## **Government Medical College and Hospital Sector 32, Chandigarh**

Post: Senior Resident MS General Surgery for General Surgery and Allied specialities, Casualty Medical Officer (General Surgery)

## **QUESTION BOOKLET**

Time: 120 Minutes	Number of Question: 100	Maximum Marks: 100	
Name of Cand	idate		
Roll Number:	In figure	In Words	
Si	gnature of the Candidate:		

## DO NOT OPEN THE SEAL ON THE BOOKLET UNTIL ASKED TO DO SO

#### **INSTRUCTIONS:-**

- 1. Write your Roll Number on the Question Booklet and also on the OMR Sheet in the space provided. You will be required to give your thumb impression on the OMR sheet in the space provided.
- 2. This question booklet contains 100 MCQ's. Once you are permitted to open the Question Booklet, please check for any missing question / misprint etc. and in case of any discrepancy, inform the Assistant Superintendent / Invigilator within 10 minutes of the start of the test.
- 3. Each question has four alternative answer (A, B, C, D) out of which only one is correct. For each question, darken only one bubble (A or B or C or D), whichever you think is the correct answer, on the OMR Answer sheet with Black or Blue Ball Pen only. Do not use any other Pen / Gel pen /Pencil etc. Do not Tick √ or × on the OMR Sheet. Darken the bubbles in the OMR Answer Sheet according to the Serial No. of the Questions given in the Question Booklet.
- 4. Each MCQ is of One (01) mark. There is no negative marking.
- 5. If you do not want to answer a question, leave all the bubbles corresponding to that question blank in the OMR Answer sheet.
- 6. The OMR Answer sheet is designed for computer evaluation. Therefore, if you do not follow the instructions given, it may make evaluation by the computer difficult. Any resultant loss to the candidates on the above account, i.e. not following instructions completely and properly, shall be the responsibility of the candidates only.
- 7. After the test, handover the Question Booklet and OMR sheet to the Invigilator on duty.
- 8. A Candidate who creates disturbance of any kind or changes his/her seat or is found in possession of any paper or the any assistance or found giving or receiving assistance or found using any other unfair means during the examination will be expelled from the examination by the Centre superintendent/Observer whose decision shall be final.
- **9.** Telecommunication equipment such as pager, cellular phone, wireless, scanner, smart watch/ watch etc. is not permitted inside the examination hall. Use of calculators is not allowed.
- **10.** Candidate should ensure accuracy of their personal details on the OMR Sheet i.e. Name and Roll No. as well as thumb impression. The personal details are to be filled in by the candidates with his/her own hand writing.

- 1. Which one of the following <u>is not</u> a feature of hypovolemic shock?
  - A. High vascular resistance
  - B. High cardiac output
  - C. Low venous pressure
  - D. Low venous saturation
- 2. Which one of the following is <u>incorrect</u> about the strategy of damage control resuscitation?
  - A. Anticipation of traumatic coagulopathy
  - B. Prevention of dilutional coagulopathy by limiting colloid infusion
  - C. Control of hemorrhage by surgery
  - D. Permissive hypothermia until physiology normalizes
- 3. Which one of the following blood products is a rich source of fibrinogen?
  - A. Packed red blood cells
  - B. Fresh frozen plasma
  - C. Cryoprecipitate
  - D. Platelets
- 4. In developed countries, the most common chronic wounds are
  - A. Leg ulcers
  - B. Decubitus ulcers
  - C. Marjolin's ulcers
  - D. Basal cell cancer
- 5. Which one of the following is <u>untrue</u> about Koch's postulates?
  - A. The organism responsible must be found in every case
  - B. The organism can be isolated from the host
  - C. One must be able to culture the organism
  - D. The disease is not reproducible on inoculating a healthy host
- 6. Regarding a modular operating room environment, the most appropriate characteristics includes:
  - A. Minimum no. of air changes is 20 per minute
  - B. OT is maintained at a positive pressure relative to surroundings
  - C. Air is exhausted near ceiling height
  - D. Laminar airflows provide 50 air changes per minute

