

# SHORT NOTES

1. **Gangrenous necrosis with emphasis on the differences between dry and wet gangrene**(Pondicherry university 2018)
  2. **Tabulate the differences between necrosis and degeneration** (NTRUHS Feb 2017)
  3. **Mechanisms of apoptosis** ( NTRUHS Jan 2015, RGUHS Jan 2008)
  4. **Tabulate the differentiating features of Necrosis and Apoptosis** (NTRUHS Jan 2014)
  5. **Name four types of necrosis with one example each** (NTRUHS July 2019, Feb 2018, July 2016, July 2013)
  6. **Morphological changes in apoptosis** (NTRUHS Feb 2019)
  7. **Metaplasia–**
  8. **Name four morphologic changes (cytoplasmic & Nuclear) in necrotic cell** ( NTRUHS Jan 2013)
  9. **Lipofuscin** (NTRUHS July 2013)
  10. **Autophagy** (NTRUHS Jan 2012)
  11. **Name four special fat stains** (NTRUHS Jan 2016, July 2012, Jun 2009)
  12. **Hypertrophy and Hyperplasia** (NTRUHS July 2011)
  13. **Pathogenesis of dystrophic calcification** (NTRUHS Jan 2011, RGUHS- Jun 2009)
  14. **Metastatic calcification** ( RGUHS Jan 2008)
  15. **Lipofuscin pigment** (Jul 2012, RGUHS, Jan 2008)
  16. **Types of calcifications** (RGUHS, Jan 2008)
  17. **Enumerate exogenous and endogenous pigment** (RGUHS, July 2008)
  18. **Various types of giant cells** (NTRUHS Aug 2009)
  19. **Dysplasia** (NTRUHS April 2005)
  20. **Atrophy** (NTRUHS April 2005, RGUHS Jun 2012)
  21. **Oochronosis** (RGUHS Dec 2013)
  22. **What is gangrene** ( RGUHS- Jan 2009)
  23. **Wet Gangrene** (July 2012)
  24. **Gas gangrene** (RGUHS- Jun2008)
  25. **Colliquative necrosis** (RGUHS Jun 2011)
  26. **Caseous necrosis** (RGUHS Jun 2010)
  27. **Fatty change** (RGUHS- Jun 2009)
  28. **Calcification with Examples** (RGUHS-Jan 2008)
  29. **Fat necrosis** ( RGUHS – Jun2008)
  30. **What is Apoptosis** (RGUHS- Jun 2009)
  31. **Antioxidants** (RGUHS-Jun 2009)
  32. **Role of interleukins in Acute inflammation** (NTRUHS July 2019)
  33. **Discuss the vascular and cellular events of inflammation in brief** (Pondicherry university June 2019)
  34. **Role of vasoactive amines in acute inflammation** (NTRUHS Feb)
  35. **Write briefly on the pathogenesis of chemotaxis**
  36. **Role of prostaglandins in acute inflammation** (NTRUHS Feb 2017)
  37. **Phagocytosis**
  38. **Mention Arachidonic acid metabolites and their role in inflammation** (NTRUHS Jan 2014, Jan 2011)
  39. **Role of Selectins and Integrins involved in the inflammatory response** (NTRUHS Jan 2012)
  40. **Growth factors involved in tissue regeneration and repair** (NTRUHS January, 2011)
  41. **Chemokines** (NTRUHS March, 20)
  42. **Cytokines** (RGUHS, Jan 2008, Jun 2009)
  43. **Pathogenesis of Vascular events in acute inflammation** (RGUHS- Jan 2008, Dec 2012, Jun 2009)
  44. **Primary union** (RGUHS- Jun 2011)
  45. **Free radicals and acute inflammation** (RGUHS-Jun 2010)
  46. **Healing by first intention** (NTRUHS August, 2009)
  47. **Healing by second intension** (NTRUHS October, 2008)
  48. **Complications of wound healing** (NTRUHS Sept/Oct, 2007)
  49. **Name any four (4) growth factors involved in regeneration and wound healing** (NTRUHS Jan, 2014)
  50. **Chronic granulomatous disease** (RGUHS- Jun 20)
  51. **Factors delaying wound healing** (RGUHS- Jan 2009)
  52. **Granulation tissue** (RGUHS- Jun 2008)
  53. **Compliactions of wound healing** (RGUHS- Jun 2008)
  54. **Mast cell in inflammation** (RGUHS- Jan 2008)
- (NTRUHS July 2014)
55. **Define shock. Write about the classification, etiology, pathogenesis and morphological changes in various organs in shock** (RGUHS- Jan 2008)
  56. **Discus pathogenesis of septic shock. Enumerate various stages in evolution of Shock. Describe the various morphological changes in various organs in shock** (RGUHS- Jun 2010)
  57. **Define and describe the formation and pathogenesis of thrombus. Add a note on fate of the thrombus** (RGUHS, July 2008, Jun 2011, Dec 201)
  58. **Define Embolism. Discuss different types of Emboli.** (RGUHS- Dec 2011)
59. **Enumerate four causes of disseminated intravascular coagulation ( DIC)** (NTRUHS Jan 2016)
  60. **Pathogenesis of Endotoxic shock** (NTRUHS July / Aug 2014)
  61. **Etiology and pathogenesis of fat embolism** (NTRUHS Jan, 2014)

