



ENTRANCE EXAMINATION - ACADEMIC SESSION JANUARY 2018

PROGRAMME: *MCh-CUTS*

Time:90 Minutes

Max.Marks: 100

(Select the most appropriate answer)

(There are **no** **negativemarks** for wrong answers)

1. Right gastroepiploic artery is a branch of
  - a. Splenic artery
  - b. Gastroduodenal artery
  - c. Left gastric artery
  - d. Right gastric artery
2. Location of Type 3 gastric ulcers
  - a. Lesser curvature
  - b. Prepyloric region
  - c. Body of stomach
  - d. Near gastroesophageal junction
3. Zollinger Ellison Syndrome consists of ALL EXCEPT
  - a. Gastric acid hypersecretion
  - b. Severe peptic ulcer disease
  - c. Gastrinoma
  - d. Insulinoma
4. Most common metabolic defect appearing following gastrectomy
  - a. Anemia
  - b. Hypoglycemia
  - c. Alkalosis
  - d. Hypochloremia
5. Most Common indication of surgery in Crohn's disease
  - a. Perforation
  - b. Intestinal obstruction
  - c. Abscess formation
  - d. GI Bleed
6. Most common site for lymphomas in GI system
  - a. Esophagus
  - b. Stomach
  - c. Small intestine
  - d. Large intestine
7. Borchardt's triad is associated with
  - a. Gastric volvulus
  - b. Gastric intussusception
  - c. Bleeding Gastric ulcers
  - d. Gastric outlet obstruction
8. Most common neoplasm of appendix
  - a. Carcinoid
  - b. Adenocarcinoma
  - c. Polyp
  - d. Lymphoma

9. Area of the colon which is most vulnerable to ischemia
  - a. Ileocaecal junction
  - b. Hepatic flexure
  - c. Splenic flexure
  - d. Sigmoid colon
10. Arc of Riolan connects
  - a. Proximal SMA with Proximal IMA
  - b. Coeliac axis with Proximal SMA
  - c. Coeliac axis with Proximal IMA
  - d. Distal SMA with Distal IMA
11. By Haggitt's criteria, which level does sessile polyps with invasive carcinoma belong to?
  - a. Level 1
  - b. Level 2
  - c. Level 3
  - d. Level 4
12. Which of the following is NOT a hereditary cancer syndrome
  - a. Gardner's syndrome
  - b. Turcot's syndrome
  - c. Crohn's disease
  - d. Cowden's disease
13. Most common type of anorectal fistula
  - a. Intersphincteric
  - b. Trans sphincteric
  - c. Supra sphincteric
  - d. Extra sphincteric
14. Cantlie's line is
  - a. Portal fissure
  - b. Line of attachment of falciform ligament
  - c. Line of IVC
  - d. Line of attachment of left triangular ligament
15. Falciform ligament and umbilical fissure separate
  - a. Segment IV from segments II and III
  - b. Segment IV from segments V and VIII
  - c. Segment I from other segments
  - d. Segment VI from segment VII
16. Most of the oxygenation needs of the liver is met by
  - a. Hepatic artery
  - b. Portal vein
  - c. Hepatic vein
  - d. Gastric artery
17. At 48 hours, which of the following is NOT a prognostic sign in Ranson's criteria, in a case of Gall stone pancreatitis?
  - a. Hematocrit fall > 10
  - b. BUN elevation > 2
  - c. Calcium > 8 mg/dL
  - d. PaO<sub>2</sub> < 55 mm Hg