- 7. Which of the following parameters is not used routinely for assessment of adequacy of ventilation after administration of anesthetic agents during surgery?
  - A. Inspired oxygen concentration
  - B. oxygen saturation by pulse oximetry
  - C. End tidal carbon dioxide concentration
  - D. Functional residual lung capacity
- 8. Which of the following upper gastrointestinal endoscopic procedure in immunocompetent individuals has the highest incidence of bacteremia?
  - A. Esophageal
    - dilatation/prosthesis
  - B. Esophageal laser therapy
  - C. Diagnostic upper
  - gastrointestinal endoscopy D. Esophageal varices band
    - ligation
- **9.** The anatomical classification of Fistula in Ano as per Parks' classification is in relation to which structure:
  - A. Puborectalis muscle
  - B. Internal sphincter mass
  - C. External sphincter mass
  - D. Dentate line
- 10. A 65-year-old male was evaluated by barium meal examination for progressive dysphagia since last six months. The diagnosis of esophageal cancer was suggested because of the following sign:
  - A. Rosary bead
  - B. Rat tail sign
  - C. Meniscus sign
  - D. Shouldered sign
- 11. A 35-year-old female complaining of recurrent vomiting of ingested food material more marked in the nighttime. The upper GI endoscopy findings were suspicious of achalasia cardia. The esophageal peristalsis in the highresolution manometry as depicted is suggestive of pan-esophageal pressurization, along with high LES pressure, hence the diagnosis is.
  - A. Vigorous achalasia
  - B. Type 1 achalasia
  - C. Type II achalasia
  - D. Hypertensive LES

- **12.** An elderly patient presents with frothy urine. He also complains of air bubbles seen while passing urine. What is the most likely underlying cause?
  - A. Colo vesical fistula
  - B. Appendicovesical fistula
  - C. Ureterovesical fistula
  - D. Fulminant urinary tract infection
- **13.** Which one of the following is an avoidable factor that can adversely affect the body's response to injury?
  - A. Immobility
  - B. Normoglycemia
  - C. Antibiotics
  - D. Treatment of tissue hypoperfusion
- 14. The preferred operative approach for a patient with uncomplicated intestinal obstruction secondary to Ascaris impaction is
  - A. Enterotomy and removal of worms
  - B. Milking of the worms into the large bowel
  - C. Ileo-transverse bypass
  - D. Stoma creation
- 15. Orchidopexy for a palpable, undescended testis is recommended at which age?
  - A. 6 months
  - B. 1 year
  - C. 2 years
  - D. 5 years
- 16. 'Redcurrant jelly' stools are suggestive of which disease in a child who presents with abdominal pain and bilious vomiting
  - A. Duodenal atresia
  - B. Intestinal malrotation
  - C. Intussusception
  - D. Hirschprung's disease
- 17. Which gene is implicated in MEN type 2 B syndrome?

A.	RE
-	

- B. p53
- C. RB
- D. STK11

- 18. Which one of the following is the mechanism of action of 5-Flourouracil (5-FU)?
  - A. Interferes with the formation of microtubules
  - B. Damages DNA crosslinking
  - C. Blocks MAP kinase pathway
  - D. Inhibition of thymidylate synthase
- **19.** Which one of the following is <u>not true</u> of frozen section analysis of specimens?
  - A. Higher risk of infection transmission
  - B. Small tissue size is needed
  - C. Good quality sections are prepared
  - D. Some tissues are difficult to process
- 20. The incidence of sialolithiasis is highest in
  - A. Parotid gland
  - B. Submandibular gland
  - C. Sublingual glands
  - D. Minor salivary glands
- **21.** A 63-year-old female patient underwent laparotomy and excision of a large exophytic tumor arising from the stomach. This tumor stained positive for CD117 on immunohistochemistry. What is the final diagnosis?
  - A. Lymphoma
  - B. Gastrointestinal stromal tumor
  - C. Linitis plastica
  - D. Leiomyoma
- **22.** Positive end expiratory pressure (PEEP) is used mainly for what purpose?
  - A. To maintain tidal volume
  - B. To maintain functional
  - residual capacity
  - C. To assist in CO<sub>2</sub> washout
  - D. To reduce the incidence of barotrauma
- **23.** The maximum dose of plain lignocaine used for local anesthesia <u>should not</u>

