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FCPS Part 1 Preparation Book 2026

A full model paper in the real FCPS Part 1 pattern, with answer key



100 MCQs

Real FCPS Part 1 subject split

Answer key + online explanations

How to use this book

1. Sit each model paper in one go, in 120 minutes, with a pen and the answer sheet of your choice.
2. Mark yourself with the answer key at the back.
3. Every answer in the key is a link. Tap it to read why that option is right on TestUstad, free.

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What is in this book

100 MCQs across one paper, each drawn in the same subject split as the real FCPS Part 1 paper:

- Pathology: 20 MCQs per paper
- Physiology: 20 MCQs per paper
- Pharmacology: 20 MCQs per paper
- General Anatomy: 20 MCQs per paper
- Biochemistry: 10 MCQs per paper
- Microbiology: 10 MCQs per paper



MODEL PAPER 1 OF 1

FCPS Part 1

100 MCQs · 120 minutes · answer key at the back

**Pathology**

20 MCQs

1. Regeneration by sprouting of axons takes place in which end of transaction of nerve_____?

- ☐ A Proximal end
- ☐ B Distal end
- ☐ C Both A and B
- ☐ D None of the above

2. The cell with increased mitotic rate and resembling the undifferentiated mesenchymal cells of the same origin is _____?

- ☐ A Anaplastic
- ☐ B Dysplastic
- ☐ C Metaplastic
- ☐ D Hyperplastic

3. Kviem's test is diagnostic test for _____?

- ☐ A Actinomycosis
- ☐ B Diphtheria
- ☐ C Tuberculosis
- ☐ D Sarcoidosis

4. Which one of the following does not present antigens ?

- ☐ A NK cells (Natural killer cells)
- ☐ B Dendritic cells
- ☐ C Langerhan's cells
- ☐ D Macrophages

5. Which of the following is common in all forms of shock ?

- ☐ A Sepsis
- ☐ B Hypovolemia
- ☐ C Vasoconstriction
- ☐ D Impaired tissue perfusion

6. Syndrome associated with increased risk of leukemia is _____?

- ☐ A Plummer vinson syndrome
- ☐ B Klinefelter syndrome
- ☐ C Sturge weber syndrome
- ☐ D Multiple hamartoma syndrome

7. In hemophilic patient which of the following should not be given _____?

- ☐ A Factor VIII concentrate
- ☐ B Cryoprecipitate
- ☐ C EACA
- ☐ D Platelet factor

8. A patient has increased number of columnar cells in lower esophagus. He has which of the following change _____?

- ☐ A Dysplasia
- ☐ B Anaplasia
- ☐ C Metaplasia
- ☐ D Normal histology

9. All of the following events are common to primary and secondary wound healing except_____?

- (A) Formation of blood clot
- (B) Inflammatory response
- (C) Epithelial changes
- (D) Wound contraction

10. Nevus cell are_____?

- (A) Modified melanocytes
- (B) Cells containing excessive melanin pigment
- (C) Melangocytes which are functionally more active
- (D) large melanocytes

11. Beta 2 agonist causes_____?

- (A) Mydriasis
- (B) Contraction of urinary spinctors
- (C) Vasoconstriction
- (D) Bronchial muscle relaxation

12. The type of immunity activated in tuberculosis is_____?

- (A) Cell mediated
- (B) Humoral
- (C) Foreign body reaction
- (D) None of the above

13. Which of the following symptomatic atherosclerotic disease is correct_____?

- (A) Aorta - Aneurysm, thromboembolism
- (B) Heart - MI, Ischemic heart disease
- (C) Lower extremities - claudication gangrene
- (D) All of the above

14. Barr body is associated with_____?

- (A) Metaphase
- (B) Interphase
- (C) Anaphase
- (D) Prophase

15. The following are recognized causes of neutropenia Except_____?

- (A) Corticosteroid therapy
- (B) Typhoid fever
- (C) Aplastic anemia
- (D) Viral infection

16. The fading of cellular chromatin is_____?

- (A) Karyolysis
- (B) Karyorrhexis
- (C) Pyknosis
- (D) Cytolysis

17. Inflammation is characterized by _____?

- ☐ A Transudation -> exudation -> oedema
- ☐ B Oedema -> exudation
- ☐ C Exudation -> transudation -> oedema
- ☐ D Only by exudation -> oedema