62. Define edema. Mention the types & write the pathogenesis in brief (RGUHS- Dec 2012)
63. Shock (RGUHS-Dec 2009)
64. Embolism (RGUHS- Dec 2009)
65. Disseminated intravascular coagulation
66. Types of embolism (RGUHS-Jul 2012)
67. Embolism (RGUHS- Jan 2009)
68. What is paradoxical embolism? Give an example (NTRUHS March, 2010)
  
69. Transudate and exudates (RGUHS, Jan 2008)
  
70. Shock lung (NTRUHS April 2008)
71. Amniotic fluid embolism (NTRUHS May 2006, RGUHS- Jun 2009)
72. Air embolism (NTRUHS April 2005, RGUHS- Jan 2009)
73. Paradoxical embolism (NTRUHS May 2004)
74. Define Infarction. Types of infarcts with examples and sites
75. Differences between thrombus and postmortem clot.
76. Karyotyping (RGUHS- Dec 2009)
77. Gauchers disease (RGUHS- Jan 2009)
  
78. Name three (3) X-linked recessive and one (1) X-linked dominant disorders (NTRUHS Jan 2014, Aug 2009, May 2004)
  
79. Down's Syndrome (NTRUHS October, 2008)
80. Turners syndrome (RGUHS- Jan 2008) (NTRUHS April 2009, April 2005, April 2003)
  
81. Klinefelter syndrome
  1. (RGUHS-Dec 2009)
- SHORT QUESTIONS (4 MARKS)**
82. Type III hypersensitivity reaction with examples (NTRUHS 2018)
83. Type II hypersensitivity reaction (Pondicherry university 2018, NTRUHS Feb 2018)
84. Pathogenesis of type I hypersensitivity reaction (NTRUHS-July 2015, RGUHS July 2008, Jul 2012)
85. Type IV hypersensitivity reaction with examples (NTRUHS Jan 2015) (RGUHS- Jan 2008, Jun 2013)
86. Hypersensitivity Reactions (RGUHS- Dec 2011)
87. Anaphylaxis (RGUHS- Jun 2011)
  
