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JPSC

**Previous Year Paper
Dental Officer (Doctor)
Paper-I 2016**



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Booklet Series

A

Booklet No.

102817

**QUESTION BOOKLET
PAPER - I**

Time Allowed : 2 Hours

Maximum Marks : 100

INSTRUCTIONS FOR CANDIDATES

1. Immediately after the commencement of the Examination you should check that this Question Booklet **does not have any unprinted or torn or missing pages or items**, etc. If so, get it replaced by a complete Question Booklet.
2. You have to enter your Roll Number on the Question Booklet in the Box provided alongside. **DO NOT** write anything else on the Question Booklet.
3. Candidate must fill up the necessary information in the space provided on the supplied OMR (Optical Mark Recognition) Answer Sheet before commencement of the Examination. **See directions on the OMR Answer Sheet.**
4. For marking the correct answer, darken **one** circle by **black or blue** ball point pen only. **Do not mark more than one circle.** Darkening more than one circle against an answer will be treated as wrong answer.
5. Do not detach any leaf from this Question Booklet. After the Examination, **hand over the OMR Answer Sheet to the Room Invigilator.** You are allowed to take the Question Booklet after the Examination is over.
6. This Question Booklet contains **100 questions**. There is no negative marking for any wrong answer.
7. One page has been provided for Rough Work in this Question Booklet.
8. Possession and use of Calculator, Mobile Phone and Electronic Gadget etc. is prohibited in the Examination Hall.
9. Candidates are informed that evaluation of the **OMR Answer Sheet will be done by Electronic Machine. So, you should shadow the bubbles of Roll No. and Booklet Series properly on OMR Answer Sheet, otherwise Machine will not be able to capture the required information.** Failure to comply this instruction will be the sole responsibility of the candidates.
10. Candidates appearing in the Examination will be allowed to leave the Examination Hall only after completion of the Examination.

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29. Fusion of palatal shelves requires alteration in epithelium on the mesial edges

- (A) During elevation
- (B) Prior to elevation
- (C) After elevation
- (D) Does not require any attenuation during fusion

30. Resorption of deciduous incisors and canine begins on

- (A) Buccal surface
- (B) Distal surface
- (C) mesial surface
- (D) Lingual surface

31. Mandibular 1st molar has

- (A) 3 cusps
- (B) 2 cusps
- (C) 4 cusps
- (D) 5 cusps

32. Hemostasis depends on all of the following except

- (A) Erythropoietin
- (B) Platelet aggregation
- (C) Vaso constriction
- (D) Calcium

33. Pulse rate is increased in all of the above except

- (A) Hypovolemia
- (B) During exercise
- (C) Fever
- (D) Hypothyroidism

34. A person is having tidal volume 500 ml, vital capacity 4700 ml and inspiratory capacity 3500 ml, his expiratory reserve volume will be

- (A) 3000 ml
- (B) 1700 ml
- (C) 1200 ml
- (D) 700 ml

35. Angiotensin converting enzyme inhibitors do not cause

- (A) Hyperkalemia
- (B) Hypernatremia
- (C) Angioedema
- (D) Dysgeusia

36. Metronidazole penetrates well in all except

(A) Breast milk (B) Placenta
(C) Seminal fluid (D) Saliva

37. Adverse effects of thiazide include all except

(A) Hypokalemia (B) Decrease glucose tolerance
(C) Hyponatremia (D) Hypocalcemia

38. Characteristic of tramadol is

(A) strong μ opioid receptor antagonist
(B) not metabolised by liver
(C) more effective in racemic mixture than either enantiomers
(D) not reduce the seizure threshold