18. Malignant tumour of skeletal muscle is _____?

- ☐ A Rhabdomyoma
- ☐ B Rhabdomyosarcoma
- ☐ C Leiomyoma
- ☐ D Leiomyosarcoma

19. All of the following types of collagen except one are present in cartilage _____?

- ☐ A 2
- ☐ B 4
- ☐ C 6
- ☐ D 9

20. T-Helper cells (TH2) initiates which type of immunity _____?

- ☐ A Induces cell mediated immunity
- ☐ B Induces Humoral immunity
- ☐ C Induces immunity by activation of cytotoxic T-cells
- ☐ D None of the above



Physiology

20 MCQs

21. Alveolar O₂ tension is _____?

- ☐ A Increased by hyperventilation
- ☐ B Decreased by hyperventilation
- ☐ C Similar to venous O₂ tension
- ☐ D Not affected by respiratory depression

22. Glomerular capillary pressure differ from other capillaries of body in _____?

- ☐ A Higher filtration pressure
- ☐ B Lower filtration pressure
- ☐ C Both of the above
- ☐ D None

23. The dicrotic notch on the aortic pressure curve is caused by _____?

- ☐ A Closure of the pulmonary valve
- ☐ B Rapid filling of the left ventricle
- ☐ C Closure of the aortic valve
- ☐ D Contraction of the atria

24. Rigor mortis results after death is due to _____?

- (A) Failure of acetylcholine to diffuse
- (B) Failure of ATP supply
- (C) Failure of break down of calcium bridges
- (D) None of the above

25. Function of ADH is _____?

- (A) Water reabsorption
- (B) Water excretion
- (C) Na⁺ absorption
- (D) K⁺ secretion

26. Hormones, which stimulate spermatogenesis, are _____?

- (A) Insulin and glucagon
- (B) Thyroxine and parathormone
- (C) A.D.H. and Oxytocin
- (D) Testosterone and F.S. H

27. Which of the following body secretions is maximum _____?

- (A) Salivary
- (B) Gastric
- (C) Sweat
- (D) Lacrimal

28. _____ is an example for rapidly acting neurotransmitter?

- (A) Somatostatin
- (B) Calcitonin
- (C) Substance P
- (D) Glycine

29. Which of them is not affected by vitamin K deficiency _____?

- (A) Factor IX
- (B) Factor VII
- (C) Factor II
- (D) Factor VIII

30. CO₂ is transported in plasma as _____?

- (A) Bicarbonate
- (B) Carbomino compounds
- (C) Dissolved
- (D) CO

31. In the human kidney, a renal papilla project directly into the _____?

- (A) Ureter
- (B) Major calyx
- (C) Minor calyx
- (D) Renal pyramid

32. Cardiac index is related to _____?

- (A) cardiac output and body weight
- (B) Cardiac output and body surface area
- (C) Cardiac output and work of the heart
- (D) Stroke volume and pulse rate

33. In an isotonic contraction of the muscle_____?

- (A) The muscle moves a load through a distance
- (B) The muscle is not able to move the load
- (C) The latent period of contraction is shorter than isometric contraction
- (D) The length of muscle is increased

34. Insulin facilitates glucose uptake in_____?

- (A) Kidney tubules
- (B) Red blood cells
- (C) Brain
- (D) Skeletal muscle

35. Ovulation is associated with sudden rise in_____?

- (A) Prolactin
- (B) Testosterone
- (C) L.H
- (D) Oxytocin

36. The oral and pharyngeal phases of swallowing take place very rapidly and last about_____?

- (A) 3.5 seconds
- (B) 1-1.5 seconds
- (C) 6.0 seconds
- (D) 9.5 seconds

37. function of Merkel's cells is_____?

- (A) Tactile sensation
- (B) Melanophage
- (C) Chemoreceptor
- (D) Proprioception

38. Major basic protein is an important constituent of which leucocyte_____?

- (A) Neutrophil
- (B) Eosinophil
- (C) Basophil
- (D) Lymphocyte

39. Energy expenditure during normal breathing_____?

- (A) 25% - 50% of total energy spent
- (B) 50% -75% of total energy spent
- (C) 15% - 20% of total energy spent
- (D) 2% - 3% of total energy spent

40. Amount of glucose absorbed in proximal convoluted tubule_____?

- (A) 100%
- (B) 0%
- (C) 60%
- (D) 50%



Pharmacology

20 MCQs

41. Sialogouges are_____?

- (A) Increases salivary secretions
- (B) Decrease salivary secretions
- (C) Indicator dye for sialography
- (D) Medication for over function