exceed -

- A. 3 mg/kg
- B. 5mg/kg
- C. 7 mg.kg
  - D. 9 mg/kg

- 24. Massive bowel resection can lead to the short bowel syndrome when the
  - A. Length of the remaining small intestine is less than 200 cm
  - B. Whole length of the jejunum has been resected
  - C. Distal ileum and ileocecal junction has been resected
  - D. Colon has been removed
- 25. The Cushing triad seen in head injuries does not include
  - A. Bradycardia
  - B. Hypertension
  - C. Irregular respiration
  - D. Ipsilateral pupillary dilatation
- **26.** Fracture of the ring of the first cervical vertebra is also known as
  - A. Jefferson fracture
  - B. Hangman's fracture
  - C. Jones' fracture
  - D. Powers' fracture
- 27. Which one of the following is successful in the treatment of a large 'port wine stain'?
  - A. Excision and skin grafting
  - B. Cryosurgery
  - C. Foam sclerotherapy
  - D. Laser ablation
- **28.** The most common histological type of Non-Small Cell lung cancer is
  - A. Adenocarcinoma
  - B. Large cell cancer
  - C. Squamous cell cancer
  - D. Oat cell cancer
- **29.** In the treatment of femoral hernia, Lockwood's operation refers to -
  - A. Low operation
  - B. High operation
  - C. Inguinal approach
  - D. Laparoscopic hernioplasty
- **30.** Gastric outlet obstruction most commonly occurs secondary to
  - A. Peptic ulcer disease
  - B. Gastric cancer
  - C. Chronic pancreatitis
  - D. Gastric volvulus

- **31.** 30-year-old female came to OPD with complaint of milk discharge from both breasts. She is unmarried and not pregnant. USG of both breasts are normal. What is next step in investigation for this condition?
  - A. Mammography of both breast
  - B. MRI Brain
  - C. MRI Breast
  - D. Beta HCG test
- **32.** Slit like retraction of nipple is caused by all except
  - A. Ductal ectasia
  - B. Periductal mastitis
  - C. Carcinoma
  - D. Fibroadenoma
- **33.** A female patient with breast implants experienced change in size and shape of one of her breasts. The most likely diagnosis is
  - A. Abscess
  - B. Fat necrosis
  - C. Ruptured implant
  - D. Fibroadenoma
- **34.** All of following statements are true regarding response to injury except
  - A. Increasing growth hormone produce lipolytic, insulin antagonistic actions.
  - B. Increasing T3 and IGF1 leads to hypermetabolism.
  - C. Counter-regulatory hormones adrenaline and glucocorticoid leads to hepatic gluconeogenesis.
  - D. Pro-inflammatory cytokines including IL-1, IL-6 and IL-8 are produced within 24 hours and cause pyrexia.
- **35.** Mechanism involved in wasting of skeletal muscle is
  - A. ATP dependent ubiquitin proteasome pathway
  - B. Lysosomal pathway
  - C. Calpain pathway
  - D. All of the above

- **36.** Which of the following statement is incorrect regarding graft rejection?
  - A. HLA is main trigger factor for graft rejection
  - B. ABO and RH blood grouping must be matched before transplant
  - C. Heterotrophic graft is placement of graft at site different from normal anatomical position.
  - D. It is T lymphocyte that play major role in graft rejection.
- Optimum cold storage time for liver graft is
  - A. 12 hours
  - B. 18 hours
  - C. upto 10 hours
  - D. Upto 3 hours
- **38.** What is management of Bethesda category 4 lesion of thyroid?
  - A. Total thyroidectomy
  - B. Lobectomy
  - C. Repeat FNAC with image guidance
  - D. Clinical follow up
- **39.** What is Dunhill procedure?
  - A. Total thyroidectomy
  - B. Subtotal thyroidectomy
  - C. Near total thyroidectomy
  - D. Total thyroidectomy with central neck dissection
- 40. Blockage of which part of subclavian artery produced subclavian steal syndrome?
  - A. First part
  - B. Second part
  - C. Third part
  - D. After vertebral artery origin