88. Graft vs host reaction (RGUHS- Jun 2011)
89. Transplant rejection reactions (RGUHS- Jun 2009)
90. Describe the chemical nature of Amyloid (NTRUHS Jan 2014, Jan 2012)
91. Chemical structure and types of Amyloid proteins (RGUHS- Jun 2009)
92. Amyloidosis of spleen (NTRUHS July 2011, RGUHS- Jun 2010, Dec 2013)
93. Pathogenesis of Amyloidosis (NTRUHS March 2010, Jan 2013, Aug 2010)
94. Special stains used in amyloidosis (NTRUHS February, 2009, RGUHS- Jan 2009)
95. CNS manifestations of AIDS (NTRUHS August 2010)
96. Lab diagnosis of AIDS
97. Clinical criteria and laboratory diagnosis of SLE
98. Give 4 examples of immune complex-mediated type-II Hypersensitivity reactions (NTRUHS July 2019)
99. Describe any four morphologic changes in Lupus nephritis (NTRUHS July 2019)
100. LE cell phenomenon (RGUHS Dec 2018)
101. List four special stains to demonstrate amyloid (NTRUHS Feb 2018, RGUHS Jun 2009)
102. Give four examples of type II hypersensitivity (NTRUHS July 2016, RGUHS- Dec 2013)
103. Give four (4) examples of Type I Hypersensitivity reaction (NTRUHS July / Aug 2014)
104. Hypersensitivity Reactions (RGUHS- Dec 2009)
105. Pathogenesis of delayed hypersensitivity reactions (RGUHS- Jan 2009)
106. Graft vs host reaction (RGUHS- Jan 2009)
107. Central immune tolerance (RGUHS- Dec 20)
108. Bence Jones Protein (NTRUHS Jan, 2013)
109. What is LE cell ? mention the conditions associated with it (RGUHS-Jun 2008, Jan 2009, Jun 2012, Dec 2013)
110. Antinuclear antibodies (NTRUHS May 2007)
111. Amyloid spleen (NTRUHS Oct 2005, May 2004)
112. Mention 4 neoplasms found in patients with HIV infection (RGUHS Dec 2013)
113. Opportunistic infections in AIDS (RGUHS- Dec 20)
114. Microbial Carcinogenesis (Pondicherry university 2018, NTRUHS March, 2010)
115. Enumerate Oncogenic viruses. Give pathogenesis of viral oncogenesis (NTRUHS 2018, RGUHS- Dec 2011)
116. Characteristics of benign and malignant neoplasms (NTRUHS Feb 2018)
117. Enumerate the chemical carcinogens. Give pathogenesis of chemical carcinogenesis (NTRUHS Jan 2016)
118. Tumour markers (NTRUHS July, 2015) (RGUHS- Dec 2010, Jun 2011, Jun 2012)
119. Metastasis (RGUHS- Jan 2008, Dec 2009, Dec 2011)
120. Describe the steps / events involved in mechanism of tumor INVASION and METASTASIS (NTRUHS Jan, 2014)
  
121. Paraneoplastic Syndromes (NTRUHS Jan, 2011, May, 2007, RGUHS-Jan 2009)
122. Chemical Carcinogens (NTRUHS August, 2009, Sept/Oct, 2007, RGUHS- Dec 2012)