42. Morphine is contraindicated in all of the following except_____?

- (A) Pulmonary oedema
- (B) Emphysema
- (C) Bronchial asthma
- (D) Head injury

43. B- blocker with additional a-blocking property is_____?

- (A) Propranolol
- (B) Timolol
- (C) Metoprolol
- (D) Labetalol

44. Best and most effective drug to control convulsions in toxicity cases is_____?

- (A) Phenobarbitone
- (B) Phenytoin
- (C) Diazepam
- (D) Carbamezipine

45. Which among the following is a cell cycle specific anti-neoplastic drug ?

- (A) Cyclophosphamide
- (B) Doxorubicin
- (C) Methotrexate
- (D) Cisplatin

46. All of the following are endogenous corticosteroids released by all adrenal cortex EXCEPT_____?

- (A) Cortisol
- (B) Cortisone
- (C) Dexamethsone
- (D) Aldosterone

47. Following inhibits Cytochrome P450_____?

- (A) Cimetidine
- (B) Famotidine
- (C) Ranitidine
- (D) All of the above

48. Ivermectin is indicated in_____?

- (A) Scabies
- (B) Intestinal nematode infection
- (C) Filariasis
- (D) All of the above

49. Ipratropium bromide is used for_____?

- (A) Renal colic
- (B) Organophosphorus poisoning
- (C) Bronchial asthma
- (D) miosisConsult Online Doctors

50. Which of the following drugs when used for prolonged period in the maintenance treatment of tonic-clonic seizures can lead to increased metabolism of warfarin like drugs?

- (A) Phenobarbital.
- (B) Meprobamate
- (C) Chlordiazepoxide
- (D) Triazolam
- (E) Zolpidum

51. Which one of the following agents/ drugs is of no value in the post operative care of the hemophiliac patient ?

- ☐ A Tranexamic acid
- ☐ B Clopidogrel
- ☐ C Aminocaproic Acid
- ☐ D Factor VIII cryoprecipitate

52. Acute Barbiturate poisoning results in _____?

- ☐ A Renal failure
- ☐ B Liver failure
- ☐ C Respiratory failure
- ☐ D Convulsions

53. INFlixIMAB (systemic) is used in _____?

- ☐ A Crohn's disease (treatment)
- ☐ B To reduce the number of draining enterocutaneous fistula(s) in patients with fistulizing crohn's disease
- ☐ C Rheumatoid arthritis (treatment)
- ☐ D All of the above

54. Which one of the following does NOT act by increasing insulin secretion _____?

- ☐ A Glyburide
- ☐ B Repaglinide
- ☐ C Tolbutamide
- ☐ D Biguanide

55. Secretory immunoglobulin is _____?

- ☐ A IgG
- ☐ B IgA
- ☐ C IgM
- ☐ D IgE

56. All of the following drugs are contraindicated in patients with G-6-PD deficiency, except _____?

- ☐ A Cotrimoxazole
- ☐ B Furazolidone
- ☐ C Nalidixic acid
- ☐ D Ceftriaxone

57. Which of the following drugs cannot reduce the salivary secretions ?

- ☐ A Amitriptyline
- ☐ B Disopyrmiide
- ☐ C Atenolol
- ☐ D Neostigmine

58. Atypical Antipsychotic are all except _____?

- ☐ A Olanzapine
- ☐ B Clozapine
- ☐ C Risperidone
- ☐ D Thioridazone

59. Which one of the anti hypertensives is contraindicated in pregnancy ?

- ☐ A Hydralazine
- ☐ B a-Methldopa
- ☐ C Nifedipine
- ☐ D Enalapril

60. A child is brought with drowsiness, decreased deep tendon reflexes and seizures. On examination the child has a blue line on gums. There is history of constipation. Which will be most appropriate drug that should be used in this child ?

- ☐ A EDTA
- ☐ B DMSA
- ☐ C BAL
- ☐ D Penicillamine



General Anatomy

20 MCQs

61. The slightly movable articulations in which the contiguous bony surfaces are either connected by broad flattened disks of fibrocartilage or united by interosseous ligaments are known as _____?

