

CAJ UJIAN MAKMAL

Bil.	Prosedur	REFER # UJIAN LAMA	TAHUN 2016 (RM)
1	2hour post parandial	2	20
2	17- oxosteroids		30
3	17-oxogenic steroids		30
4	3-methoxy-4-hydroxy-mandelic acid (HMMA/VMA) (Urine)		30
5	5-hydroxy indoles total		20
6	5-hydroxyindoleacetic acid (5-HIAA)		100
7	ABO + Grouping (anti D only)		20
8	Acetone		5
9	Acid Fast Bacilluss (AFB) Culture		45
10	Acid Phosphatase	6	70
11	Acquired Immunodeficiency Syndrome (HIV antibody)		60
12	ACTH stimulation test		50
13	Alanine transaminase		10
14	Albumin (Blood)	9	10
15	Albumin (urine)	9	10
16	Alcohol		50
17	Aldosterone		84
18	Alfa-Fetoprotein (AFP)		70
19	Alkaline Phosphatase (ALP)	10	30
20	Allergy Skin Test		70
21	Alpha antitrypsin		60
22	Amino acid by TLC (Urine)		100
23	Amino acid by TLC Screening		100
24	Ammonia		60
25	Amylase	12	20
26	Antenatal Screening		58
27	Anti Streptolysin O Titre (ASOT)	19	30
28	Anti-antibodies/haemagglutination test		20
29	Antibiotic sensitivity		50
30	Anti-DNA Antibody (anti dsDNA)		108
31	Antigen detection specific pathogens		20
32	Antinuclear Factor (ANF)		40
33	Ascorbic Acid		20
34	Aspartate Transaminase	22	10
35	Aspirate For Cylology		100
36	Augmentin histamine test		50
37	Bacteriological sterility test		60
38	Barbiturate	23	60
39	Barbiturate (Serum)		110
40	Barbiturate (Urine)		110
41	Bence Jones Protein	27	10
42	Beta carotene		10
43	Beta Human Chorionic Ganadotropin (Beta HCG)		60
44	Bicarbonate		10
45	Bile Pigment		8
46	Bilirubin		20
47	Bilirubin Conjugated		10
48	Bilirubin Unconjugated		10
49	Bilirun (total)		20
50	Bleeding time	33	10
51	Blood Gases		65

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52	Blood group and cross matching		11
53	Blood Urea Serum Elektrolites (BUSE)		38
54	Blood Urea,Nitrogen		10
55	Bramsulphathelein excretion test	32	30
56	Bronchial Brushing Cytology		30
57	Bronchial Lavage/Washing Cytology		30
58	Brucella Agglutination Test		20
59	C Reactive Protein - Quantitative	54	60
60	Caeruloplasmin		50
61	Calcium		20
62	Cannabinoids		50
63	Carcino Embryonic antigen (CEA)	38	55
64	Cardiac Enzymes	50	48
65	Cardiac isoenzyme (CK)		50
66	Cathecolamine		180
67	Cerebro-Spinal Fluid (CSF) Routine	59	50
68	Cerebro-Spinal Fluid Cultural & Sensitivity	61	40
69	Cerebrospinal Fluid Cytology		30
70	Chlamydial (Screening)	41	40
71	Chlamydial Immunoglobulin G (IgG) Antibody		95
72	Chlamydial Immunoglobulin G (IgG)		75
73	Chloride	44	10
74	Cholesterol (Total)		20
75	Cholinesterase	39	20
76	Chromosomal Analysis		600
77	Clot test		45
78	Clotting time		10
79	Coagulation Factor Anti-Xa		50
80	Coagulation Factor IX Activity		50
81	Coagulation Factor IX Antigen		215
82	Coagulation Factor V Antigen		50
83	Coagulation Factor V Leiden Mutation		215
84	Coagulation Factor VII Activity		215
85	Coagulation Factor VII Antigen		50
86	Coagulation Factor VII Inhibitors		50
87	Coagulation Factor VIII Activity		215
88	Coagulation Factor VIII Antigen		50
89	Coagulation Factor VIII Inhibitors		215
90	Coagulation Factor X Antigen		50
91	Coagulation Factor X Activity		215
92	Coagulation Factor XI Activity		215
93	Coagulation Factor XI Antigen		50
94	Coagulation Factor XI Inhibitors		50
95	Coagulation Factor XII Activity		215
96	Coagulation Factor XII Antigen		50
97	Coagulation Factor XIII Activity		450
98	Coagulation Factor XIII Clot Lysis Test/		50
99	Coagulation profile		115
100	Cold agglutin/cryoglobulin titre		125
101	Complement C3		50
102	Complement C4		50

