

# Competency Based Questions and Answers in Pathology

for Second MBBS Professional Examination

The main objective of this book is to introduce to the undergraduate students the subject of pathology in a simplified manner in the form of questions and answers. The new CBME curriculum brings with it a finely structured method of learning both theory and practical aspects of pathology. Also, the upcoming pattern of evaluation is another overwhelming change that a student must gear up for NEXT. Keeping these two new developments in mind, the questions are framed using the competencies enumerated in the subject curriculum, and the answers are written in a structured format using bulleted points to ease learning, understanding and memorizing.

#### Salient Features

- All competencies of under **CBME Guidelines** and **Competency Based Undergraduate Curriculum for the Indian Medical Graduate** have been covered
- Question-Answer format makes it reader-friendly
- Questions have been categorized into long essays, short essays, and short answers with appropriate marks weightage
- Both traditional and structured long essays have been covered
- Questions are based on higher order cognition such as reasoning ability, analysis, and interpretation
- Interpretation of patient data and image-based questioning
- Answers are brief, structured with bulleted points, and can be easily assimilated, remembered and reproduced
- Questions pertaining to small group discussion (SGD) and DOAP topics are also addressed
- Line diagram, tables, flowcharts and algorithms add value to the answers
- Specially hand-drawn and easily reproducible microscopic images have been introduced
- MCQs based on case scenarios arranged competency-wise
- Fill in the blanks questions cater to high-yield points for quick revision

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for Second MBBS Professional Examination

Compiled and designed as per  
CBME Guidelines | Competency Based Undergraduate Curriculum  
for the Indian Medical Graduate

- 113 Long Essays
- 361 Short Essays
- 556 Short Answers
- 573 MCQs

Vardendra Kulkarni  
Soumya BM

Sushrutha Academy

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## Details of the Number of Questions and MCQs Included as per the Competency

Sl. No.	Competency No.	Competency Details	Long Essays	Short Essays	Short Answers	MCQs
<b>1. Introduction to Pathology</b>						
1	PA1.1	Describe the role of a pathologist in diagnosis and management of disease	—	—	02	03
2	PA1.2	Enumerate common definitions and terms used in pathology	—	01	—	03
3	PA1.3	Describe the history and evolution of pathology	—	02	01	03
<b>2. Cell Injury and Adaptation</b>						
4	PA2.1	Demonstrate knowledge of the causes, mechanisms, types and effects of cell injury and their clinical significance	01	02	06	03
5	PA2.2	Describe the etiology of cell injury. Distinguish between reversible-irreversible injury: mechanisms; morphology of cell injury	—	02	02	03
6	PA2.3	Intracellular accumulation of fats, proteins, carbohydrates, pigments	01	04	13	03
7	PA2.4	Describe and discuss cell death—types, mechanisms, necrosis, apoptosis (basic as contrast with necrosis) and autolysis	02	04	09	03
8	PA2.5	Describe and discuss pathologic calcifications, gangrene	—	04	04	03
9	PA2.6	Describe and discuss cellular adaptations: atrophy, hypertrophy, hyperplasia, metaplasia, and dysplasia	—	07	04	03
10	PA2.7	Describe and discuss the mechanisms of cellular aging and apoptosis	—	01	03	03
11	PA2.8	Identify and describe various forms of cell injuries, their manifestations and consequences in gross and microscopic specimens	—	—	02	03
<b>3. Amyloidosis</b>						
12	PA3.1	Describe the pathogenesis and pathology of amyloidosis	03	01	02	03
13	PA3.2	Identify and describe amyloidosis in a pathology specimen	—	01	01	03
<b>4. Inflammation</b>						
14	PA4.1	Define and describe the general features of acute and chronic inflammation including stimuli, vascular and cellular events	02	08	11	03
15	PA4.2	Enumerate and describe the mediators of acute inflammation	01	04	04	03
16	PA4.3	Define and describe chronic inflammation including causes, types enumerate types, non-specific and granulomatous; and examples of each	02	01	06	03
17	PA4.4	Identify and describe acute and chronic inflammation in gross and microscopic specimens	—	—	07	03
<b>5. Healing and Repair</b>						
18	PA5.1	Define and describe the process of repair and regeneration including wound healing and its types	02	05	07	03
<b>6. Hemodynamic Disorders</b>						
19	PA6.1	Define and describe edema, its types, pathogenesis and clinical correlations	01	03	08	03
20	PA6.2	Define and describe hyperemia, congestion, hemorrhage	—	02	03	03
21	PA6.3	Define and describe shock, its pathogenesis and stages	02	01	02	03
22	PA6.4	Describe the etiopathogenesis and consequences of thrombosis	02	03	09	03
23	PA6.5	Define and describe embolism and its causes and common types	01	03	08	03
24	PA6.6	Define and describe ischemia/infarction, its types, etiology, morphologic changes and clinical effects	—	01	03	03
25	PA6.7	Identify and describe the gross and microscopic features of infarction in a pathology specimen	—	01	—	03
<b>7. Neoplastic Disorders</b>						
26	PA7.1	Define and classify neoplasia. Describe the characteristics of neoplasia including gross, microscopy, biologic, behaviour and spread. Differentiate between benign from malignant neoplasms	02	11	14	03