123. Differences between carcinoma and sarcoma (RGUHS, jan 2008)
124. Spontaneous regression of malignant tumor
125. Dysplasia (RGUHS- Jun 2011)
126. Precancerous conditions (RGUHS-Jun 2009)
127. Antioncogenes (RGUHS- Jun 2009)
128. HPV induced carcinogenesis (RGUHS- Dec 2009)
129. Oncogenes (RGUHS- Dec 2009)
130. Name four inherited cancer syndromes (NTRUHS July 2016)
131. paraneoplastic syndromes
132. Pathways Of Spread Of Malignant Tumors
133. Tumor Suppressor Genes (NTRUHS Jan, 2011)
134. Grading And Staging Of Cancer (NTRUHS Sept/Oct, 2007, RGUHS- Jun 2008)
135. Anaplasia (NTRUHS May, 2007)
136. Hamartoma (RGUHS, Jan 2008)
137. Epstein bar virus and cancers (RGUHS, Jan 2008)
138. Name some modern technique in tumor diagnosis (RGUHS, Jan 2008)
139. Carcinoma-in-situ (NTRUHS Sep 2003)(RGUHS-Dec 201)
140. Oncogenic viruses (RGUHS- Jun 2008)
141. Enlist 4 preancerous lesions (RGUHS- Jun 2011)
142. Heterotopia (RGUHS-Jun 2010)
143. Sites of squamous cell carcinoma (RGUHS-Jun 2010)
144. Alfa fetoproteins (RGUHS-Jun 2009)
145. Mention tumor markers in the following a)Yolk sac tumor b) Chorionicarcoma
146. Placental site trophoblastic tumor (RGUHS-Jun 2009)
147. Definition and 2 examples of sarcoma (RGUHS- Dec 2009)
148. Paraneoplastic Syndromes associated with lung tumors (RGUHS- Dec 2009)
149. Name 4 important causes that predispose to cancer (RGUHS- Dec 2009)
150. Pathogenesis of primary pulmonary tuberculosis (NTRUHS Feb 2019)
151. Morphology of lepromatous leprosy (NTRUHS Feb 2019)
152. Classify leprosy. Compare the major types of leprosy.
153. Ghon Complex ( NTRUHS Jan, 2015)
154. Primary Complex (NTRUHS August, 2009 Jan 2013, 2011, RGUHS-Jun 2011, Dec 2011)
155. Rhinosporidiosis (NTRUHS July, 2011, RGUHS-Dec 2010)
156. Actinomycosis (NTRUHS August, 2010, RGUHS-Jun 2008, Jun 2011)
157. Lepromatous Leprosy (NTRUHS October, 2008, RGUHS-Jan 2008, Dec 2010)
158. Stages of Syphilis (RGUHS- Dec 2011)
159. Hydatid cyst (RGUHS Jan 2008, Jun 2011, Dec 2013)
160. Opportunistic fungal infection (NTRUHS April 2005)
161. Tuberculoid leprosy (NTRUHS May 2004)
162. Primary tuberculosis (RGUHS- Jun 2012, Dec 2013)
163. Pathology of deep fungal infections (RGUHS-Jun 2009)
164. Amoebiasis (RGUHS-Dec 2009)
165. Opportunistic infections (RGUHS-Jun 2013)
166. Lepromatous Leprosy (RGUHS Dec 2018, NTRUHS May, 2007)
167. Primary complex (RGUHS Dec 2018)
168. Name Four (4) Causes Of Granuloma Formation (NTRUHS July / Aug 2014)
169. Tuberculoid Leprosy – Microscopic Picture (NTRUHS July, 2013 )
170. Morphology Of Actinomycotic Mycetoma (NTRUHS March, 2010)
171. Microscopy of lepromatous leprosy (RGUHS, Jan 2008)
172. Mention four opportunistic fungal infections in AIDS (RGUHS, July 2008, Jun 2010)
173. Mycetoma, Madura mycosis (NTRUHS May 2004, April 2003)
174. Neurosyphilis (RGUHS Dec 2013)
175. Ghon's complex (NTRUHS Jan 2015, RGUHS-Jun 2009, Dec 2009, July 2012, RGUHS-Jan 2009)
176. Primary Chancre (RGUHS- Dec 2013)
177. Name neoplastic lesions associated with HIV infection
178. Epstein Barr virus (RGUHS-Dec 2011)
179. Morphology of Hydatid cyst (RGUHS-Dec 2009)
180. Haemoparasites (RGUHS-Jan 2008, Dec 2013)
181. Epstein Barr virus and cancers (RGUHS-Jan 2008)
182. Ionizing radiation and its consequences
183. Scurvy (RGUHS- Jan 2009, Jun 2009, Jun 2010, Dec 2013)