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103	Complement fixation Test		20
104	Coomb Test direct	45	55
105	Coomb Test indirect	45	54
106	Copper	46	70
107	Cortisol	48	55
108	Cortisol AM		55
109	Cortisol PM		55
110	Cortisol Profile		55
111	C-Peptide 3 specimen		180
112	Creatine		20
113	Creatine Kinase (CK)		20
114	Creatine Kinase-muscle bound (CK-MB)		55
115	Creatinine	56	35
116	Creatinine Clearance Test		35
117	Creatinine Phosphate		35
118	Cryoglobulin		120
119	Cryoprecipitate		20
120	CSF Biochemistry		20
121	Culture of clinical specimen (eg. tissue culture, animal inoculation)		40
122	Culture of mycoplasma		20
123	Cystic Fluid Cytology		30
124	Cystine		5
125	Cytologi peritoneal fluid		30
126	Cytological examination of clinical specimen :		30
127	Dehydroepiandrosterone Sulphate (DHEAS)		70
128	Delta amino leavulinic acid urine		70
129	Dengue Fever Study		160
130	Dexamethasone suppression Test		50
131	Diastase	68	10
132	Dibucaine number		20
133	Differential Count		10
134	Direct Smear (Grain Stain)		30
135	Drug Analysis (per drug)		30
136	Electrolytes		30
137	Electrone microscopy		250
138	Electrophoresis (for Bence Jones Protein)		30
139	Electrophoresis protein		72
140	ELISA for Hepatitis A virus		30
141	Erythrocyte transketolase & TPP effect		20
142	Erythrocyte Sedimentation Rate (ESR)	80	20
143	Faecal fat		30
144	Ferritin	89	130
145	Fibrinogen	90	80
146	Fibrinogen (immuno method)		115
147	Filtered RBC		600
148	Flourescent microscopy		30
149	Folate RBC		40
150	Follicle Stimulating Hormone (FSH)	94	60
151	Free Tyroxine index		35
152	Fructosamine	93	45

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153	Full Blood Count	85	40
154	Full Blood Picture	86	80
155	Gamma Glutamine Transferase	101	30
156	Gastric Brushing Cytology		30
157	Gastric function Test		50
158	Gastric Lavage Cytology		30
159	Gentamicin, Peak		30
160	Gentamicin, Random		30
161	Gentamicin, Trough		30
162	Gentamycin		30
163	Globulin		18
164	Glucose		10
165	Glucose Fasting Blood sugar		20
166	Glucose Tolerance Test	105	50
167	Glucose-6-Phosphte Dehydrogenase (G6PD) Screening Test		20
168	Glucostix		62
169	Group & Crossmatch (GXM)		11
170	Group Screen & Hold (GSH)		68
171	Growth Hormone	102	78
172	Haemagglutination inhibition Test (Denggue Serology)		60
173	Haematocrit Pack Cell Volume (PCV)		20
174	Haemoglobin & allied pigment		5
175	Haemoglobin (Hb)		10
176	Haemoglobin A I C (HbA1C)		60
177	Haemoglobin Electrophoresis		60
178	Haptoglobin		50
179	Hb analysis		60
180	HDL & LDL Cholesterole (pakej)		40
181	Hepatitis A Virus Immunoglobulin G Antibody (HAV IgG Ab)		50
182	Hepatitis A Virus Immunoglobulin M Antibody (HAV IgM Ab)		78
183	Hepatitis B e Antibody (HBV e Ab)		60
184	Hepatitis B surface antibody (HBs Ab)		60
185	Hepatitis B surface antigen (HBs Ag)		60
186	Hepatitis C (Antibody)		70
187	Hepatitis C Virus Immunoglobulin G (HCV IgG Ab)		60
188	Hepatitis C Virus Immunoglobulin M (HVC IgM Ab)		80
189	Hepatitis E (Antigen)		60
190	Herpes Simplex Type 1 Immunoglobulin G		54
191	Herpes Simplex Type 2 Immunoglobulin G		60
192	High Density Lipoprotein (HDL) Cholesterol		20
193	High Density Lipoprotein Concentration		20
194	Histopalogy examination Type B(medium specimens)		100
195	Histopalogy examination Type C(small specimens)		80
196	Histopatology examination Type A(large specimens)		125
197	HIV antigen Test		50
198	HIV Antibody confirmation Test		150
199	HLA-B27		291
200	Homogentisic acid		5
201	Human Chorionic Gonadotropin (HCG)		60
202	Hydroxy Butyrate Dehydrogenase		35
203	Hydroxyproline		30