Sl. No.	Competency No.	Competency Details	Long Essays	Short Essays	Short Answers	MCQs
27	PA7.2	Describe the molecular basis of cancer	02	12	06	03
28	PA7.3	Enumerate carcinogens and describe the process of carcinogenesis	02	02	06	03
29	PA7.4	Describe the effects of tumor on the host including paraneoplastic syndrome	—	05	04	03
30	PA7.5	Describe immunology and the immune response to cancer	—	02	—	03
<b>8. Basic Diagnostic Cytology</b>						
31	PA8.1	Describe the diagnostic role of cytology and its application in clinical care	—	04	03	03
32	PA8.2	Describe the basis of exfoliative cytology including the technique and stains used	—	04	06	03
33	PA8.3	Observe a diagnostic cytology and its staining and interpret the specimen	—	03	—	03
<b>9. Immunopathology and AIDS</b>						
34	PA9.1	Describe the principles and mechanisms involved in immunity	—	04	06	03
35	PA9.2	Describe the mechanism of hypersensitivity reactions	—	07	—	03
36	PA9.3	Describe the HLA system and the immune principles involved in transplant and mechanism of transplant rejection	—	04	03	03
37	PA9.4	Define autoimmunity. Enumerate autoimmune disorders	02	03	02	03
38	PA9.5	Define and describe the pathogenesis of systemic lupus erythematosus	01	02	03	03
39	PA9.6	Define and describe the pathogenesis and pathology of HIV and AIDS	01	03	03	03
40	PA9.7	Define and describe the pathogenesis of other common autoimmune diseases	—	01	01	03
<b>10. Infections and Infestations</b>						
41	PA10.1	Define and describe the pathogenesis and pathology of malaria	—	02	03	03
42	PA10.2	Define and describe the pathogenesis and pathology of cysticercosis	—	01	01	03
43	PA10.3	Define and describe the pathogenesis and pathology of leprosy	01	—	02	03
44	PA10.4	Define and describe the pathogenesis and pathology of common bacterial, viral, protozoal and helminthic diseases	—	08	06	03
<b>11. Genetic and Paediatric Diseases</b>						
45	PA11.1	Describe the pathogenesis and features of common cytogenetic abnormalities and mutations in childhood	01	09	10	03
46	PA11.2	Describe the pathogenesis and pathology of tumour and tumour like conditions in infancy and childhood	—	04	05	03
47	PA11.3	Describe the pathogenesis of common storage disorders in infancy and childhood	—	03	01	03
<b>12. Environmental and Nutritional Diseases</b>						
48	PA12.1	Enumerate and describe the pathogenesis of disorders caused by air pollution, tobacco and alcohol	—	03	02	03
49	PA12.2	Describe the pathogenesis of disorders caused by protein calorie malnutrition and starvation	—	01	02	03
50	PA12.3	Describe the pathogenesis of obesity and its consequences	—	02	02	03
<b>13. Introduction to Haematology</b>						
51	PA13.1	Describe hematopoiesis and extramedullary hematopoiesis	01	---	05	03
52	PA13.2	Describe the role of anticoagulants in hematology	—	01	03	03
53	PA13.3	Define and classify anemia	01	---	03	03
54	PA13.4	Enumerate and describe the investigation of anemia	01	01	02	03
55	PA13.5	Perform, identify and describe the peripheral blood picture in anemia	—	04	02	03
<b>14. Microcytic Anemia</b>						
56	PA14.1	Describe iron metabolism	01	01	04	03
57	PA14.2	Describe the etiology, investigations and differential diagnosis of microcytic hypochromic anemia	01	01	04	03

