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QUESTION BANK



FOR FINAL YEAR MBBS

(1990-2015)

Sanoob Sahabdeen

Foreword
Singi Yatiraj

JAYPEE

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Section 2

SURGERY

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Part I: General Surgery

INSTRUCTIONS TO READERS

- Chapterwise based on MANIPAL MANUAL OF SURGERY, 4th edition (Code: MNPL) with page numbers of answers
- Page numbers of answers from SRB's MANUAL OF SURGERY, 4th edition (Code: SRB) also included
- The year in which questions have recently appeared (last nine question papers from Aug 2011 to Aug 2015) have been mentioned under the recent year's heading
- The number of times a question has been repeated, between 1990 and 2015, is mentioned within brackets along with the respective questions.

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Chapters 1 to 8

1. Wound, Keloid, Hypertrophic Scar and Metabolic Response to Injury
2. Acute Infections, Sinus, Fistula and Surgical Site Infection
3. Tetanus and Gas Gangrene
4. Hand and Foot Infections
5. Chronic Infectious Disease
6. Differential Diagnosis of Leg Ulcer and Pressure Sore
7. Lower Limb Ischemia and Popliteal Aneurysm
8. Upper Limb Ischemia and Gangrene

	MNPL	SRB	Recent Years
ESSAYS			
1. Discuss the etiology, period of onset, clinical features and management of tetanus.	33	49	–
2. Discuss the etiopathogenesis, clinical features and management of gas gangrene (3).	36	52	Feb 13

3.	Classify ulcers. Discuss the pathogenesis, clinical features, investigations and treatment of varicose ulcer secondary to deep vein valve incompetence.	59, 138	15, 249	–
4.	Describe the etiopathogenesis, clinical features, differential diagnosis, investigations and management of an early case of Buerger's disease (2).	76	184	–
5.	Define thromboangiitis obliterans (Buerger's disease). How will you investigate arterial occlusive disease? Describe the clinical features, complications and management of atherosclerotic gangrene.	76	184, 179, 211	–
6.	Describe the etiology, pathogenesis, clinical features, diagnosis and management of thromboangiitis obliterans (TAO) (3).	76	184	–

SHORT NOTES

1.	Factors influencing wound healing.	6	7	–
2.	Hypertrophic scar (3).	9	12	Aug 12
3.	Keloid (2).	9	11	Aug 14
4.	Ludwig's angina (2).	16	38, 465	Feb 13
5.	Antibioma.	18, 381	42, 558	–
6.	Cold abscess.	18	474, 1192	–
7.	Hilton's method of draining abscess.	18	43	–
8.	Tuberculous lymphadenopathy (3).	19	470	–
9.	Tuberculous lymph node.	19	470	–
10.	Collar stud abscess.	21	475	–
11.	Carbuncle.	23	47	–
12.	Necrotizing fasciitis.	24	65	–
13.	Tetanus.	33	49	Aug 11
14.	Gas gangrene.	36	52	–

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15. Paronychia.	41	160	–
16. Deep palmar abscess.	44	162	–
17. Madura foot.	47	57	–
18. Chancre.	54	28, 56	–
19. Gumma.	55	28, 56	–
20. Acquired immunodeficiency syndrome (AIDS) (2).	55	63	–
21. Universal precautions (2).	56	65	Aug 11, Aug 13
22. Ulcer edge.	60, 61	14	–
23. Varicose ulcers (2).	64, 138	28, 249	–
24. Venous ulcer.	64, 138	28, 249	–
25. Trophic ulcer.	65	21, 214	–
26. Bedsore.	72	214	–
27. Buerger's disease (2).	81, 82	184	Aug 15
28. TAO (2).	81, 82	184	Aug 13
29. Color Doppler in peripheral vascular disease.	83	179	–
30. Arterial emboli.	89	197	Aug 11
31. Cervical rib.	101	457	–