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204	IFA Test for Legionella Ab		30
205	Immunoelectrophoresis		30
206	Immunofixation		30
207	Immunoglobulin A (Quantitive)		30
208	Immunoglobulin E (Quantitive)		30
209	Immunoglobulin G (Quantitive)		30
210	Immunoglobulin M (Quantitive)		30
211	Immunological Techniques (agglutination, flocculation, hemolysis)		20
212	Indirect Immunoperoxidase Test		30
213	Iron Serum	117	25
214	Isoenzyme studies		50
215	Ketone bodies		40
216	Kleihau's Test		60
217	Lactate Dehydrogenase	126	15
218	Lactic Dehydrogenase	127	15
219	Lange's colloidal gold curve		30
220	Lead		55
221	Leuteinising Hormone (LH)		42
222	Light microscopy		10
223	Lipid Profile (cholesterol, triglycerides)		48
224	Lipoprotein Electrophoresis		270
225	Lithium	136	38
226	Liver Function Test		100
227	Low Density Lipoprotein (LDL)		40
228	Lupus Erythematous Cells (LE cell)	129	15
229	Lysozyme serum		20
230	Magnesium	143	15
231	Malaria Parasite		15
232	Mantoux Test		15
233	Mean Corpuscular Haemoglobin (MCH)		6
234	Mean Corpuscular Haemoglobin Concentration (MCHC)		6
235	Mean Corpuscular Volume (MCV)		6
236	Menopausal Hormone studies		120
237	Menstrual Cycle study		135
238	Mercury		125
239	Microbiological analysis of water, milk, ice cream, other foods		50
240	MICS of antibiotics		50
241	Monospot Test		30
242	Morphine/Cannabinoids	147	80
243	Mucopolysaccharides	149	70
244	Myoglobin	150	10
245	Nipple Discharge Cytology		30
246	Nuclear Sexing(Buccal Smear)		35
247	Occult Blood		16
248	Oesophageal Brushing Cytology		40
249	Oestradiol		48
250	Oestrogen total		30
251	Orosamuroid		30
252	Osmolality		20
253	Osmotic fragility Test		60

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254	Others Brushing Cytology		30
255	Others Cytology		30
256	Pack Cell		20
257	Pack Cell Volume (PCV) (haematocrit value)		20
258	Paracetamol		50
259	Paraprotein (serum elektroforesis)		100
260	Paraquat	159	30
261	Particle agglutination for Mycoplasma		20
262	pCO ₂		10
263	Pericardial Fluid Cytology		30
264	Peripheral Blood Film		20
265	Peritoneal/Ascitic Fluid Cytology		30
266	pH urine, blood, fluid		10
267	Phagocytic Function Test		100
268	Phenylketones		10
269	Phospate		20
270	Phospate inorganic		11
271	Phosphorous		15
272	Platelet Agregation Test		105
273	Platelet Concentration		20
274	Platelet Count		10
275	Pleural Fluid Cytology		30
276	pO ₂		10
277	Porphyrin		30
278	Porphyrinogen		10
279	Potassium	119	10
280	Puus FEME		20
281	Pregnancy Test Semi quantitative/ qualitative)		40
282	Pregnantriol		30
283	Progesterone		70
284	Prolactin	178	40
285	Protein (Total) Plasma		65
286	Protein (Total) Urine		30
287	Protein Electrophoresis		65
288	Prothrombin Time (PT)		30
289	Pus swab culture & sensitiviti		40
290	Pyruvate		30
291	Pyruvate Kinase		30
292	Random Blood Sugar	184	20
293	Red Blood Cell (Blood)		20
294	Red Blood cell(Urine)		5
295	Red Cell Folate		20
296	Renal Profile	190	80
297	Reticulocyte Count		40
298	RH Antibody Screening		52
299	Rhesus grouping (anti D only)		20
300	Rheumatiod Arthritis Factor (RA factor)		40
301	Riboflavin		30
302	Rubella Antibody		50
303	Rubella Immunoglobulin G Antibody		50
304	Rubella Immunoglobulin M Antibody		80