Sl. No.	Competency No.	Competency Details	Long Essays	Short Essays	Short Answers	MCQs
58	PA14.3	Identify and describe the peripheral smear in microcytic anemia	—	01	—	03
<b>15. Macrocytic Anemia</b>						
59	PA15.1	Describe the metabolism of vitamin B12 and the etiology and pathogenesis of B12 deficiency	02	02	02	03
60	PA15.2	Describe laboratory investigations of macrocytic anemia	—	02	02	03
61	PA15.3	Identify and describe the peripheral smear in macrocytic anemia	—	01	01	03
62	PA15.4	Enumerate the differences and describe the distinguishing features of megaloblastic and non-megaloblastic macrocytic anemia	—	01	—	03
<b>16. Hemolytic Anemia</b>						
63	PA16.1	Define and classify hemolytic anemia	—	01	02	03
64	PA16.2	Describe the pathogenesis and clinical features and hematologic indices of hemolytic anemia	—	04	03	03
65	PA16.3	Describe the pathogenesis, features, hematologic indices and peripheral blood picture of sickle cell anemia and thalassemia	02	02	07	03
66	PA16.4	Describe the etiology, pathogenesis, hematologic indices and peripheral blood picture of acquired hemolytic anemia	01	01	01	03
67	PA16.5	Describe the peripheral blood picture in different hemolytic anaemias	01	01	02	03
68	PA16.6	Prepare a peripheral blood smear and identify hemolytic anaemia from it	—	01	01	03
69	PA16.7	Describe the correct technique to perform a cross match	—	01	—	03
<b>17. Aplastic Anemia</b>						
70	PA17.1	Enumerate the etiology, pathogenesis and findings in aplastic anemia	01	—	01	03
71	PA17.2	Enumerate the indications and describe the findings in bone marrow aspiration and biopsy	—	01	02	03
<b>18. Leukocyte Disorders</b>						
72	PA18.1	Enumerate and describe the causes of leucocytosis leucopenia, lymphocytosis and leukemoid reaction	—	03	04	03
73	PA18.2	Describe the etiology, genetics, pathogenesis classification, features and hematologic features of acute and chronic leukemia	04	03	07	03
<b>19. Lymph Node and Spleen</b>						
74	PA19.1	Enumerate the causes and describe the differentiating features of lymphadenopathy	—	01	02	03
75	PA19.2	Describe the pathogenesis and pathology of tuberculous lymphadenitis	—	01	—	03
76	PA19.3	Identify and describe the features of tuberculous lymphadenitis in a gross and microscopic specimen	—	01	—	03
77	PA19.4	Describe and discuss the pathogenesis, pathology and the differentiating features of Hodgkin's and non-Hodgkin's lymphoma	01	04	05	03
78	PA19.5	Identify and describe the features of Hodgkin's lymphoma in a gross and microscopic specimen	—	01	—	03
79	PA19.6	Enumerate and differentiate the causes of splenomegaly	—	02	04	03
80	PA19.7	Identify and describe the gross specimen of an enlarged spleen	—	01	01	03
<b>20. Plasma Cell Disorders</b>						
81	PA20.1	Describe the features of plasma cell myeloma	01	01	03	04
<b>21. Hemorrhagic Disorders</b>						
82	PA21.1	Describe normal haemostasis and haemophilia	01	03	12	03
83	PA21.2	Classify and describe the aetiology, pathogenesis and pathology of vascular and platelet disorders including ITP	01	04	01	03
84	PA21.3	Differentiate platelet from clotting disorders based on the clinical and hematologic features	—	02	01	03
85	PA21.4	Define and describe disseminated intravascular coagulation, its laboratory findings and diagnosis of disseminated intravascular coagulation	01	—	02	03

Details of the Number of Questions and MCQs...