184. Give four examples of deficiency diseases associated with four different components of Vitamin B complex
185. Vitamin A Deficiency Consequences. (NTRUHS August 2009, 2010)
186. Vitamin C Deficiency/Scurvy (NTRUHS Feb 2009, RGUHS- Jun 2011)
187. Rickets (NTRUHS Oct 2008, RGUHS- Dec 2013)
188. Define obesity (RGUHS, Jan 2008)
189. Effects of Vitamin B12 deficiency on the nervous system (RGUHS- Dec 2013)
190. Effects of Tobacco (RGUHS- Jun 2011)
191. Aneurysm
192. Risk factors for atherosclerosis and its complications (NTRUHS July 2019)
193. Pathogenesis of Dissecting aneurysm (NTRUHS Feb 2018, July 2017)
194. Berry Aneurysm (NTRUHS, OCTOBER-2004, 2005, RGUHS 2009 )
195. Types of aneurysms (NTRUHS, JULY 2013)
196. List four risk factors for Atherosclerosis (RGUHS Dec)
197. Subacute Bacterial Endocarditis
198. **Valvular lesions in Rheumatic heart disease** (NTRUHS Jan 2015)
199. **Cardiac lesions in Acute rheumatic fever** (NTRUHS January 2014)
200. **Aschoff nodules/ bodies** (NTRUHS July 2012, April 2009, April 2005, May 2004, RGUHS Jan 2008, Jun 2009)
201. **Describe various types of vegetations in Endocarditis**
202. **Pathology of cardiac vegetations** (RGUHS Dec 2009)
203. **Bacterial endocarditis** (NTRUHS April 2008)
204. **Pathogenesis of essential hypertension**
205. **Myocardial infarction** (NTRUHS Sep 2003)
206. **Infective Endocarditis** (NTRUHS Dec 2012)
207. **Etiopathogenesis of Rheumatic heart disease** (RGUHS Dec 2009)
208. **Etiopathogenesis of Infective Endocarditis** (RGUHS Jan 2009)
209. **Morphology of heart in acute rheumatic heart disease** (RGUHS Jan 2009, Dec 2013)
210. Mention four complications of Bacterial endocarditis (NTRUHS July 2017)
211. Mention four complications of myocardial infarction (NTRUHS Feb 2017)
212. Enzyme markers for myocardial infarction (RGUHS Jan 2008)
213. List lesions of rheumatic valvulitis (RGUHS Jan 2008)
214. Microscopy of Aschoff body (RGUHS Jun 2011, 2012)
215. Intramural cardiac thrombi (RGUHS Jun 2010)
216. Patent Ductus Arteriosus (RGUHS Jun 2009)
217. Laboratory diagnosis of myocardial infarction (RGUHS Dec 2009)
218. Libman-sacks endocarditis (RGUHS Jul 2008)
219. Various types of cardiomyopathies (RGUHS Jan 2008)
220. Classify hemolytic anemias. Discuss the laboratory diagnosis of Thalassemias (RGUHS- Dec 2012)
221. Classify hemolytic anemias. Discuss in detail about beta Thalassemia (RGUHS- Dec 2013)
222. What is the major and minor cross matching in blood transfusion and its clinical utility (Pondicherry university June 2019)
223. Laboratory diagnosis of Sickle cell anemia (RGUHS- Jun 2009)
224. Hereditary Spherocytosis (RGUHS- Jun 2009, Dec 2010, Jul 2012)
225. Pancytopenia (RGUHS- Jan 2009)
226. Screening of blood unit before transfusion (RGUHS- Jan 2008)
227. Blood transfusion reactions (RGUHS- Jul 2012)
228. Iron deficiency anemia.
229. Various methods of hemoglobin estimation. (RGUHS- Jun 2009)
230. Peripheral Smear And Bone Marrow Picture In Megaloblastic Anemia
231. Beta Thalassemia (RGUHS- Jun 2008)
232. Significance of Hemoglobin electrophoresis in anemias (RGUHS- Jan 2008)
233. What is Reticulocyte- morphology and staining method
234. Sickling Test (NTRUHS August, 2009) (RGUHS-Jul 2012)
235. What are Romanowsky stains (RGUHS, Jan 2008)
236. RBC Indices (RGUHS- Jun 2011, Dec 2013)
237. Four (4) causes of Aplastic anemia (RGUHS- Jun 2008)
238. Megakaryocyte

239. Immune thrombocytopenia (May 2003)  
 240. Hemophilia (RGUHS- Jan 2009)  
 241. Von Willebrand Disease ( NTRUHS Jan, 2015, July, 2011)  
 242. Bombay Blood Group (RGUHS- Jan 2009,Dec 2012)  
 243. Pretransfusion tests (RGUHS- Jun 2008)  
 244. Significance of cross matching and different methods of crossmatching (RGUHS- Dec 2010)  
 245. Name 4 blood components separated from whole blood and mention one clinical use for each (RGUHS)  
 246. Plasmapheresis (RGUHS- Jul 2012)  
 247. Enumerate transfusion reactions (RGUHS- Jun 2011, Dec 2013)  
 248. Coomb's test

249. **Retinoblastoma**  
 250. **Pleomorphic adenoma – salivary gland** (NTRUHS July 2013, April 2003, RGUHS Dec 2011)  
 251. **Leukoplakia**  
 252. **Warthin tumor**  
 ) (NTRUHS )