- ☐ A Gomphosis
- ☐ B Enarthroses
- ☐ C Diarthroses
- ☐ D Amphiarthroses

62. Which of the following nerves are branches of mandibular nerve ?

- ☐ A Lingual, facial and palatine nerve
- ☐ B Lingual and inferior alveolar nerves
- ☐ C Inferior alveolar and cervical nerves
- ☐ D All of the above

63. All of the following are composite muscles except _____?

- ☐ A Pectineus
- ☐ B Rectus femoris
- ☐ C Adductor magnus
- ☐ D Biceps femoris

64. The left subclavian artery is a branch of _____?

- ☐ A Brachio cephalic trunk
- ☐ B Ascending aorta
- ☐ C Arch of aorta
- ☐ D Left common carotid

65. Which of the following is NOT true about paramedian pits _____?

- ☐ A Found on the lower lip
- ☐ B Found on the upper lip
- ☐ C On either side of the midline
- ☐ D Associated with cleft lip and palate

66. Ducts of Bellini are found in _____?

- ☐ A Pancreas
- ☐ B Submandibular salivary gland
- ☐ C Kidney
- ☐ D Liver

67. The cranial nerves which are part of parasympathetic card via _____?

- ☐ A III, IV, V, VII
- ☐ B III, VII, VIII, IX
- ☐ C III, VII, IX, X
- ☐ D VII, IX, X, XI

68. Injury to the median nerve occurs frequently when following artery is used for taking an ABG sample _____?

- ☐ A Radial artery
- ☐ B Brachial artery
- ☐ C External carotid artery
- ☐ D Femoral artery

69. Holocrine secretion is seen in _____?

- ☐ A Salivary
- ☐ B Mammary
- ☐ C Sebaceous glands
- ☐ D Gastric

70. Smiling and frowning are actions produced by the following nerves _____?

- ☐ A Mastication; trigeminal (V cranial)
- ☐ B mastication; facial (VII cranial)
- ☐ C Facial expression; trigeminal (V cranial)
- ☐ D Facial expression; facial (VII cranial)

71. Sympathetic innervation of heart is by _____?

- ☐ A T1 - T3
- ☐ B T2 - T6
- ☐ C T3 - T7
- ☐ D L1 - L5

72. Anterior 2/3rd of tongue arises from _____?

- ☐ A Hypobranchial eminence
- ☐ B Two lingual swellings
- ☐ C Tuberculum impar
- ☐ D B & C

73. The kidney has _____ segments?

- ☐ A 11
- ☐ B 9
- ☐ C 7
- ☐ D 5

74. Ligamentum denticulaum is _____?

- ☐ A Only a pair of pial extension
- ☐ B A dural derivative
- ☐ C Arachnoid extension only
- ☐ D Extends to sacral segments only

75. All of the following muscles retract scapula except _____?

- ☐ A Trapezius
- ☐ B Rhomboid major
- ☐ C Rhomboid minor
- ☐ D Levator scapulae

76. Type of collagen present in cicumaxillary sutures _____?

- ☐ A Type I
- ☐ B Type II
- ☐ C Type III
- ☐ D Type IV

77. The palatine bone furnishes the link between _____?

- ☐ A Maxilla and the sphenoid bone
- ☐ B Sphenoid and the ethmoid bone
- ☐ C Sphenoid and the vomer
- ☐ D None of the above

78. Carina in an adult is at the level of _____?

- (A) T2
- (B) T3
- (C) T4
- (D) T6

79. A person showing two cell lines driven from one zygote is _____?

- (A) Chimerism
- (B) Mosaicism
- (C) Segregation
- (D) Pseudo - dominance

80. Liver is divided into _____?

- (A) 8 Couinaud Segments
- (B) 7 Couinaud Segments
- (C) 9 Couinaud Segments
- (D) 10 Couinaud Segments



Biochemistry

10 MCQs

81. Ketone bodies are by products of metabolism of _____?

- (A) Carbohydrate
- (B) Protein
- (C) Fat
- (D) All of the above

82. Vit-K deficiency is indicated by _____?

- (A) Low platelet count
- (B) Increased prothrombin time
- (C) Decreased prothrombin time
- (D) None of the above

83. R-RNA is mainly produced mainly in _____?

- (A) Nucleus
- (B) Nucleolus
- (C) Ribosome
- (D) Endoplasmic reticulum

84. The monosaccharide glucose is best described by which one of the following statements?

- (A) It usually exists in the furanose form
- (B) It is a ketose
- (C) It possesses an anomeric C-2 carbon atom
- (D) It forms part of the disaccharide sucrose

85. The main pathways of metabolism in brain are _____?

- (A) Glycolysis and citric acid cycle
- (B) Glycogenolysis and Gluconeogenesis
- (C) Embden-Meyerhof Pathway and H.M.P shunt
- (D) Glycogenolysis and Citric and cycle

86. Vitamin K antagonizes _____?

- (A) Corticosteroids
- (B) Thrombin formation
- (C) Bishydroxy coumarin
- (D) Production of clotting factors by liver

87. Ubiquitin is involved in _____?

- (A) Intracellular proteolysis
- (B) Electron transport chain
- (C) Transport of ATP
- (D) Protein folding