Sl. No.	Competency No.	Competency Details	Long Essays	Short Essays	Short Answers	MCQs
86	PA21.5	Define and describe disseminated intravascular coagulation, its laboratory findings and diagnosis of vitamin K deficiency	—	—	02	03
<b>22. Blood Banking and Transfusion</b>						
87	PA22.1	Classify and describe blood group systems (ABO and Rh)	—	03	03	05
88	PA22.2	Enumerate the indications, describe the principles, enumerate and demonstrate the steps of compatibility testing	—	01	02	03
89	PA22.4	Enumerate blood components and describe their clinical uses	—	02	06	03
90	PA22.5	Enumerate and describe infections transmitted by blood transfusion	—	01	02	03
91	PA22.6	Describe transfusion reactions and enumerate the steps in the investigation of a transfusion reaction	01	—	02	03
92	PA22.7	Enumerate the indications and describe the principles and procedure of autologous transfusion	—	—	01	01
<b>23. Clinical Pathology</b>						
93	PA23.1	Describe abnormal urinary findings in disease states and identify and describe common urinary abnormalities in a clinical specimen	—	03	06	03
94	PA23.2	Describe abnormal findings in body fluids in various disease states	—	03	02	03
95	PA23.3	Describe and interpret the abnormalities in a panel containing semen analysis	—	01	01	03
<b>24. Gastrointestinal Tract</b>						
96	PA24.1	Describe the etiology, pathogenesis, pathology and clinical features of oral cancers including salivary gland tumours	01	05	05	03
97	PA24.2	Describe the etiology, pathogenesis, pathology, and microbiology, clinical and microscopic features of peptic ulcer disease	01	—	02	03
98	PA24.3	Describe and identify the microscopic features of peptic ulcer. Include slides of pleomorphic adenoma and specimen of CA stomach, CA colon, TB intestine, peptic ulcer	—	—	08	03
99	PA24.4	Describe the etiology and pathogenesis and pathologic features of carcinoma of the stomach	01	02	04	05
100	PA24.5	Describe the etiology, pathogenesis and pathologic features of tuberculosis of the intestine	01	—	01	03
101	PA24.6	Describe the etiology, pathogenesis and pathologic and distinguishing features of inflammatory bowel disease	01	—	05	03
102	PA24.7	Describe the etiology, pathogenesis, pathology and distinguishing features of carcinoma of the colon	01	02	03	03
<b>25. Hepatobiliary System</b>						
103	PA25.1	Describe bilirubin metabolism, enumerate the etiology and pathogenesis of jaundice, distinguish between direct and indirect hyperbilirubinemia	02	03	03	03
104	PA25.2	Describe the pathophysiology and pathologic changes seen in hepatic failure and their clinical manifestations, complications and consequences	01	—	02	03
105	PA25.3	Describe the etiology and pathogenesis of viral and toxic hepatitis: distinguish the causes of hepatitis based on the clinical and laboratory features. Describe the pathology, complications and consequences of hepatitis	02	03	04	05
106	PA25.4	Describe the pathophysiology, pathology and progression of alcoholic liver disease including cirrhosis	02	05	05	04
107	PA25.5	Describe the etiology, pathogenesis and complications of portal hypertension	01	—	01	03
108	PA25.6	Interpret liver function and viral hepatitis serology panel. Distinguish obstructive from non-obstructive jaundice based on clinical features and liver function tests	—	06	01	03
<b>26. Respiratory System</b>						
109	PA26.1	Define and describe the etiology, types, pathogenesis, stages, morphology and complications of pneumonia	01	01	05	03