39. Following are the immunosuppressant except

(A) Tacrolimus (B) Tetanus toxoid
(C) Etanercept (D) Mycophenolate Mofetil

40. Which of the following do not suppress gastric acid secretion ?

(A) Pantoprazole (B) Famotidine
(C) Sucralfate (D) Pirenzapine

41. Calcium is absorbed predominantly from

(A) Duodenum (B) Jejunum
(C) Ileum (D) Colon

42. Which of the following analgesic cannot be given in head injury patient ?

(A) Morphine (B) Ibuprofen
(C) Rofecoxib (D) Acetaminophen

43. Which of the following LA does not cause vasodilation ?

(A) Tetracaine (B) Lidocaine
(C) Cocaine (D) Bupivacaine



44. Which of the following penicillins has an anti pseudomonas activity ?

(A) Cefalexin (B) Piperacillin
(C) Dicloxacillin (D) Cloxacillin

45. All of the following drug cause bone marrow aplasia except

(A) Phenylbutazone (B) Alpha methyl hydantoin
(C) Chloramphenicol (D) Methicillin

46. Which of the following statement is correct about a highly ionized drug ?

(A) it accumulates in cellular lipid
(B) it can cause easily the placental barrier
(C) it is excreted mainly by kidney
(D) it is absorbed from intestine

47. Which of the following drug at higher doses changes its kinetic from 1st order to zero order ?

(A) Phenytoin (B) Esmolol
(C) Theophylline (D) Probenecid

48. All of the following antihypertensive drug can be used safely in hypertensive pregnant female except

(A) nifedipine (B) Methyldopa
(C) Enalapril (D) Labetalol

49. Which of the following is a parenteral route of drug administration ?

(A) Oral (B) Topical
(C) Sublingual (D) Intravenous

50. Which of the following is a Beta 2 antagonist bronchodilator used in acute bronchial asthma ?

(A) Theophylline (B) Salbutamol
(C) Salmeterol (D) Sodium cromoglycate



68. Cotton wool appearance is seen in
(A) Cherubism (B) Massive osteolysis
(C) Central giant cell granuloma (D) Paget's disease

69. Fibrous dysplasia is usually caused by
(A) Viral infection (B) GNAS1 gene mutation
(C) GS alpha gene mutation (D) PAX gene mutation

70. Papilloma is caused by
(A) Tobacco consumption (B) Alcohol consumption
(C) Virus (D) Bacteria

71. Most common sequelae of dental caries is
(A) Pulpal inflammation (B) Periapical pathosis
(C) Osteomyelitis (D) Sinus formation

72. All are clinical features of myasthenia gravis except
(A) Worsen by exertion (B) Proximal muscle weakness
(C) Absent deep tendon reflex (D) Spontaneous remission

73. Upper motor neuron lesion is characterised by
(A) Weakness and spasticity (B) Rigidity
(C) Fasciculations (D) Localised muscular atrophy

74. ST segment elevation seen in all of the following condition except
(A) Myocardial infarction (B) Constrictive pericarditis
(C) Ventricular aneurysm (D) Coronary artery spasm

75. Most common lymph node involved in Hodgkin's lymphoma is
(A) Inguinal (B) Cervical
(C) Axillary (D) Subclavicular



66. Which of the following is not a cause of urogenital ulceration ?
(A) Ulcerative colitis (B) Reiter's syndrome
(C) Coeliac disease (D) Steven Johnson syndrome

67. In the diagnosis of Rheumatic fever which of the following may be helpful ?
(A) Staph aureus grown on throat culture
(B) Polyarthritis
(C) ASO titre of less than 1: 200
(D) A generalised maculopapular rash

68. Which of the following drug cause gingival hyperplasia ?
(A) Levtriacetam (B) Phenytoin
(C) Valproate (D) Amoxicillin

69. Which type of patient is most likely hypersensitive to aspirin ?
(A) Extrinsic asthmatic (B) Intrinsic asthmatic
(C) Chronic bronchitic (D) Patient with viral infection