18. Which of the following is NOT a Hereditary Pancreatic cancer syndrome?
- HNPCC
  - FBC
  - FAMMM
  - Cowden's disease
19. Inability to pass a nasogastric tube into stomach of an infant, with absent radiographic evidence of gastrointestinal gas is suggestive of
- Esophageal atresia without tracheo esophageal fistula
  - Esophageal atresia with tracheo esophageal fistula
  - Congenital diaphragmatic hernia
  - Hypertrophic pyloric stenosis
20. Zone II of neck extends between
- Thyroid cartilage to angle of the mandible
  - Cricoid cartilage to the angle of the mandible
  - Thyroid cartilage to mastoid process
  - Cricoid cartilage to mastoid process
21. Guerin's fracture is
- Le Fort I
  - Le Fort II
  - Le Fort III
  - Mandibular fracture
22. An emergent thoracotomy is indicated after chest trauma in ALL EXCEPT
- Cardiac arrest
  - Massive hemothorax
  - Tension pneumothorax
  - Large open wounds of thoracic cage
23. Beck's triad is hallmark of
- Myocardial infarction
  - Pericardial tamponade
  - Tension pneumothorax
  - Chronic pericardial effusion
24. Which level of melanoma fills papillary dermis
- Clark 1
  - Clark 2
  - Clark 3
  - Clark 4
25. Melanoma with the best prognosis is
- Lentigo maligna melanoma
  - Superficial spreading melanoma
  - Acral lentiginous melanoma
  - Nodular melanoma
26. Which category comprises benign swelling according to BI-RADS?
- 1
  - 2
  - 3
  - 4

27. BRCA1 gene is located at
- 17q21
  - 13q14
  - 17p21
  - 13p14
28. Chvostek's sign is seen in
- Hypoparathyroidism
  - Hyperparathyroidism
  - Hypothyroidism
  - Hyperthyroidism
29. OPENING of semilunar valves produce
- First heart sound
  - Second heart sound
  - Opening snap
  - Ejection click
30. Most common symptomatic malignant endocrine tumor of Pancreas
- Glucagonoma
  - Insulinoma
  - VIPoma
  - Gastrinoma
31. Medullary Thyroid Carcinoma is an association in ALL EXCEPT
- MEN 1
  - MEN 2A
  - MEN 2B
  - FMTC
32. Neurovascular plane of abdominal wall is between
- External oblique muscle and internal oblique muscle
  - Internal oblique muscle and transversus abdominis
  - Transversus abdominis and transversalis fascia
  - Transversalis fascia and peritoneum
33. Golf hole ureteric orifice in cystoscopy is seen in
- TB Cystitis
  - Megaureter
  - Ureterocele
  - Ca Bladder
34. Ormond's disease is
- Retroperitoneal fibrosis
  - Retroperitoneal abscess
  - Retroperitoneal haematoma
  - Retroperitoneal sarcoma
35. Iliopubic tract is a continuation of
- External oblique aponeurosis
  - Internal oblique aponeurosis
  - Transversus abdominis aponeurosis
  - Rectus muscle aponeurosis

36. Which of the following is NOT a boundary of Hasselbach triangle
- Inferior epigastric vessels
  - Rectus sheath
  - Inguinal ligament
  - Cooper's ligament
37. Malory Weiss tears occur in
- Distal esophageal mucosa
  - Proximal gastric mucosa
  - Distal gastric mucosa
  - Duodenal mucosa
38. Most common source of lower GI bleed
- Angiodysplasia
  - Diverticulosis
  - Malignancy
  - Polyp
39. Largest artery to stomach
- Left gastric artery
  - Right gastric artery
  - Left gastroepiploic artery
  - Right gastroepiploic artery
40. Ramstedt's operation is done for
- Hypertrophic pyloric stenosis
  - Achalasia cardia
  - Rolling hernia
  - Congenital diaphragmatic hernia
41. Number of true ribs in human body
- 5 pairs
  - 6 pairs
  - 7 pairs
  - 8 pairs
42. Floating ribs are
- 11 and 12
  - 10, 11 and 12
  - 9, 10, 11 and 12
  - 12 only
43. Cantrell's pentalogy is associated with
- Cervical ectopia cordis
  - Thoracic ectopia cordis
  - Thoracoabdominal ectopia cordis
  - Bifid sternum
44. Scalene triangle is bounded by all EXCEPT
- Scalenus anterior
  - Scalenus medius
  - Scalenus posterior
  - First rib