#### SHORT QUESTIONS (4MARKS)

253. Pathogenesis and morphology of Peptic ulcer disease (Pondicherry June 2019)  
 254. Differentiate between Crohn's disease and Ulcerative colitis (Pondicherry June 2019, NTRUHS 2018, RGUHS Jan 2009, Jun 2009)  
 255. Hereditary non-polyposis colorectal cancer (NTRUHS Feb 2019)  
 256. Gross and histologic classification of gastric carcinoma (NTRUHS April 2004, RGUHS, July 2008)  
 257. Primary Malabsorption syndromes (NTRUHS Sept 2003)  
 258. Carcinoid tumors (RGUHS-Dec 2011)  
 259. Early Gastric Carcinoma (RGUHS Jun 2009)  
 260. Barrett's oesophagus.(NTRUHS Feb 2019, May 2006, March 2008, Feb, 2009, RGUHS Dec 2010, Jun 2012 )  
 261. Hirschsprung disease (RGUHS Dec 2018)  
 262. 4 Complications of peptic ulcer (NTRUHS July , 2016)  
 4. precancerous lesions of large intestine? (NTRUHS Jan, 2016)  
 263. Microscopic appearance of peptic ulcer (NTRUHS July, 2015, RGUHS-Dec 2013)  
 264. Chronic Gastric ulcer ( NTRUHS July, 2011)  
 265. Crohn disease (NTRUHS March ,2003, RGUHS July 2008, Jun 2010)  
 266. Components of Peutz – Jeghers syndrome (RGUHS-July 2008,Dec 2011)  
 267. Adenoma- carcinoma sequence (RGUHS- Dec 2013)  
 268. Helicobacter pylori (RGUHS June 2013)  
 269. Differences between benign and malignant gastric ulcer (RGUHS Jun 2010)  
 270. Etiology of Colo rectal carcinoma (RGUHS Jun 2010)  
 271. Name the non neoplastic intestinal polyps (RGUHS Jun 2009)  
 272. Meckel's Diverticulum (RGUHS Jun 2009)  
 273. Classification of gastric carcinoma (RGUHS Jun 2008, Dec 2009)  
 274. Typhoid ulcer (RGUHS Dec 2009)  
 275. ulcerative colitis (RGUHS Dec 2009)

276. Describe the aetiopathogenesis and pathology of Alcoholic liver disease (RGUHS Jun 2009)

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277. Post necrotic cirrhosis liver (NTRUHS Feb 2018)  
 278. Chronic active hepatitis – etiology, microscopic picture and fate (NTRUHS Jan 2016, RGUHS June 2008)  
 279. Aetiology of Cirrhosis  
 280. Etiopathogenesis of Hepatocellular carcinoma (NTRUHS Jan 2015, March 2010)  
 281. Liver abscesses (NTRUHS MAY-2006, RGUHS Jun 2010)  
 282. Acute pancreatitis (NTRUHS Sep 2003)  
 283. Morphological changes of pancreas in acute pancreatitis (RGUHS Dec 2011)  
 284. Classification of liver cirrhosis (RGUHS Jan 2008)

285. Lab investigations in Jaundice (RGUHS Jan 200

1.

**286. gall stones**

**Four major etiological factors associated with hepatocellular carcinoma**

- a. Alcoholic cirrhosis. (NTRUHS July, 2011)
- b. **Aetiology of hepatocellular carcinoma** (NTRUHS May 2007, RGUHS Jan 2008)
- c. Causes of Pancreatitis (RGUHS Dec 2013)
- d. Complications of Portal hypertension (RGUHS Dec 2012)
- e. Causes of Secondary biliary cirrhosis (RGUHS Jul 2008)
- f. Complications for Portal cirrhosis (RGUHS Jun 2010)
- g. **Councilman Body** (RGUHS Dec 2010)
- h. Serological markers for Hepatitis D viral hepatitis (RGUHS Jun 2009)
- i. Chronic active hepatitis (RGUHS Jun 2009)
- j. 4 Common types of cirrhosis (RGUHS Dec 2009)
- k. Microscopy of acute viral hepatitis (RGUHS Dec 2009)
- l. Nutmeg liver (RGUHS Jan 2009)
- m. **Microscopic appearance and conditions associated with Mallory body** (RGUHS Jul 2008)
- n. List serological markers for Hepatitis B Viral hepatitis (RGUHS Jul 20

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287. **Chronic Pyelonephritis.**

288. **Minimal change glomerulonephritis** (RGUHS- Dec 2013)

289. **Nephrotic syndrome** (RGUHS- Dec 2012)

290. **Acute nephritic syndrome** (RGUHS- Dec 2009)

291. Definition and causes of Nephritic syndrome (RGUHS- Jul 2008)

292. Kidney lesions in hypertension (NTRUHS Sep 2007, Jan 2016, RGUHS- Jul 2008)

293. **Malignant nephrosclerosis** (RGUHS- Jun 2009)

294. **Chronic contracted granular kidney** (MARCH, 2010)

295. **Renal Cell Carcinoma** (RGUHS- Jun 2010)

296. **Renal function tests.** (RGUHS- Jun 2010)