SHORT ANSWERS

1. Factors influencing wound healing.	6	7	–
2. Name four differences between keloid and hypertrophic scar.	9	12	–
3. Keloid.	9	11	–
4. Tuberculous lymphadenitis.	19	470	–
5. Collar stud abscess.	21	475	Aug 12, Aug 14
6. Milian's ear sign.	24	39	–
7. Orocutaneous fistula.	28	30	Feb 12
8. Prevention of tetanus.	36	52	Aug 14
9. Paronychia.	41	160	–
10. Acute paronychia.	41	160	Feb 15
11. Ingrowing toenail.	41	172	Aug 12

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12.	Universal precaution.	56	65	Aug 11
13.	Ulcer edges.	60, 61	14	Aug 12
14.	Surgery in diabetic patient.	69	213	–
15.	Intermittent claudication (2).	77	175	Feb 13
16.	Dry gangrene.	79	177, 212	Feb 15
17.	Ankle systolic pressure index.	83	180	Aug 11
18.	Arteriogram.	84	180	–
19.	Lumbar sympathectomy.	87	194	Feb 14
20.	Raynaud's disease.	98	189, 216	Feb 14
21.	Adson's test.	102	179, 458	–
22.	Tinel's sign.	–	275	–
23.	Name four differences between exudate and transudate.	–	–	–
24.	Difference between exudate and transudate.	–	–	Aug 12
25.	Mention the branches of external carotid artery.	–	–	–

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Chapters 9 to 16

9. Lymphatics, Lymph Vessels and Lymphoma
10. Varicose Veins and Deep Vein Thrombosis
11. Skin Tumors
12. Hemorrhage, Shock and Blood Transfusion
13. Burns, Skin Grafting and Flaps
14. Acid-base Balance, Fluid and Electrolytes
15. Tumors and Soft Tissue Sarcomas
16. Cystic Swellings, Neck swellings and Metastatic Lymph Node Neck

	MNPL	SRB	Recent Years
ESSAYS			
1. Discuss the causes of lymphedema. What are the types of lymphedema? Describe the stages and management of filarial lymphedema.	110, 116	257, 259	–
2. Discuss the etiopathology, clinical features, diagnosis and management of varicose veins (2).	127, 130	235	Aug 12
3. Discuss the etiology, types, clinical features, complications and management of varicose veins (2).	127, 130	235	–
4. Discuss the etiology of unilateral swelling of lower limb. What are the various clinical tests you would perform in varicose veins of lower limb? Briefly outline the pathology and management of varicose ulcer.	131, 138	237, 249	–
5. Patient has ulcer near right medial malleolus. How will you evaluate and treat?	138	249	Feb 15
6. Describe the etiopathology, clinical features, diagnostic tests, preventive measures and management of deep vein thrombosis.	140	231	–

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7.	Discuss the clinical features, diagnosis, clinical staging, investigations and management of malignant melanoma (2).	156	308	–
8.	Classify hemorrhage. Discuss briefly the treatment of hemorrhage.	170	121	–
9.	Definition and types of shock. Discuss etiology, pathophysiology and management of septic shock.	172	111, 114	–
10.	Classify shock. Describe clinical features of shock. Describe investigations and management of septic shock.	172	111, 114	–
11.	A 40-year-old man was brought to the hospital with 50% partial thickness burns with deep circumferential burns of right upper limb. Discuss the management and complications.	185	134	–
12.	Classify burns. Briefly outline the pathophysiology, immediate resuscitation, complications and management of burn wound.	185	130, 134	–
13.	Discuss the pathophysiology of burns. How do you manage a patient with 30% burns? Add a note on postburn sequelae (2).	185	132	–
14.	Describe the management and clinical features of secondaries in neck lymph nodes.	263	475	Aug 11

SHORT NOTES

1.	Hodgkin's disease.	118	265	–
2.	Hodgkin's lymphoma.	118	265	–
3.	Modified Perthes' test.	132	239	–
4.	Complications of varicose vein.	137	240	Aug 14
5.	Varicose ulcer.	138	249	Feb 13
6.	Deep vein thrombosis (3).	140	231	Aug 11, Feb 13