45. Cupula is
- Cervical pleura
  - Costal pleura
  - Mediastinal pleura
  - Diaphragmatic pleura
46. Pectoralis muscle is absent in
- Poland's syndrome
  - Holland's syndrome
  - PJ syndrome
  - FAMMM
47. Treatment of choice for patients with symptomatic gall stones
- Elective open cholecystectomy
  - Elective laparoscopic cholecystectomy
  - Emergency open cholecystectomy
  - Emergency laparoscopic cholecystectomy
48. Right hepatic duct drains the segments
- I
  - V, VI, VII, VIII
  - II, III, IV
  - IV, V, VI, VII, VIII
49. Fatty acids involved in ileocolonic brake
- Short chain fatty acids
  - Medium chain fatty acids
  - Long chain fatty acids
  - Fatty acid breakdown products
50. Length of caecum
- 4 to 5 cm
  - 7 to 10 cm
  - 10 to 15 cm
  - 15 to 20 cm
51. Most commonly use site of arterial entry in endovascular surgery
- Radial artery
  - Femoral artery
  - Carotid artery
  - Ulnar artery
52. Velocardiofacial syndrome is associated with
- Chromosome 20
  - Chromosome 21
  - Chromosome 22
  - Chromosome 23
53. In ASD the chambers enlarged are
- Right atrium and ventricle
  - Left atrium and ventricle
  - Both atria
  - Both ventricles

54. Rough and rumbling mid diastolic murmur is a hallmark of
- MR
  - MS
  - AR
  - AS
55. Collapsing pulse is a feature of
- AS
  - AR
  - MS
  - ASD
56. Cyanosis is a feature of
- ASD
  - VSD
  - PDA
  - TGA
57. Pulmonary artery sling is associated with
- Tracheal collapse
  - Complete tracheal rings
  - Posterior compression of esophagus
  - ASD
58. Ductus arteriosus is derived from
- Left 3<sup>rd</sup> arch
  - Left 4<sup>th</sup> arch
  - Left 5<sup>th</sup> arch
  - Left 6<sup>th</sup> arch
59. First PDA ligation was done by
- Robert Gross
  - Alfred Blalock
  - Denton Cooley
  - Walton Lillehei
60. Father of modern cardiac surgery
- Robert Gross
  - Alfred Blalock
  - Denton Cooley
  - Walton Lillehei
61. Which of the following is NOT a conotruncal anomaly?
- TOF
  - DORV
  - TGA
  - TAPVC
62. Obtuse marginal artery is a branch of
- Left anterior descending artery
  - Left circumflex artery
  - Right coronary artery
  - Left Main Coronary artery

63. Which of the following is considered as the best conduit for grafting coronaries?
- Radial artery
  - Internal mammary artery
  - Great saphenous vein
  - Gastroepiploic artery
64. Impulse of heart beat originates from
- AV Node
  - SA Node
  - Vagus Nerve
  - Atrial muscle
65. Heart lung machine is invented by
- John Gibbon
  - Lillehei
  - Buckberg
  - Melrose
66. Commissure between left and non coronary cusps is related to
- Anterior mitral leaflet
  - Posterior mitral leaflet
  - Anterior tricuspid leaflet
  - Posterior tricuspid leaflet
67. All are true about opening snap in Mitral stenosis EXCEPT
- A2- OS interval is indicative of severity of MS
  - Can be absent with severe calcification
  - A high pitched early systolic sound
  - Occurs earlier than tricuspid opening snap
68. Predominant cause of mitral valve disease in developing countries
- Rheumatic fever
  - Degenerative causes
  - Marfan's syndrome
  - Tuberculosis
69. Largest heart valve in human
- Tricuspid valve
  - Pulmonary valve
  - Mitral valve
  - Aortic valve
70. Most common cause of tricuspid insufficiency
- Functional TR
  - Rheumatic heart disease
  - Carcinoid syndrome
  - Drug abuse
71. Which of the following is an inodilator
- Noradrenaline
  - Vasopressin
  - Milrinone
  - Dopamine