70. Highest malignant potential
(A) Leukoplakia (B) Erythroplakia
(C) OSMF (D) Verrucous hyperplasia

71. Dens in dente is most commonly seen in
(A) Central incisor (B) Lateral incisor
(C) Canine (D) Premolars

72. Widening of PDL space is not seen in
(A) Fibrosarcoma (B) Osteosarcoma
(C) Scleroderma (D) Hyperparathyroidism

73. Which of the following is not a Hamartoma ?
(A) Hemangioma (B) Lymphangioma
(C) Torus palatinus (D) Fordyce's spots



74. The following statement is true for nephrotic syndrome except
(A) RBC cast are found in urine (B) Hypoproteinuria
(C) Edema (D) Hyperlipidemic

75. All of the following can cause optic neuritis except
(A) Rifampicin (B) Digoxin
(C) Chloroquine (D) Ethambutol

76. Cause of vasodilation in spider nevi
(A) Estrogen (B) Testosterone
(C) Hepatotoxin (D) FSH

77. The valve least effected in rheumatic fever is
(A) Pulmonary valve (B) Tricuspid valve
(C) Aortic valve (D) Mitral valve

78. Kidney has following functions
(A) Excreting waste products (B) Secreting hormones
(C) Regulation acid-base balance (D) All of the above

79. Which of the following is not a side effect of amlodipine ?
(A) Pedal edema (B) Tachycardia
(C) Dizziness (D) Hyperkalemia

80. 95% of all UTI are caused by
(A) S. Epidermidis (B) Candida
(C) Enterococcus (D) E. coli

81. All are true for hemophilic except
(A) Increase Partial Thromboplastin Time (PTT)
(B) Increased bleeding time
(C) Decreased factor VIII
(D) Decreased factor IX

82. A 56 year old male came to you for dental extrusion. His Hb was 18 gm/dl. Which test will you do to exclude polycythemia vera ?

(A) Hematocrit (B) Total leucocyte count
(C) Total platelet count (D) Red cell mass

83. A 70 year old male developed pain in epigastrium. He was taking omeprazole for peptic ulcer disease for the last 3 months. What investigation will you ask urgently ?

(A) An ECG
(B) Upper GI endoscopy
(C) Ultrasound of upper abdomen
(D) Plain X-ray of abdomen

84. A young male patient while consulting you also revealed that he had cough, evening rise of temperature, weight loss for last 2 months. What investigation will you advice ?

(A) Sputum for AFB (B) Mantoux test
(C) X ray of chest (D) All of the above

85. All are seronegative spondyloarthropathy with eye manifestation except

(A) Ankylosing spondylitis (B) Reiter's syndrome
(C) Rheumatoid arthritis (D) Psoriatic arthritis

86. Which of the following is not test for diabetes mellitus ?

(A) Fasting blood glucose (B) Random blood glucose
(C) D-xylose test (D) Oral glucose tolerance test

87. HbA1c level in blood explains

(A) Acute rise of blood sugar
(B) Long term status of blood sugar
(C) Chronic pancreatitis
(D) Hepatorenal syndrome



94. False about trans fatty acid

- (A) Hydrogenation increase TFA
- (B) Fried food have high content of TFA
- (C) Hydrogenation decrease TFA
- (D) It increases LDL and decrease HDL

95. Sickling in Hbs disease is primarily caused by

- (A) Decreased solubility
- (B) Altered function
- (C) Altered O₂ binding capacity
- (D) Decreased stability

96. All vitamins play role in citric acid cycle except

- (A) Riboflavin
- (B) Pantothenic acid
- (C) Niacin
- (D) Ascorbic acid

97. All of the following are features of right sided heart failure except

- (A) Pulsatile liver
- (B) Increased JVP
- (C) Pedal edema
- (D) Crepitation over lung base

98. All are true of nephrotic syndrome except

- (A) Oedema
- (B) Hypoproteinemia
- (C) RBC cast in urine
- (D) Hyperlipidemic

99. All of the following are associated with gastric ulcer except

- (A) Smoking
- (B) H. pylori infection
- (C) High acid output
- (D) Bile reflex

100. Klinefelter syndrome karyotype is

- (A) 47 XXX
- (B) 45 XO
- (C) 47 XXY
- (D) 46 XX