Sl. No.	Competency No.	Competency Details	Long Essays	Short Essays	Short Answers	MCQs
110	PA26.2	Describe the etiology, gross and microscopic appearance and complications of lung abscess	01	—	---	03
111	PA26.3	Define and describe the etiology, types, pathogenesis, stages, morphology and complications and evaluation of obstructive airway disease (OAD)	03	02	03	05
112	PA26.4	Define and describe the etiology, types, pathogenesis, stages, morphology microscopic appearance and complications of tuberculosis	01	—	02	03
113	PA26.5	Define and describe the etiology, types, exposure, environmental influence, pathogenesis, stages, morphology, microscopic appearance and complications of occupational lung disease	01	02	02	03
114	PA26.6	Define and describe the etiology, types, exposure, genetics environmental influence, pathogenesis, stages, morphology, microscopic appearance, metastases and complications of tumours of the lung and pleura	01	02	02	03
115	PA26.7	Define and describe the etiology, types, exposure, genetics environmental influence, pathogenesis, morphology, microscopic appearance and complications of mesothelioma	—	01	—	03
<b>27. Cardiovascular System</b>						
116	PA27.1	Distinguish arteriosclerosis from atherosclerosis. Describe the pathogenesis and pathology of various causes and types of arteriosclerosis	01	05	09	03
117	PA27.2	Describe the etiology, dynamics, pathology types and complications of aneurysms including aortic aneurysms	02	—	04	03
118	PA27.3	Describe the etiology, types, stages, pathophysiology, pathology and complications of heart failure	01	01	04	03
118	PA27.4	Describe the etiology, pathophysiology, pathology, gross and microscopic features, criteria and complications of rheumatic fever	01	02	02	03
119	PA27.5	Describe the epidemiology, risk factors, etiology, pathophysiology, pathology, presentations, gross and microscopic features, diagnostic tests and complications of ischemic heart disease	01	03	05	04
120	PA27.6	Describe the etiology, pathophysiology, pathology, gross and microscopic features, diagnosis and complications of infective endocarditis	01	01	—	03
121	PA27.7	Describe the etiology, pathophysiology, pathology, gross and microscopic features, diagnosis and complications of pericarditis and pericardial effusion	—	01	—	03
122	PA27.8	Interpret abnormalities in cardiac function testing in acute coronary syndromes	—	01	—	03
123	PA27.9	Classify and describe the etiology, types, pathophysiology, pathology, gross and microscopic features, diagnosis and complications of cardiomyopathies	—	03	—	03
124	PA27.10	Describe the etiology, pathophysiology, pathology, clinical features and complications of syphilis on the cardiovascular system	—	—	01	03
<b>28. Urinary Tract</b>						
125	PA28.1	Describe the normal histology of the kidney	—	01	03	03
126	PA28.2	Define, classify and distinguish the clinical syndromes and describe the etiology, pathogenesis, pathology, morphology, clinical and laboratory and urinary findings, complications of renal failure	—	03	01	03
127	PA28.3	Define and describe the etiology, precipitating factors, pathogenesis, pathology, laboratory urinary findings, progression and complications of acute renal failure	—	01	02	03
128	PA28.4	Define and describe the etiology, precipitating factors, pathogenesis, pathology, laboratory urinary findings progression and complications of chronic renal failure	—	02	—	03
129	PA28.5	Define and classify glomerular diseases. Enumerate and describe the etiology, pathogenesis, mechanisms of glomerular injury, pathology, distinguishing features and clinical manifestations of glomerulonephritis	02	06	03	03

