

Online Examinations (Even Sem/Part-I/Part-II Examinations 2020 - 2021)

Course Name - –Modern Radiological & Imaging Techniques including Patient Care
Course Code - BMRIT403

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Answer all the questions. Each question carry one mark.

9. 1. Among all these which drug is used as vasodilator during coronary angiography?

Mark only one oval.

- Epinephrine
- Atropine
- Diazepam
- Nitroglycerin

10. 2. Which procedure is done for joints examination?

Mark only one oval.

Angiography

Mylography

Arthrography

Arteriography

11. 3. Angiography is _____

Mark only one oval.

a surgical procedure

a diagnosis

an imaging technique

a disease of the nerves

12. 4. Cardiac catheterization cannot be performed, if the patient is suffering from

Mark only one oval.

Myocardial infarction

Angina

Hypertension

Coronary spam

13. 5. The dye is inserted into the body with the help of _____

Mark only one oval.

- stent
- syringe
- catheter
- endoscope

14. 6. Which digital subtraction technique is Combination of dual energy subtraction and simple mask subtraction ?

Mark only one oval.

- Mask subtraction
- K edge subtraction
- temporal
- Hybrid subtraction

15. 7. Nomal creatinine value is

Mark only one oval.

- 0.10 – 1.2 mm/Hg.
- 0.6 – 1.3 mg/mm.
- 0.6 – 1.2 mg/dl.
- 1 – 3 mg/dl.

16. 8. A contained rupture; with disruption of all 3 layers of the arterial wall is defined as

Mark only one oval.

- Aneurysm
- Pseudoaneurysm
- Hematoma
- None of these

17. 9. Narrowing of a blood structure or any structure is known as

Mark only one oval.

- Thrombosis
- Stenosis
- Coagulation
- Aterio venous formation

18. 10. Angiography can be performed through all these arterial access sites except

Mark only one oval.

- Axillary
- Brachial
- Femoral
- Ulnar

19. 11. In which year interventional technology was introduced ?

Mark only one oval.

1901

1953

1988

1935

20. 12. Catheters can be classified depending on

Mark only one oval.

Side holes

Sizes

Shapes

All of these

21. 13. Catheters intended principally for abdominal use are usually In length

Mark only one oval.

60-80 cm

100-140 cm

150-180 cm

15-30 cm

22. 14. The catheter's size is numbered in

Mark only one oval.

- French
- Inches
- Millimeters
- Feet

23. 15. The coating on guide wires is usually done by which material?

Mark only one oval.

- Nylon
- Teflon
- Polyethylene
- None of these

24. 16. Guide wire allows

Mark only one oval.

- safe introduction of catheter into vessel
- safe introduction of catheter into muscular region
- safe introduction of catheter into oral cavity
- All of these

25. 17. The radiographer should provide the following

Mark only one oval.

- Should be cheerful ,sympathetic and undestandable
- Must show good confidence in patient care
- Check the requisition form properly and try to minimize the radiation dose to the patient
- All of these

26. 18. Purpose of the preparing the patient for abdominal, spine, IVP etc is to

Mark only one oval.

- Prevention of the gas
- Removal of the fecal matter
- Both Prevention of the gas & Removal of the fecal matter
- None of these

27. 19. Radiation Dose to the staff is more during mobile/bedside radiography

Mark only one oval.

- Patient require support during radiography
- Radiographer has to stand close to the source of the exposure.
- Difficulty in limiting the beam strictly
- All of these

28. 20. Proctetive measures to be taken during radiography are

Mark only one oval.

- use of the fast imaging system consistent with adequate radiographic detail
- Use of the gonadal shield of similar lead
- Proper limitation of the area to be covered by X-ray beam
- All of these

29. 21. Natural environmental radiation contribute annual dose of

Mark only one oval.

- 3 msv
- 10 msv
- 20 msv
- 40 msv

30. 22. Sir wilhelm conrad Roentgen discovered X-rays on

Mark only one oval.

- 8th November, 1895
- 28th August, 1895
- 8th November, 1825
- 8th November, 1795

31. 23. Due to discovery of X-rays, Roentgen discovered X-rays on

Mark only one oval.

- 1901
- 1908
- 1921
- 1897

32. 24. Which is the safest investigation in terms of radiation dose in pregnant women

Mark only one oval.

- x-rays
- CT
- Ultrasound
- PET-CT

33. 25. During mobile radiography, the minimum distance between patient and X-ray tube during exposure is

Mark only one oval.

- At least 1 feet
- At least 2 feet
- At least 4 feet
- At least 6 feet

34. 26. 1 gray equals to

Mark only one oval.

- 100 rads
- 1000 rads
- 10000 rads
- 10 rads

35. 27. The usual patient preparation for an upper GI examination is

Mark only one oval.

- Upto 8 hours fasting
- Light breakfast
- Clear fluid on the morning of the examination
- Castor oil and enemas untill clear

36. 28. Into which position should a patient be moved to avoid vomiting ?

Mark only one oval.

- Lateral recumbent
- Sitting
- Prone
- Both Lateral recumbent and Sitting

37. 29. Ionizing radiation causes

Mark only one oval.

- Mutation
- Point mutation
- Chromosomal anomalies
- Enzyme defects

38. 30. To protect the patient's reproductive organs, which of the following method will be used

Mark only one oval.