- **41.** 32 years old male presented to emergency with clinical features of acute appendicitis for which he underwent open appendicectomy. On gross examination, 3cm mass was present at tip. Biopsy came out to be differentiated carcinoid at tip of
  - appendix with negative margins without involvement of base and mesoappendix. What is next step of management?
    - A. Follow up CT after 3 months
    - B. Chemotherapy
    - C. Right hemicolectomy
    - D. Right hemicolectomy with lymphadenectomy
- **42.** Polytrauma patient with serum lactate 1.5 mmol/L should go for
  - A. Early total care
  - B. Damage control surgery
  - C. Look at trend in lactate
  - D. Any of the above
- **43.** Which of following devices uses both ultrasound vibration and bipolar energy together?
  - A. CUSA
    - B. Thunderbeat
    - C. Harmonic scalpel
    - D. Ligasure
- **44.** Which of following is false regarding vacuum assisted closure?
  - A. Intermittent negative pressure is applied for -125 mm Hg to hasten debridement
  - B. It decreases edema and increases blood flow
  - C. It increases bacterial count
  - D. Vac increases cell proliferation and provides suitable bed for grafting.
- 45. Incorrectly matched grading of
  - lymphedema
    - A. Grade 1 histologically excess interstitial fluid
    - B. Grade 2- Stemmer signs positive
    - C. Grade 3 edema associated with
    - irreversible changes
    - D. All are correct

- 46. Current guidelines suggest that a patient should be informed of minor adverse events with risk of more than ..... and serious events with an incidence of more than .....
  - A. 5%, 10%

  - B. 1%, 5% C. 10%, 0.5%
  - D. 0.5%, 1%
- 47. What does M1c in colon cancer according to TNM staging?
  - A. When metastasis is limited to only one site/ solid organ
  - B. Peritoneal metastasis to peritoneal surface alone or with other site metastases
  - C. Metastasis to multiple distant sites and organs.
  - D. None of above.
- 48. 47-year-old male n a car vehicle accident sustained severe abdominal injuries. He presented to hospital with abdominal pain and downs distension. CECT abdomen showed pancreatic parenchymal injury involving ampulla. Injury will be graded according to AAST as
  - A. Grade 5
  - B. Grade 2
  - C. Grade 4
  - D. Grade 3
- 49. 3-year-old female with down syndrome presented with recurrent episodes of nonbilious vomiting. On endoscopy, stomach was grossly distended, and scope could not be negotiated beyond D1-D2 junction. CT revealed annular pancreas. Which of following is most appropriate management?
  - A. Gastrojejunostomy
  - B. Endoscopic NJ placement for feeds and expectant management till edema settles.
  - C. Duodenojejunostomy
  - D. Transection of annular ring of pancreas.

50. Recurrent UTI is defined as ..... episodes of UTI in ..... Month period

A. 2,12 B. 2,6 C. 3,6 D. 4,12

- 51. 60-year-old patient of testicular tumor on further evaluation was found to have serum levels 4 times higher than normal value. What does it indicate?
  - A. Probability of yolk sac variety is high
  - B. Probability of seminoma is high
  - C. It just indicates burden of disease and not specific to any subtype.
  - D. Probability of NSGCT is high.
- 52. True about post-operative ileus are all except:
  - A. Failure to tolerate oral intake or pass stool 72 hours after surgery
  - B. CT scan is the most effective investigation
  - C. Acute stress response is responsible for immediate abolition of intestinal motility
  - D. Acute stress response leads to mast cell activation
- 53. Grade 2 acute Cholecystitis according to Tokyo classification is all except:
  - A. Elevated WBC count (>18000/ mm<sup>3)</sup>
  - B. Palpable tender mass in right upper abdominal quadrant
  - C. Duration of complaint > 48 hours
  - D. Presence of gangrenous cholecystitis, hepatic abscess
- 54. Which one of the following investigations is not recommended by the 'sepsis six care bundle'
  - A. Blood cultures
  - B. Complete blood count
  - C. Lactate
  - D. Renal function tests
- 55. Decisive period is
  - A. 1 hours
    - B. 2 hours
    - C. 4 hours
    - D. 6 hours