Sl. No.	Competency No.	Competency Details	Long Essays	Short Essays	Short Answers	MCQs
130	PA28.6	Define and describe the etiology, pathogenesis, pathology, laboratory, urinary findings, progression and complications of IgA nephropathy	—	01	01	03
131	PA28.7	Enumerate and describe the findings in glomerular manifestations of systemic disease	01	01	02	03
132	PA28.8	Enumerate and classify diseases affecting the tubular interstitium	—	01	—	03
133	PA28.9	Define and describe the etiology, pathogenesis, pathology, laboratory, urinary findings, progression and complications of acute tubular necrosis	01	—	01	03
134	PA28.10	Describe the etiology, pathogenesis, pathology, laboratory findings, distinguishing features progression and complications of acute and chronic pyelonephritis and reflux nephropathy	01	01	01	03
135	PA28.11	Define, classify and describe the etiology, pathogenesis, pathology, laboratory, urinary findings, distinguishing features progression and complications of vascular disease of the kidney	—	03	03	03
136	PA28.12	Define, classify and describe the genetics, inheritance, etiology, pathogenesis, pathology, laboratory, urinary findings, distinguishing features, progression and complications of cystic disease of the kidney	01	02	01	03
137	PA28.13	Define, classify and describe the etiology, pathogenesis, pathology, laboratory, urinary findings, distinguishing features, progression and complications of renal stone disease and obstructive uropathy	—	02	03	03
138	PA28.14	Classify and describe the etiology, genetics, pathogenesis, pathology, presenting features, progression and spread of renal tumours	01	—	03	03
139	PA28.15	Describe the etiology, genetics, pathogenesis, pathology, presenting features and progression of thrombotic angiopathies	—	01	01	02
140	PA28.16	Describe the etiology, genetics, pathogenesis, pathology, presenting features and progression of urothelial tumours	—	01	01	03
<b>29. Male Genital Tract</b>						
141	PA29.1	Classify testicular tumours and describe the pathogenesis, pathology, presenting and distinguishing features, diagnostic tests, progression and spread of testicular tumours	02	02	03	04
142	PA29.2	Describe the pathogenesis, pathology, presenting and distinguishing features, diagnostic tests, progression and spread of carcinoma of the penis	01	01	02	02
143	PA29.3	Describe the pathogenesis, pathology, hormonal dependency presenting and distinguishing features, urologic findings and diagnostic tests of benign prostatic hyperplasia	01	—	01	03
144	PA29.4	Describe the pathogenesis, pathology, hormonal dependency presenting and distinguishing features, diagnostic tests, progression and spread of carcinoma of the prostate	01	—	01	03
145	PA29.5	Describe the etiology, pathogenesis, pathology and progression of prostatitis	—	01	—	03
<b>30. Female Genital Tract</b>						
146	PA30.1	Describe the epidemiology, pathogenesis, etiology, pathology, Screening, diagnosis and progression of carcinoma of the cervix	01	03	03	03
147	PA30.2	Describe the pathogenesis, etiology, pathology, diagnosis and progression and spread of carcinoma of the endometrium	01	01	02	03
148	PA30.3	Describe the pathogenesis, etiology, pathology, diagnosis and progression and spread of carcinoma of the leiomyomas and leiomyosarcomas	—	02	01	03
149	PA30.4	Classify and describe the etiology, pathogenesis, pathology, morphology, clinical course, spread and complications of ovarian tumours	02	01	02	03
150	PA30.5	Describe the etiology, pathogenesis, pathology, morphology, clinical course, spread and complications of gestational trophoblastic neoplasms	01	02	02	03
151	PA30.6	Describe the etiology and morphologic features of cervicitis	—	—	02	03