- Distance
- Inverse square law
- Room shielding
- Gonadal shielding

39. 31. Arteries used for catheterisation are

Mark only one oval.

- Femoral artery
- Brachial artery
- Axillary artery
- All of these

40. 32. Seldinger technique uses

Mark only one oval.

- Double wall needle puncture
- Guide wire
- Both Double wall needle puncture and Guide wire
- None of these

41. 33. The incident of complications is lowest on the following puncture site

Mark only one oval.

- Femoral
- Brachial
- Axillary
- Popliteal

42. 34. To prevent air embolism syringe during injection should be kept on the following position

Mark only one oval.

- Vertical
- Horizontal
- Oblique
- None of these

43. 35. Catheters used for dialation are

Mark only one oval.

- Gruntzig double lumen dilation catheter
- Straight Teflon catheter
- Van andel dilation catheter
- All of these

44. 36. Contrast media used for peripheral venography is

Mark only one oval.

- LOCM 240
- LOCM 300
- LOCM 360
- HOCM

45. 37. The site for injection in peripheral venography is

Mark only one oval.

- Palm
- Median cubital vein
- Popliteal vein
- Dorsum of foot

46. 38. Contrast medium used for upper limb venography is

Mark only one oval.

- LOCM 300
- LOCM 360
- LOCM 400
- HOCM

47. 39. Contrast media used for ventriculography

Mark only one oval.

- Ionic
- Non ionic
- Oil-based
- Barium

48. 40. In infants, contrast injection for ventriculography is through

Mark only one oval.

- Posterior fontanelle
- Anterior Fontanelle
- Lateral fontanelle
- Cervical spine

49. 41. Preliminary film in any examination is taken for

Mark only one oval.

- To make adjustment in exposure factors
- To check patient position
- To demonstrate, identify and localise opacities
- All of these

50. 42. Iohexol comes in the category of

Mark only one oval.

- Non ionic monomer
- Non-ionic dimer
- Ionic monomer
- Ionic dimer

51. 43. Regarding plain film before arthrography which of the following is true

Mark only one oval.

- Plain film in AP must be taken before arthrography
- Plain film is optional, but ultrasonography should be done
- plain film in different views should be taken
- None of these

52. 44. In which position, second set of images should be taken during shoulder arthrography?

Mark only one oval.

- Adduction & Internal rotation
- Abduction & internal rotation
- Adduction & external rotation
- Abduction & external rotation

53. 45. To safest and convenient site of the injection of the contrast media in myelography is

Mark only one oval.

- Cervical route
- Epidural space
- Subarachnoid space between 1st and 2nd lumbar vertebrae
- Subarachnoid space between 3rd and 4th lumbar vertebrae

54. 46. The choice of the contrast media in myelography is

Mark only one oval.

- Oily contrast media
- Gas
- Ionic contrast media
- Non-ionic water soluble contrast media

55. 47. Which of the following is not the emergency drug

Mark only one oval.

- Adrenaline
- Atropine
- Buscopan
- Amphetamine

56. 48. During CPR, following drugs may be considered except

Mark only one oval.

- VT or VF-Lignocaine
- Severe bradycardia-atropine
- Hypertension-adrenaline
- All of these

57. 49. Atenolol is indicated in

Mark only one oval.

- Bradycardia
- Post acute MI
- Hypotension
- All of these

58. 50. True statement is

Mark only one oval.

- Nitroglycerine is indicated in angina pectoris
- Nitroglycerine increases the myocardial consumption
- It is vasoconstrictor
- Side effect of nitroglycerine is hypertension

59. 51. Lignocaine is used as

Mark only one oval.

- Antiarrhythmics
- Anaesthetics
- Both Antiarrhythmics and Anaesthetics
- None of these

60. 52. Iohexol is

Mark only one oval.

- Ionic monomer
- Non-ionic monomer
- Ionic dimer
- Non-ionic dimer

61. 53. Monomer of the iodinated contrast media contains how many atoms of iodine

Mark only one oval.

- 1 atom
- 2 atoms
- 3 atoms
- 4 atoms

62. 54. Which of the following is HOCM ?

Mark only one oval.

- Diatrizoate
- Iohexol
- Iopamidol
- All of these

63. 55. Adverse drug reaction to IV injection of iodinated contrast media is more common for

Mark only one oval.

- HOCM
- LOCM
- Does not depend upon osmolality
- None of these

64. 56. contrast media of the choice for myelography is

Mark only one oval.

- Urografin
- Conray
- Iohexol
- Biligrafin

65. 57. When the patient lies in lateral recumbent position, the cassette is place behind the patient and the horizontal beam is used. This projection is termed as-

Mark only one oval.

- lateral decubitus
- Dorsal decubitus
- Ventral decubitus
- Axial view

66. 58. " Schuller projection " basically done for -

Mark only one oval.

- Petrous portion
- Mastoid portion of temporal bone
- Mandible
- EAM

67. 59. Towards the mid line of the body means -

Mark only one oval.

- Medial
- Lateral
- Distal
- Proximal

68. 60. Towards the Centre of the body means-

Mark only one oval.

- Medial
- Lateral
- Distal
- Proximal

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