MS[ Surgery ]

BF/2015/11

## Basic Sciences as applied to Surgery

**[Paper-I]**

Time : 3 Hours M.M.: 100

Note: Attempt all questions.

All questions carry equal marks.

Illustrate your answer with suitable diagrams.

1. Sub-phrenic Peritoneal spaces and their surgical importance. [10]

2. Pancreatic function tests. [10]

3. What is shock- discuss the pathophysiology of septic shock. [10]

4. Fluid calculation for burn patient. [10]

5. PET CT scan:- Discuss its role in carcinoma colon. [10]

6. Write short note on tumour markers in malignancy. [10]

7. Hospital acquired infections. [10]

8. Helicobacter pyloric infection:- Its history and significance. [10]

9. Hand washing technique and role in combating infections. [10]

10. Nutritional assessment of a surgical patient. [10]

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#### Principles & Practice of Surgery

**[Paper-II]**

Time : 3 Hours M.M.: 100

Note: Attempt all questions.

All questions carry equal marks.

Illustrate your answer with suitable diagrams.

1. Discuss the role of pre hospital care in the management of trauma. [10]

2. What is Caroli’s disease? Discuss its management. [10]

3. Discuss in brief the management of hyperparathyroidism. [10]

4. Discuss the principles of management of Iufrarenal Aortic Aneurysm. [10]

5. Discuss the evaluation and management of Nipple discharge. [10]

6. Write a short note on severity stratification in acute pancreatitis. [10]

7. Discuss the surgical options for familial adenomatous polyposis coli. [10]

8. Discuss in brief the options for management available for malignant tracheo-esophageal fistula. [10]

9. Discuss the minimally invasive approaches for renal stones. [10]

10. Discuss the methods of attaining hemostasis in liver surgery. [10]

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#### Operative Surgery

**[Paper-III]**

Time : 3 Hours M.M.: 100

Note: Attempt all questions.

All questions carry equal marks.

Illustrate your answer with suitable diagrams.

1. How will you manage a case of strangulated inguinal Hernia. [10]

2. Describe staging of renal cell carcinoma. Briefly outline the steps of radical nephrectomy. [10]

3. Discuss the treatment of carcinoma prostate. [10]

4. What is flail chest. What is the treatment of B/L flail chest. [10]

5. Discuss the surgical management of 1x1 cm sized basal cell carcinoma on the cheek. [10]

6. Name the various types of Neck dissections. Discuss the complications of radical neck dissection. [10]

7. How will you prepare a case of functional pheochromocytoma for surgery. [10]

8. How will you diagnose and treat a case of cystosarcoma phylloides.[10]

9. Discuss the revascularisation procedures in peripheral vascular disease. [10]

10. Enumerate the various surgical procedures for obesity. What are the complications of sleeve resection of stomach. [10]

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#### Recent Advances in Surgery

**[Paper-IV]**

Time : 3 Hours M.M.: 100

Note: Attempt all questions.

All questions carry equal marks.

Illustrate your answer with suitable diagrams.

1. Discuss new concepts about: [10]

a. Balanced crystalloids versus N-saline.

b. Colloids versus crystalloids.

2. Discuss revised definitions in Ac. Pancreatitis. [10]

3. Discuss recent advances in Hepatocellular carcinoma. [10]

4. Discuss surgical management of pseudomyxoma peritonei. [10]

5. Discuss recent advances in management of locally recurrent Rectal Cancer. [10]

6. Discuss various types of meshes available in surgical practice. [10]

7. Discuss principles and various surgical options available for breast reconstruction after a patient is operated for carcinoma breast. [10]

8. Discuss complications of bariatric surgery. [10]

9. Discuss management of Ac. superior mestenteric ischemia due to SMA thrombosis. [10]

10. Discuss newer concepts in the management of diabetic foot. [10]

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