297. **Uremia and azotemia** (RGUHS- Jan 2008)

298. **Morphology of chronic pyelonephritis.**

299. **Classification of membranoproliferative glomerulonephritis** (RGUHS- Dec 2013)

300. **Morphology of Kidney in Acute Post streptococcal Glomerulonephritis.** (NTRUHS July, 2014)(RGUHS- Dec 2009)

301. **Etiology of crescentic glomerulonephritis** (RGUHS- Jan 2008)

302. **Nephrotic syndrome** (RGUHS- Jun 2008, Jan 2009)

303. **Causes of Nephritic syndrome** (RGUHS- Jul 2008)

304. **Gross pathology of kidneys in benign and malignant nephrosclerosis** (NTRUHS Jan 2012)

305. **Causes of flea bitten kidney** (RGUHS- Jun 2010)

306. **Kimmelsteiel – Wilson lesion** (RGUHS, Jan 2008)

307. **Renal stones** (NTRUHS Sep 2003, April 2009)

308. **Differences between Adult and infantile polycystic diseases** (NTRUHS March,2003)

309. **Causes of large white kidney** (RGUHS- Jul 2008)

310. **Wilms Tumour** (NTRUHS March, 2005)

311. **causes of hematuria**

312. **Seminoma testis** (NTRUHS October-2005)

313. **Name three (3) pre-malignant (carcinoma-in-situ) lesions of Penis. Mention the common infective agent associated with these lesions** (NTRUHS Jan 2014)

1.

5 Brenner tumour (NTRUHS MARCH, 2010)

314. **Dysgerminoma** (NTRUHS April, 2000, RGUHS- Dec 2009)

315. **Serous tumors of ovary** (RGUHS- Jul 2008)

316. **Morphology of mucinous cystadenoma of ovary** (RGUHS- Jan 2009)

317. **Functioning ovarian tumours** (RGUHS May-2006)

318. **Granulosa cell tumor – Ovary**

319. **Classify of ovarian tumours** (NTRUHS July 2017, Oct/Nov ..2002)

320. **Hydatidiform mole** (NTRUHS July , 2011)

321. Differences between Hydatidiform mole and choriocarcinoma (RGUHS- Jan 2009)
322. Endometriosis (NTRUHS August 2009, August, 2010, RGUHS- Dec 2012)
323. Cervical intra-epithelial neoplasm (CIN) (NTRUHS Oct-2005)(RGUHS- Jan 2009, Jun 2009)
324. Classification of Cervical intra-epithelial neoplasia (RGUHS- Dec 2013)
325. Aetiology of Carcinoma Cervix
326. Choriocarcinoma (NTRUHS Sep, 2003)
327. Dermoid cyst of the ovary (NTRUHS March,2003)
328. Teratoma (RGUHS- Jun 2009, Dec 2009)
329. List four (4) surface epithelial tumors of ovary (RGUHS- Dec 2013)
330. Mention sex cord stromal tumors of ovary (RGUHS- Jun 2010)
331. Types of leiomyoma (RGUHS- Jun 2010)
332. Enumerate types of endometrial hyperplasia (RGUHS- Dec 2009)
333. Staging of endometrial carcinoma (RGUHS- Jun 2  
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334. Prognostic factors of breast carcinoma (NTRUHS May 2007, RGUHS- Jun 2009)
335. Classification of breast tumours (NTRUHS Oct-2005)
336. Gross and microscopy of medullary carcinoma of breast (RGUHS- Jul 2008)
337. Carcinoma in situ of breast (RGUHS- Dec 2013)
338. Microscopic features of Lobular carcinoma (RGUHS Dec 2018)
339. Paget disease of Breast (NTRUHS Jan, 2012)
340. Phyllodes tumour
341. Fibrocystic disease of the breast (NTRUHS March 2003, RGUHS- Jan 2009)
342. Fibroadenoma of breast (RGUHS- Jun 2009)
343. Diagrammatically illustrate the two microscopic patterns of fibroadenoma
344. Gynecomastia (RGUHS- Jan2008, Jun 2009,
335. Solitary nodules in thyroid (Pondicherry university 2018
336. Renal complications of diabetes mellitus/ Diabetic nephropathy
337. Morphology of Multi nodular goiter (RGUHS- Jan 2008, Jan 2009)
338. Neuroblastoma (NTRUHS April, 2000)
339. Cushing's syndrome (NTRUHS April, 2000, RGUHS- Jun 2009, Jun 2011)
340. Medullary carcinoma of thyroid.(RGUHS- Dec 2018, Dec 2009, Dec 2010)
341. Classify thyroid malignancies (RGUHS- Jun 2012)
342. primary hyper-parathyroidism (NTRUHS Jan, 2011)
343. Morphology of Hashimoto's thyroiditis
344. Pheochromocytoma (NTRUHS May 2006)
345. Papillary Carcinoma of Thyroid (NTRUHS September, 2003)
346. Multiple Endocrine Neoplasia (MEN) (RGUHS- Dec 2011)
347. Pathogenesis of type II Diabetes Mellitus
348. List complications of Diabetes mellitus
349. Morphology of malignant melanoma (NTRUHS Jan 2015)
350. Discuss briefly precancerous lesions of skin (RGUHS-Jun 2010)
351. Basal cell carcinoma (RGUHS- Jul 2008, Dec 2013)
352. Differences between tuberculoid and lepromatous leprosy (RGUHS- Jul 2008)  
) (RGUHS- Dec 2009)
353. Osteosarcoma- its common sites , radiological and microscopic findings (NTRUHS July 2019)
354. Classify bone tumors. Write the morphology of osteosarcoma (Pondicherry June 2019)
355. Chondroblastoma (RGUHS Dec 2018)
356. Microscopic appearance of giant cell tumor of bone (NTRUHS Jan 201
357. Pagets disease of Bone. (RGUHS- Jan 2008
358. Morphology of pyogenic osteomyelitis. (RGUHS- Dec 2011, AUGUST, 2010, Jun 2009)
359. Complications of osteomyelitis (RGUHS- Jan 2009)
360. Tuberculous osteomyelitis (Pott's Spine
361. Giant cell tumor – common sites and its radiological and microscopic picture.
362. Gout (NTRUHS May-2006)
363. Ewing's Sarcoma ( NTRUHS Nov 2002, April 2004)