- **56.** Regarding rate of surgical site infections in various surgical wound classes, all are true except:
  - A. Clean wounds: 1% to 2% without antibiotic prophylaxis
  - B. Clean wounds: 1% to 2% with antibiotic prophylaxis
  - C. Contaminated: 15% with antibiotic prophylaxis
  - D. Dirty: 40% without antibiotic prophylaxis
- 57. Which amongst the following is not a part of 'MUST tool'
  - A. BMI
  - B. Weight loss in past 3 to 6 months
  - C. Acute disease effect
  - D. Chronic disease effect
- **58.** Bicarbonate concentration of Hartmann's solution is:
  - A. 0 mmol/L
  - B. 10 mmol/L
  - C. 15 mmol/L
  - D. 25 mmol/L
- 59. Refeeding syndrome is:
  - A. Complication related to enteral nutrition only
    - B. Complication related to parenteral nutrition only
    - C. Complication related to both enteral and parenteral nutrition
    - D. Hypomagnesemia is the main pathological process
- 60. Which of the following constitute
  - Metabolic response to starvation?
    - A. Low plasma insulin
    - B. Low plasma glucagon
    - C. Raised cortisol levels
    - D. Raised circulating catecholamines

61. Short stay surgery is defined as

- A. Time between admission and discharge: < 12 hours
  - B. Time between admission and discharge: 12 to 24 hours
  - C. Time between admission and discharge: 24 to 72 hours
  - D. Time between admission and discharge: > 72 hours

- **62.** Which of the following is not a feature of distributive shock?
  - A. High mixed venous oxygen saturation
  - B. Low systemic vascular resistance
  - C. High jugular venous pressure
  - D. High cardiac output
- **63.** Clinical features of severe uncompensated shock does not include:
  - A. Reduced urine output
  - B. Tachycardia
  - C. Labored breathing
  - D. Severe hypotension

64. Level of obstruction in duodenal atresia is usually present at:

- A. D1 D2 junction
- B. Proximal to ampulla of Vater
- C. Just distal to ampulla of Vater
- D. D2 D3 junction

65. Anterior abdominal wall in gastroschisis is:

- A. Just to the right of umbilical cord
- B. Just to the left of umbilical cord
- C. Just superior to the umbilical cord
- D. Just inferior to umbilical cord

**66.** Prothrombin complexes concentrate lacks which clotting factor:

- A. Factor II
- B. Factor IX
- C. Factor X
- D. Factor XIII

67. Internal ballistics is:

- A. Also known as 'wound ballistics'
- B. Characterize the projectile within the weapon during firing
- C. Characterize the projectile in free flight
- D. Characterize the projectile/tissue interaction

68. GCS 14 or 15 with loss of consciousness is:

- A. Minor head injury
- B. Mild head injury
- C. Moderate head injury
- D. Severe head injury

- **69.** Which one is not included among the '4 H's' of reversible cardiac arrest according to ACLS:
  - A. Hypoxia
  - B. Hypothermia
  - C. Hyperthermia
  - D. Hypocalcemia
- **70.** Global end point of resuscitation does not include:
  - A. Base deficit
  - B. Mixed venous oxygen saturation
  - C. Serum lactate
  - D. Serum creatinine
- 71. Cryoprecipitate lacks:
  - A. Fibrinogen
  - B. Factor VII
  - C. Factor VIII
  - D. Factor XIII
- 72. Which one is not included among the '4 t's' of reversible cardiac arrest according to ACLS:
  - A. Tension pneumothorax
  - B. Cardiac tamponade
  - C. Toxins
  - D. Trauma
- **73.** Which amongst the following is not used as a method to assess regional tissue perfusion ?
  - A. Muscle tissue oxygen probe
  - B. Mixed venous oxygen saturation
  - C. Near infrared spectroscopy
  - D. Sublingual capnometry
- 74. All of the following measures can be used to monitor gastrointestinal tissue perfusion except:
  - A. Laser Doppler flowmetry
  - B. Gut mucosal pH
  - C. Near infrared spectroscopy
  - D. Sublingual capnometry
- 75. 'STOP BANG' questionnaire does not include:
  - A. Abdominal girth
  - B. Neck circumference
  - C. Age
  - D. Gender