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7.	Marjolin's ulcer (3).	145	13, 24, 28	Aug 13, Feb 14
8.	Rodent ulcer (3).	146	24, 303	Aug 12
9.	Basal cell carcinoma.	146	24, 303	Feb 15
10.	Epithelioma.	151	24, 299	–
11.	Squamous cell carcinoma face (2).	151	299	–
12.	Squamous cell carcinoma.	151	299	Aug 12
13.	Malignant melanoma (2).	156	308	Aug 13
14.	Multiple organ dysfunction syndrome (MODS).	171	112, 117	–
15.	Septic shock.	173	114	–
16.	Cardiac tamponade.	175	1210	–
17.	Blood transfusion and its complication.	177, 179	124, 125	Aug 13
18.	Complications of transfusion.	179	125	Aug 15
19.	Transfusion reactions.	179	125, 126	–
20.	Autotransfusion.	180	127	–
21.	Volume expanders.	180	126	–
22.	Inhalation injury.	186	141	–
23.	Burns—fluid therapy.	187	135	Aug 11
24.	Split skin graft (3).	189	340	–
25.	Metabolic acidosis (3).	196	99	Aug 15
26.	Hypokalemia.	204	97	Aug 11
27.	Enteral nutrition.	207	102	Feb 15
28.	Lipoma (3).	215	71	Aug 12, Feb 12
29.	Neurofibroma (2).	218	90	Feb 13
30.	Classification of cyst.	232	74	–
31.	Dermoid cyst (2).	234	75	–
32.	Epidermal cyst.	236	79	–
33.	Ganglion.	238	93	Feb 13
34.	Baker's cyst (3).	240	87	–
35.	Cystic hygroma (3).	241	89, 464	–
36.	Ranula (2).	242	389	Feb 14
37.	Meningocele.	244	1188	–

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38.	Thyroglossal cyst (8).	247	487	Aug 12, Aug 13, Feb 14
39.	Branchial cyst (2).	251	459	–
40.	Branchial fistula.	253	460	–
41.	Carotid body tumor.	254	468	–
42.	Pharyngeal pouch.	256	462	–
43.	Hemangioma.	257	221	–
44.	Arteriovenous fistula.	259	225	–
45.	Cirsoid aneurysm.	262	225	–
46.	Pancoast tumor.	270	1208	–
47.	Lymph cyst (2).	–	88	Aug 12

SHORT ANSWERS

1.	Saphena varix.	130	238, 822	Aug 13
2.	Sclerosing agents.	135	242	–
3.	Varicose vein complications.	137	240	–
4.	Venous ulcer.	64, 138	249	–
5.	Rodent ulcer.	146	24, 303	–
6.	Melanoma.	156	308	–
7.	Reactionary hemorrhage.	170	121	–
8.	Blood transfusion.	177	124	–
9.	Indications for blood transfusion.	177	124	Feb 15
10.	Parkland's formula for burns.	187	135	Aug 13
11.	Split skin graft (SSG).	189	340	Feb 13
12.	Thiersch skin graft.	189	340	–
13.	Flaps.	190	344	Feb 14
14.	Causes of hypercalcemia.	205	532	–
15.	Lipoma.	214	71	–
16.	Dercum disease (2).	215	71	Feb 13
17.	Name four sarcomas, which predominantly spread by lymphatic route.	225	292	–
18.	Kaposi 's sarcoma.	230	328	–
19.	Cystic hygroma (2).	241	89, 464	Aug 15

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20. Lymphangioma.	241	88	Feb 13
21. Ranula.	242	389	Feb 13
22. Name four swellings, which give cross-fluctuation.	243	94	–
23. Thyroglossal cyst.	247	487	–
24. Hemangioma (2).	257	221	Aug 11, Feb 14
25. Arteriovenous (AV) fistula.	259	225	–
26. Branham sign.	262	228	–
27. False aneurysm.	–	202	–

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17. Oral Cavity, Odontomes Lip and Palate
18. Salivary Glands
19. Thyroid Gland
20. Parathyroid and Adrenals
21. Breast