72. Sinus venosus ASD is almost always associated with
- Ostium secundum ASD
  - PAPVC
  - TAPVC
  - Ostium primum ASD
73. Scimitar syndrome is
- PAPVC to IVC
  - PAPVC to SVC
  - PAPVC to RA
  - PAPVC to azygous vein
74. Heath and Edwards classification is for
- TOF
  - VSD
  - Hypertensive Pulmonary Vascular disease
  - ASD
75. Major aortopulmonary collateral arteries are frequent in
- VSD
  - ASD
  - Pulmonary atresia with VSD
  - TAPVC
76. Most common type of interrupted aortic arch
- Type A
  - Type B
  - Type C
  - Type D
77. In a normal heart, which of the following valve is NOT in fibrous continuity with others?
- Pulmonary Valve
  - Aortic Valve
  - Mitral Valve
  - Tricuspid Valve
78. Parachute mitral valve is often associated with
- Marfan's syndrome
  - Shone syndrome
  - Scimitar syndrome
  - Williams syndrome
79. First open heart ASD closure under direct visualization was performed by
- Gross
  - Gibbon
  - Lewis and Taufic
  - Bailey
80. Most common congenital cardiac anomaly
- Bicuspid aortic valve
  - ASD
  - VSD
  - TOF

81. Cross controlled circulation was performed by
- John Kirklin
  - James Kirklin
  - Walton Lillehei
  - John Gibbon
82. Anastomosis between descending aorta and left pulmonary artery is
- Potts shunt
  - Waterston shunt
  - Blalock shunt
  - Davidson shunt
83. Chitra valve is a
- Bileaflet valve
  - Tilting disc valve
  - Ball and cage valve
  - Bioprosthetic valve
84. Snowman appearance in chest Xray is seen in
- TAPVC
  - ASD
  - VSD
  - TOF
85. Eustachian valve is related to the opening of
- SVC
  - Coronary Sinus
  - IVC
  - Pulmonary Veins
86. In a normal heart, AV Node is located in
- Triangle of Koch
  - Nodal triandle
  - AV triangle
  - Triangle of Kent
87. Ostium secundum ASD is a defect in
- Septum primum
  - Septum secundum
  - Septum spurium
  - Endocardial cushion
88. Swiss cheese septum is
- Multiple muscular VSD
  - Multiple Perimembranous VSD
  - Multiple endocardial cushion defects
  - Multiple outlet VSD
89. Right vetricle to coronary artery connections are seen in
- Pulmonary atresia with VSD
  - Pulmonary atresia with intact ventricular septum
  - TOF
  - VSD

90. Components of TOF are all EXCEPT
- VSD
  - Right ventricular hypertrophy
  - Overriding of aorta
  - Aortic stenosis
91. Supravalvular aortic stenosis is associated with
- William's syndrome
  - Joseph's syndrome
  - Marfan's syndrome
  - Bicuspid aortic valve
92. Moderator band contains
- SA Node
  - Bundle of His
  - Right Bundle branch
  - Left Bundle branch
93. Arterial repair for Transposition of Great Arteries
- Senning's repair
  - Mustard's repair
  - Arterial Switch Operation
  - Rastelli's repair
94. Low cardiac output is characterized by all EXCEPT
- Rising Serum potassium
  - Rising peripheral temperature
  - Decrease in urine output
  - Rise in CVP
95. Nodule of Arantius is seen in
- Tricuspid valve
  - Pulmonary valve
  - Mitral valve
  - Aortic valve
96. Infectious aortic aneurysms are usually
- Fusiform
  - Saccular
  - Tubular
  - Honey comb like
97. Stanford classification is for
- Aortic aneurysms
  - Aortic dissections
  - Renal artery aneurysms
  - Splenic artery aneurysms
98. Which of the following diseases is referred to as "the great clinical masquerader"?
- Aortic dissection
  - Aortic aneurysm
  - Acute myocardial infarction
  - Atrial fibrillation

99. First cardiac transplantation in human was performed by

- a. Denton Cooley
- b. Christian Bernard
- c. Michael DeBakey
- d. Norman Schumway

100. Murmur in AS

- a. Mid diastolic murmur
- b. Pan systolic murmur
- c. Ejection systolic murmur
- d. Carey Coomb's murmur