- **76.** Which amongst the following is not a goal of damage control resuscitation?
  - A. Rapid hemorrhage control
  - B. Permissive hypotension
  - C. Promote dilutional coagulopathy
  - D. Treat existing coagulation deficit
- 77. Which one of the following is true in respect of permissive hypotension:
  - A. Maintain mean arterial pressure > 100 mm Hg
  - B. Continue volume resuscitation in presence of bleeding to normalize perfusion
  - C. Prevents dilutional coagulopathy and hypothermia
  - D. Exacerbates blood loss from bleeding site
- 78. Occult shock is:
  - A. Normal vital signs in the presence of under perfusion
  - B. Normal vital signs and normal perfusion
  - C. Abnormal vital signs and normal perfusion
  - D. Abnormal vital signs in presence of under perfusion
- 79. Occult hypoperfusion is manifested as:
  - A. Respiratory acidosis
  - B. Metabolic acidosis
  - C. Respiratory alkalosis
  - D. Metabolic alkalosis
- Papillon technique is used in carcinoma rectum.
  - A. Radical surgery
  - B. Radiotherapy
  - C. Organ preserving surgery
  - D. Chemotherapy

81. Most common tumor of small bowel is

- A. Adenoma
- B. Leiomyoma
- C. Carcinoids
- D. Lymphomas

- **82.** 16 years old male having autosomal dominant condition with multiple polyps in small and large bowel with hyperpigmented spots in perianal skin and circumoral hyper pigmented spots. What is the mutation associated?
  - A. STK 11
  - B. APC gene
  - C. BRAF gene
  - D. NRAS gene
  - 83. Cantlie's line is
    - A. Line b/w GB fossa and Mid hepatic vein
    - B. Line b/w GB Fossa and Left hepatic vein
    - C. Line b/w GB fossa and Right hepatic vein
    - D. Line b/w GB fossa and left portal vein

84. Eckarts score is used for classification

- A. Zenkers diverticulum
- B. GERD
- C. Achalasia cardia
- D. Nutcracker esophagus

## 85. Beger procedure is done for

- A. Necrotizing pancreatitis
  - B. Chronic pancreatitis
  - C. Pseudopancreatic cyst
  - D. Neuroendocrine tumor of pancreas

## 86. Gibbon hernia is

- A. Retrovascular hernia
- B. Through saphenous opening with cribriform fascia
- C. Hernia in pouch of douglas
- D. Hernia with hydrocele

87. Howship Romberg sign is seen in

- A. Sciatic hernia
- B. Obturator hernia
- C. Gluteal hernia
- D. Perineal hernia
- 88. Inferior lumbar hernia is
  - A. Grynfeltt-Lesshaft's triangle
  - B. Petit's triangle
  - C. Hesserts triangle
  - D. Scarpas triangle

- **89.** A group of surgeons conduct a metaanalysis of randomized controlled trials comparing the use of analgesic regimes following laparoscopic cholecystectomy. What level of evidence is provided by such an analysis?
  - A. V B. I
  - D. I
  - C. II D. III
- **90.** You are performing a study of weight in patients attending preoperative assessment clinic for elective hernia repair. Assuming that the results are normally distributed, what percentage of values lie within two standard deviations of the mean weight?
  - A. 95.4%
  - B. 5.3%
  - C. 98.3%
  - D. 97.5%
- **91.** A cyclist loses control and falls off the side of a road landing on the bicycle handlebars. CT scan shows a large amount of retroperitoneal air. Please select the most likely injury:
  - A. Ruptured spleen
    - B. Ileum injury
  - C. Duodenal injury
  - D. Urethral injury
- **92.** A 22-year-old man has a full thickness burn of his leg after being trapped in a burning car. There are no fractures of the limb. There burn is well circumscribed. After 2 hours he complains of tingling of his leg, and it appears dusky. What is the best management for this?
  - A. Fasciotomy
  - B. Escharotomy
  - C. Angioplasty
  - D. Anticoagulation
- **93.** Which of the following blood products can be administered to a non-ABO matched recipient?
  - A. Platelets
    - B. Packed red cells
    - C. Fresh frozen plasma
    - D. Cryoprecipitate