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305	Salicylate		50
306	Schumn's Test		10
307	Screening Test For The Presence Of Inhibitors To Coagulation Factors		50
308	Seminal Analysis	197	30
309	Seminal assay		30
310	Seminal examination		30
311	Serum Ferritin		20
312	Serum Folate		30
313	Smear For Acid Fast Bacilli		40
314	Smear Wet Preparation Tricomonas/Monilis		10
315	Sodium		20
316	SP Fallopian tube		80
317	SP Abdominal wall		80
318	SP Adrenal		80
319	SP Anus		80
320	SP Appendix		80
321	SP Back and vertebral column		80
322	SP Bartolin's gland		80
323	SP Bone		80
324	SP Brain and spinal Cord		80
325	SP Breast		80
326	SP Bronchus		80
327	SP Cardiac valve		80
328	SP Cervix		80
329	SP Chest		80
330	SP Colon		80
331	SP Ear		80
332	SP Endocardium		80
333	SP Endometrial		80
334	SP Extra hepatic duct		80
335	SP Eye/eye appendages		80
336	SP Gall bladder		80
337	SP Head		80
338	SP Heart		80
339	SP Joint		80
340	SP Kidney		80
341	SP Larynx		80
342	SP Lip		80
343	SP Liver		80
344	SP Lower Extremity		80
345	SP Lung		80
346	SP lymph node		80
347	SP Mandible and Maxilla		80
348	SP Mediastinum		80
349	SP Meninges		80
350	SP Muscle		80
351	SP Myocardium		80
352	SP Myometrium		80
353	SP Nasal cavity and parasinus		80
354	SP Nasopharynx		80

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355	SP Neck		80
356	SP Oesophagus		80
357	SP Omentum		80
358	SP Oral cavity and oropharynx		80
359	SP Ovary		80
360	SP Pancreas & ampullary region		80
361	SP Paraganglion		80
362	SP Parathyroid		80
363	SP Pelvis and sacral		80
364	SP Penis and Scrotum		80
365	SP Pericardium		80
366	SP Peritoneum		80
367	SP Placenta		80
368	SP Pleural		80
369	SP Product of conception		80
370	SP Prostate and Seminal Vesicle		80
371	SP Rectum		80
372	SP Retroperitoneum		80
373	SP Salivary gland		80
374	SP Skin		80
375	SP Small bowel		80
376	SP Soft tissue		80
377	SP Spleen		80
378	SP Stomach		80
379	SP Testis and testicular adnexae		80
380	SP Thymus		80
381	SP Thyroid		80
382	SP Tongue		80
383	SP Tonsil/adenoid		80
384	SP Trachea		80
385	SP Upper Extremity		80
386	SP Ureter		80
387	SP urethra		80
388	SP Urinary Bladder		80
389	SP Uterus		80
390	SP Vagina		80
391	SP Vessel		80
392	SP Vulva		80
393	Specific gravity		5
394	Specific protein CSF (eg immunoglobulin)		30
395	Spectroscopy, blood pigment		10
396	Sputum Cytology		30
397	Sputum FEME		20
398	Stercobilinogen		5
399	Stones Analysis		62
400	Stool FEME	198	20
401	Sugar		5
402	Sugar by TLC		30
403	Sugar Chromatography urine		30
404	Sugar profile		30
405	Synovial Fluid Cytology		30

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406	T & B cell enumeration		100
407	Test for Hemolysin		10
408	Test for platelet antibodies		170
409	Testosterone		45
410	Therapeutic Drug Monitoring (TDM)		10
411	Thiamin		30
412	Thriglycerides		40
413	Thyroid Profile		65
414	Thyroid Stimulating Hormone (TSH)	223	60
415	Thyroid uptake		40
416	Thyroxine 3 (T3)		60
417	Thyroxine 4 (T4)		40
418	Tissue Typing (HLA-A and B)		360
419	Tissue Typing (HLA-DR and DO)		360
420	Total Iron Binding Capacity (TIBC)		30
421	Total RBC		10
422	Total White and Differential Count (TWDC)		10
423	Total White Blood Cell Count (TWBC)		10
424	Transferrin		90
425	Treponema Pallidum (TPHA) Hemagglutination		30
426	Triglycerides	220	40
427	Urea	241	10
428	Urea Clearance Test		30
429	Uric Acid	228	20
430	Uric Acid (Urates)		20
431	Urine Antenatal		58
432	Urine concentration test (Pitressin test)		30
433	Urine Creatinine		30
434	Urine Cytology		30
435	Urine FEME		40
436	Urine Protein		30
437	Urobilin		10
438	Urobilinogen	242	20
439	VDRL Flocculation Test		20
440	Venereal Disease Research Laboratory (VDRL)		30
441	Vitamin A		20
442	Vitamin B12		40
443	Von Willebrand factor assay (ELIZA)		66
444	Wash RBC		100
445	Weil Felix agglutination Test		20
446	White Blood Cell		10
447	Widal agglutination Test		30
448	Widal Weil Felix	257	30
449	Xylose Absorption test	258	30