- 364. Morphological changes in brain in Alzheimer's disease (NTRUHS July 2019)
- 365. Astrocytoma (RGUHS Dec 2018)
- 366. CSF changes in various types of meningitis (NTRUHS JULY, 2016)(RGUHS-Dec 2009, Jun 2011, Jun 2013)
- 367. Meningioma ( NTRUHS July, 2015, April 2000, RGUHS- Jul 2008, Jul 2012,Dec 2012,Dec 2013)
- 368. Oligodendroglioma (RGUHS- Jun 2009)
- 369. Glioblastoma (NTRUHS JULY, 2011)

- 370. Medulloblastoma (RGUHS- Dec 2009, Jun 2010)

VERY SHORT QUESTIONS

- 371. CSF findings in Tuberculous meningitis (NTRUHS Feb 2018, RGUHS- Jan 2008, Jun 2010)
- 372. CSF findings in pyogenic meningitis(NTRUHS July, 2013)(RGUHS- Jun 2008, Jan 2009, Dec 2009, Jun 2011, Dec 2013)
- 373. Brain abscess (NTRUHS March 2008)(RGUHS- Dec 2013)
- 374. Various histological types of Meningioma. (NTRUHS March, 2010)(RGUHS- Jun 2010, Dec 2011)
- 375. Microscopic findings in meningioma.(RGUHS- Jun 2010, Jun 2013)
- 376. Meningioma (NTRUHS Sep, 2007, 2006)
- 377. Astrocytoma (NTRUHS Sep, 2003)
- 378. Microscopic appearance of Astrocytoma (RGUHS- Jun 2011)
- 379. Medulloblastoma (RGUHS- Dec 2013)
- 380. Microscopy of neuroblastoma (RGUHS- Jan 2009, Dec 2009)
- 381. Retinoblastoma (RGUHS- Jun 2011)

Discuss briefly the importance of Exfoliative cytology (RGUHS Dec 2018, August 2010, October 2005)

- 382. Indications of FNAC and its pit falls (NTRUHS Jan 2016)
- 383. Packed cell volume (PCV) –
- 384. Cross matching .

- 385. Etiopathogenesis of Carcinoma Lung
- 386. Good Pasture syndrome
- 387. List Asbestos related diseases (RGUHS-Jul 2008)