- **94.** A 43-year-old lady with a metallic heart valve has just undergone an elective paraumbilical hernia repair. In view of her metallic valve, she is given unfractionated heparin perioperatively. How should the therapeutic efficacy be monitored, assuming her renal function is normal?
  - A. Therapeutic monitoring is not required
  - B. Measurement of APTT
  - C. Measurement of INR
  - D. Measurement of Prothrombin time
- **95.** A 62-year-old lawyer has a transurethral resection which took 1 hour to perform. The patient has become agitated. He has a HR 105 bpm, and his blood pressure is 170/100 mmHg. He is fluid overloaded. His blood results reveal a Na of 120mmol/l. What is the most likely cause?
  - A. Over-administration of 0.9% Normal Saline
  - B. Syndrome of inappropriate antidiuretic hormone secretion
  - C. Congestive cardiac failure
  - D. TUR syndrome
  - **96.** A 44-year-old man undergoes a distal gastrectomy for cancer. He is slightly anaemic and therefore receives a transfusion of 4 units of packed red cells to cover both the existing anaemia and associated perioperative blood loss. He is noted to develop ECG changes that are not consistent with ischaemia. What is the most likely cause?
    - A. Hyponatraemia
    - B. Hyperkalemia
    - C. Hypercalcemia
    - D. Metabolic alkalosis
  - **97.** A 19-year-old man has a skin lesion excised from his back. He is reviewed 4 months post procedure and the surgeon notes that the scar has begun to contract. Which of the following facilitates this process?
    - A. Myofibroblasts
      - B. Neutrophils
      - C. Granuloma formation
      - D. Macrophages

- **98.** A 47-year-old female undergoes low anterior resection to treat a rectal adenocarcinoma. During the surgery, great care is taken to preserve the pelvic splanchnic nerves. From which nerve roots do these arise?
  - A. L2-4
  - B. L3-5
  - C. L4,5-S1
  - D. S2-4
- **99.** Exomphalos is associated with all of the following, except:
  - A. Beckwith-Wiedemann syndrome
  - B. Potter syndrome
  - C. Edward syndrome
  - D. Patau syndrome
- **100.** A 79-year-old male presents with difficulty in passing urine and is diagnosed with prostatic adenocarcinoma. From
  - which histological structure is his disease most likely to have originated?
    - A. Anterior fibromuscular zone
    - B. Central zone
    - C. Peripheral zone
    - D. Transitional zone

# SUBJECT GENERAL SURGERY SR

-1	B		21	В		41	D
2	D		22	В		42	Α
3	C	은 이번 분내 있 <sub>다</sub> 는 것 - '도망' 것 같다.	23	Α		43	В
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7	D		27	D		47	В
8	C		. 28	A		48	С
9	C		29	A		49	С
10	D		30	B		50	В
11	C		31	В		51	C
12	A		32	C		52	D
13	A		33	С		53	C
14	B		34	В		54	D
15	B		35	D		55	C
16	C		36	В		56	C
17	A		37	С		57	D
18	D		38	В		58	A
19	C		39	C		59	C
20	B		40	A		60	A
20					The deal		
61	С		81	В			
62	C		82	A	A Reader		
63	A		83	. A			
64	C		84	C			
65	A		85	B			
66	D		86	D			
67	B		87	B			
	B	-	88	B			
68	. D	-	89	B			
69	. D D		90	A	-		
70 71	B ·		91	C			
and the second	I D .						
			92	B			
72	D		92	B A			
72 73	D B		93	A			
72 73 74	D B C		93 94	A B			
72 73 74 75	D B C A		93 94 95	A B D			
72 73 74 75 76	D B C A C		93 94 95 96	A B D B			
72 73 74 75 76 77	D B C A C C C C		93 94 95 96 97	A B D B A			
72 73 74 75 76 77 78	D B C A C C C A		93 94 95 96 97 98	A B D B A D			
72 73 74 75 76 77	D B C A C C C C		93 94 95 96 97	A B D B A			