atrium
 - B. Right ventricle
 - C. Left atrium
 - D. Left SVC
45. The False statement regarding Balloon Aortic Valvotomy
- A. Aortic balloon can be sized to 150% of the AV Annulus
 - B. Average Balloon size is 18mm.
 - C. Aortic annulus can be imaged by ECHO / Angio
 - D. RV pacing is required during BAV.
46. Head up Tilt Test the drug used in the evaluation of:
- A. Syncope
 - B. Ischemia
 - C. Tachyarrhythmia
 - D. Seizures
47. The Energy set during RF ablation for AVNRT is
- A. 200 J Biphasic
 - B. 100 J monophasic
 - C. 50 watts.
 - D. 10 watts.
48. Largest size catheter that go through Radial Artery is:
- A. 6F
 - B. 8F
 - C. 5F
 - D. 4F
49. In the EP lab non specific VT can be induced with
- A. Triple Extra
 - B. Single Extra
 - C. Atrial Pacing
 - D. AV Wenkebaching
50. The Physiological measurement of Coronary stenosis is best by
- A. Angiogram
 - B. IVUS
 - C. FFR
 - D. QCA

MFCP OF TECH ASST CARDIOLOGY A TO B (13/03/2018)

ANSWER KEY

1	B	21	C	41	D
2	D	22	A	42	C
3	A	23	A	43	A
4	C	24	B	44	A
5	C	25	C	45	A
6	B	26	C	46	A
7	B	27	A	47	C
8	A	28	A	48	A
9	C	29	B	49	A
10	B	30	A	50	C
11	A	31	A		
12	C	32	D		
13	B	33	D		
14	C	34	B		
15	A	35	B		
16	C	36	B		
17	C	37	A		
18	A	38	A		
19	C	39	A		
20	A	40	D		