88. A material that speeds up a chemical reaction without chemically becoming involved is called _____?

- (A) A solvent
- (B) A base
- (C) A catalyst
- (D) Thermoplastic

89. The reducing equivalent for fatty acid synthesis is derived from _____?

- (A) Glycolysis
- (B) Krebs cycle
- (C) Urea cycle
- (D) Pentose phosphate pathway

90. Amino acids excreted in the urine in cystinosis _____?

- (A) Cystine
- (B) Ornithine
- (C) Arginine
- (D) Lysine
- (E) All of the above



Microbiology

10 MCQs

91. The following statement is true regarding fungal infection _____?

- (A) Dermatophyte infection are exclusively man to animal
- (B) Rhinosporidium causes deep infection in man
- (C) albicans is not pathogenic to lab animals
- (D) Candida infection is usually endogenous

92. The difference between sterilization and disinfection is that _____?

- (A) Disinfection kills all spores but sterilization does not
- (B) Sterilization kills all spores but disinfection does not
- (C) Sterilization involves chemicals and disinfection involves physical methods
- (D) Sterilization is easier to achieve

93. All the following amoeba live in the large intestine except _____?

- (A) coli
- (B) nana
- (C) gingivalis
- (D) histolytica

94. Normal ratio of CD4 (T4) : CD8 (T8) is _____?

- (A) 2:1
- (B) 1:2
- (C) 3:1
- (D) 1:3

95. Which of the following characteristics of bacteria is not true?

- (A) Unicellular
- (B) Free living
- (C) Having either DNA or RNA
- (D) Cell wall containing muramic acid

96. Staphylococcus does not causes _____?

- (A) Osteomyelitis
- (B) Abscess
- (C) Scarlet fever
- (D) Pneumonia

97. Australian antigen is _____?

- (A) HB Ag
- (B) HBs AG
- (C) HBV
- (D) None of the above

98. The inflammatory type of tinea capitis with superadded secondary bacterial infection leading to a painful, circumscribed, boggy, and indurated lesion, is called _____?

- (A) Kerion
- (B) Alopecia areata
- (C) Pilomatrixoma
- (D) Tinea incognito

99. Which of the following provides best guarantee for sterilization in the heat sterilizer ?

- (A) Using chemical indicator strip or pouch
- (B) Recording a temperature/ pressure readings from sterilizer gauge
- (C) Using a bacterial spore test
- (D) Determining the ability of a sterilizer to kill the hepatitis B virus

100. Leishmania is cultured in _____ media?

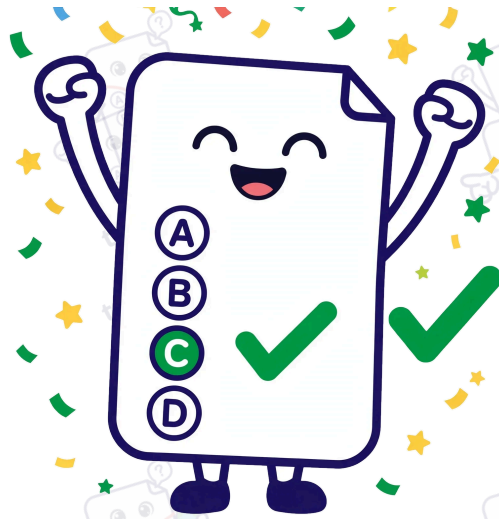
- (A) Chocolate agar
- (B) NNN
- (C) Tellurite
- (D) Sabourauds

Answer key

Tap any answer to open its full explanation on TestUstad.

Model Paper 1

1	A	2	A	3	D	4	A	5	D	6	B	7	D	8	C	9	D	10	A
11	D	12	A	13	D	14	B	15	A	16	A	17	A	18	B	19	B	20	B
21	A	22	A	23	C	24	B	25	A	26	D	27	B	28	D	29	D	30	A
31	C	32	B	33	A	34	D	35	C	36	B	37	A	38	B	39	D	40	A
41	A	42	A	43	D	44	C	45	C	46	C	47	A	48	D	49	C	50	A
51	B	52	C	53	D	54	D	55	B	56	D	57	D	58	D	59	D	60	A
61	D	62	B	63	B	64	C	65	B	66	C	67	C	68	B	69	C	70	D
71	B	72	D	73	D	74	A	75	D	76	A	77	A	78	C	79	B	80	A
81	C	82	B	83	B	84	D	85	A	86	C	87	A	88	C	89	D	90	E
91	D	92	B	93	C	94	A	95	C	96	C	97	B	98	A	99	C	100	B



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