Sl. No.	Competency No.	Competency Details	Long Essays	Short Essays	Short Answers	MCQs
152	PA30.7	Describe the etiology, hormonal dependence, features and morphology of endometriosis	01	—	01	03
153	PA30.8	Describe the etiology and morphologic features of adenomyosis	—	01	—	03
154	PA30.9	Describe the etiology, hormonal dependence and morphology of endometrial hyperplasia	—	02	01	03
<b>31. Breast</b>						
155	PA31.1	Classify and describe the types, etiology, pathogenesis, hormonal dependency of breast pathology and benign disease	—	02	02	03
156	PA31.2	Classify and describe the epidemiology, pathogenesis, classification, morphology, prognostic factors, hormonal dependency, staging and spread of carcinoma of the breast	01	04	05	03
157	PA31.3	Describe and identify the morphologic and microscopic features of carcinoma of the breast	—	—	02	03
158	PA31.4	Enumerate and describe the etiology, hormonal dependency and pathogenesis of gynecomastia	—	01	—	03
<b>32. Endocrine System</b>						
159	PA32.1	Enumerate, classify and describe the etiology, pathogenesis, and pathology and iodine dependency of thyroid swellings	01	03	05	11
160	PA32.2	Describe the etiology, cause, iodine dependency, pathogenesis, manifestations, laboratory and imaging features and course of thyrotoxicosis	—	02	04	03
161	PA32.3	Describe the etiology, pathogenesis, manifestations, laboratory and imaging features and course of thyrotoxicosis/hypothyroidism	—	03	03	08
162	PA32.4	Classify and describe the epidemiology, etiology, pathogenesis, pathology, clinical laboratory features, complications and progression of diabetes mellitus	01	03	03	06
163	PA32.5	Describe the etiology, genetics, pathogenesis, manifestations, laboratory and morphologic features of hyperparathyroidism	—	02	01	02
164	PA32.6	Describe etiology, pathogenesis, manifestations, laboratory, morphologic features, complications and metastases of pancreatic cancer	—	01	03	03
165	PA32.7	Describe the etiology, pathogenesis, manifestations, laboratory, morphologic features, and complications of adrenal insufficiency	—	01	02	04
166	PA32.8	Describe the etiology, pathogenesis, manifestations, laboratory, and morphologic features, and complications of Cushing's syndrome	—	02	02	07
167	PA32.9	Describe the etiology, pathogenesis, manifestations, laboratory and morphologic features of adrenal neoplasms	—	—	—	04
<b>33. Bone and Soft Tissue</b>						
168	PA33.1	Classify and describe the etiology, pathogenesis, manifestations, radiologic and morphologic features and complications of osteomyelitis	01	01	01	03
169	PA33.2	Classify and describe the etiology, pathogenesis, manifestations, radiologic and morphologic features and complications and metastases of bone tumours	01	04	04	03
170	PA33.3	Classify and describe the etiology, pathogenesis, manifestations, radiologic and morphologic features and complications and metastases of soft tissue tumours	—	03	02	03
171	PA33.4	Classify and describe the etiology, pathogenesis, manifestations, radiologic and morphologic features and complications of Paget's disease of the bone	01	—	02	03
172	PA33.5	Classify and describe the etiology, Immunology, pathogenesis, manifestations, radiologic and laboratory features, diagnostic criteria and complications of rheumatoid arthritis	01	01	02	04
<b>34. Skin</b>						
173	PA34.1	Describe the risk factors, pathogenesis, pathology and natural history of squamous cell carcinoma of the skin	01	—	—	03

Details of the Number of Questions and MCQs...

Sl. No.	Competency No.	Competency Details	Long Essays	Short Essays	Short Answers	MCQs
174	PA34.2	Describe the risk factors pathogenesis, pathology and natural history of basal cell carcinoma of the skin	01	—	—	03
175	PA34.3	Describe the distinguishing features between a nevus and melanoma. Describe the etiology, pathogenesis, risk factors morphology, clinical features and metastases of melanoma	01	01	02	03
176	PA34.4	Identify, distinguish and describe common tumours of the skin	—	01	03	03
<b>35. Central Nervous System</b>						
177	PA35.1	Describe the etiology, types and pathogenesis, differentiating factors and CSF findings in meningitis	—	02	05	03
178	PA35.2	Classify and describe the etiology, genetics, pathogenesis, pathology, presentation, sequelae and complications of CNS tumours	01	04	05	03
179	PA35.3	Identify the etiology of meningitis based on given CSF parameters	—	—	01	03
<b>36. Eye</b>						
180	PA 36.1	Describe the etiology, genetics, pathogenesis, morphology, presentation, sequelae and complications of retinoblastoma	01	—	01	03
<b>Total Content</b>			<b>113</b>	<b>361</b>	<b>556</b>	<b>572</b>

Total Number of Fill in the Blanks: 200