ESSAYS

	MNPL	SRB	Recent Years
1. Describe the pathology, clinical features, investigations and management of carcinoma buccal mucosa.	277	396	–
2. Discuss the etiology, pathology and surgical management of carcinoma tongue.	283	417	Feb 14
3. Discuss the differential diagnosis of ulcers of the tongue. Outline the management of early carcinoma tongue.	291, 285	415, 421	–
4. Describe the surgical anatomy of parotid gland and discuss the etiology, clinical features, diagnosis and management of pleomorphic adenoma (2).	302, 307	431, 441	–
5. Classify parotid tumors. How will you evaluate parotid swelling? What are the principles of managing different malignant parotid tumors?	307	440	Aug 15
6. Classify salivary gland tumors. Discuss clinical features, investigations and management of pleomorphic adenoma of parotid gland (2).	307	440, 441	Aug 13
7. Describe the surgical anatomy of thyroid gland. Discuss etiology, clinical features, diagnosis and management of solitary nodule of thyroid.	319, 350	484, 494	–

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8.	Classify the swellings of thyroid. Discuss the signs, symptoms, investigations and management of secondary thyrotoxicosis.	326, 331	490, 499	–
9.	Classification of goiter. Discuss the types, etiology, pathology, clinical features, investigations and management of thyrotoxicosis. Add a note on the complications following thyroid surgery (2).	326, 331, 1164	490, 499, 525	–
10.	Describe in detail the clinical features and management of a multinodular goiter.	327	491	Aug 14
11.	Describe the clinical features, investigations and management of thyrotoxicosis (2).	331	499	–
12.	Discuss the clinical features and the management of diffuse toxic goiter.	331	499	–
13.	Discuss the etiopathology, clinical findings, investigations and management of malignancy of thyroid.	338	509	–
14.	Discuss the clinical features and the management of papillary carcinoma of thyroid gland.	338	510	–
15.	Describe in detail the diagnosis and management of a nodule in thyroid.	350	494	Aug 11
16.	Discuss etiology, pathology, clinical features and surgical management of parathyroid adenoma.	363	532	–
17.	Describe the surgical anatomy of the breast. Write the etiology, pathology, clinical features and treatment of fibroadenosis of the breast.	378, 385	544, 551	–
18.	Surgical anatomy of breast. Details about fibroadenoma breast.	378, 388	544, 548	–
19.	Describe the lymphatic drainage of breast. Write about etiology, clinical features and staging of carcinoma breast.	378, 393	546, 563	–

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20.	Discuss the benign lesions of the breast and describe the clinical features, pathology and management of carcinoma of breast.	379, 393	548, 563	–
21.	Etiopathogenesis, clinical features and management of carcinoma breast (T2N1M0).	393	563	–
22.	Clinical features and management of carcinoma breast (T2N2M0).	393	563	–
23.	Discuss the etiology, clinical features, pathology, investigations and management of carcinoma of breast (2).	393	563	Aug 12
24.	Discuss the spread of cancer of the breast.	400	569	–
25.	How is breast cancer staged? What is the treatment of stage I and stage II breast cancer?	401, 406	573, 579	Feb 15

SHORT NOTES

1.	Predisposing factors and premalignant conditions in oral cavity malignancy.	273	394	Feb 15
2.	Management of carcinoma tongue.	283	421	–
3.	Tongue tie.	–	417	–
4.	Dental cyst (2).	292	385	–
5.	Adamantinoma (2).	293	383	–
6.	Epulis.	295	382	–
7.	Alveolar abscess.	–	386	–
8.	Parotid abscess.	304	438	–
9.	Submandibular salivary gland.	304	432	Feb 12
10.	Mixed parotid tumor (2).	307	441	Feb 13
11.	Parotid tumors.	307	441	Aug 11
12.	Pleomorphic adenoma.	307	441	Aug 11
13.	Warthin's tumor (2).	311	444	Feb 14
14.	Peripheral nerve injury.	316	273	–
15.	Retrosternal goiter.	331	497	–
16.	Radioactive iodine (2).	337	508	Aug 15

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17.	Papillary carcinoma thyroid.	338	510	–
18.	Solitary thyroid nodule (2).	350	494	Aug 14
19.	Hashimoto's thyroiditis (3).	354	519	Aug 15
20.	Riedel's thyroiditis.	355	520	–
21.	Post-thyroidectomy complications (2).	355	524	Feb 13
22.	Thyroid storm.	356	525	Feb 14
23.	Differential diagnosis of hyperparathyroidism.	363	532	–
24.	Parathyroid adenoma.	363	532	–
25.	Conn's syndrome.	369	540	–
26.	Pheochromocytoma.	372	542	–
27.	Acute bacterial mastitis.	379	555	–
28.	Breast abscess (2).	379	556	Feb 13
29.	Cystosarcoma phyllodes (4).	382	552	Aug 14
30.	Mastalgia.	386	553	Feb 15
31.	Fibroadenoma breast (8).	388	548	Aug 11, Aug 12, Aug 14
32.	Nipple retraction.	398	597	–
33.	Fine-needle aspiration cytology (FNAC) (3).	402	289	–

SHORT ANSWERS

1.	Name four premalignant conditions of oral cavity.	273	394	–
2.	Premalignant lesions of oral cavity.	273	394	Aug 12
3.	Leukoplakia.	273	392	–
4.	Submucous fibrosis.	274	393	Aug 15
5.	Differential diagnosis of ulcer tongue.	291	415	–
6.	Dentigerous cyst.	293	384	Feb 14
7.	Adamantinoma (2).	293	383	Feb 13, Aug 15
8.	Tongue tie.	–	417	Aug 12, Aug 14
9.	Danger area of face.	–	–	Feb 12
10.	Frey syndrome (3).	314	452	Feb 13, Aug 14

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11.	Exophthalmos.	333	503	Feb 14
12.	Pretibial myxedema (2).	335	504	Aug 13, Feb 15
13.	Antithyroid drugs.	336	506	–
14.	Radioactive iodine.	337	508	Aug 12
15.	Iodine 131.	337	508	–
16.	Lateral aberrant thyroid.	341	489	Aug 13
17.	Multiple endocrine neoplasia (MEN) type II.	348	536	–
18.	Hashimoto's thyroiditis.	354	519	Aug 11
19.	Lingual thyroid (2).	357	486	Feb 12, Aug 12
20.	Trousseaus sign.	362	538	–
21.	Tetany.	362	537	Aug 11
22.	Lymphatic drainage of breast.	378	546	–
23.	Breast abscess.	379	556	–
24.	Antibioma (2).	18, 381	42, 558	Aug 12
25.	Cystosarcoma phyllodes.	382	552	Aug 11
26.	Phyllodes tumor.	382	552	Aug 14
27.	Aberrations of normal development and involution (ANDI) (2).	384	548	Feb 13
28.	Galactocele.	390	554	Feb 14
29.	Gynecomastia.	392	560	–
30.	Triple assessment of breast lump.	400	574	Aug 15
31.	List out four investigations in case of breast lump.	400	574	–
32.	FNAC (2).	402	289	Feb 13
33.	Trucut biopsy.	402	289	Feb 14
34.	QUART* regimen.	407	588	–
35.	QUART.	407	588	Aug 12, Aug 14
36.	Neoadjuvant therapy.	412	755	Aug 11, Aug 14
37.	Mondor's disease.	421	558	–

*QUART—quadrantectomy, axillary dissection and radiotherapy.

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QUESTION BANK

FOR FINAL YEAR MBBS (1990-2015)

Salient Features

- This book contains questions which have appeared under The Tamil Nadu Dr MGR Medical University for all subjects of final year MBBS from 1990-2015.
- Questions have been arranged chapterwise based on reputed textbooks with essay, short note & short answer divisions.
- Reference page numbers of the answers from two reputed textbooks have been provided (except for Medicine & Pediatrics).
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- The number of times a question has been repeated between 1990 and 2015, is mentioned within brackets along with the respective question.



Sanoob Sahabdeen MBBS graduated from Sree Mookambika Institute of Medical Sciences, Kanyakumari, Tamil Nadu. He was a brilliant and hardworking student with outstanding academic record. He has written this book to help his juniors in his college, which is being published to widen its reach and help other students.

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