

DKMM HOMOEOPATHIC MEDICAL COLLEGE

MAHARASHTRA UNIVERSITY OF HEALTH SCIENCES, NASHIK SUB - PATHOLOGY & MICROBIOLOGY

2ND BHMS TIME 3HRS TOTAL MARKS – 100

Q1. Write appropriate answer [any 10 out of 15]

3 from general pathology, 3 from systemic pathology, 3 from bacteriology, 3 from parasitology, 2 from clinical pathology/hematology & 1 from virology

- 1] name any 2 components of Virchow's triad of thrombosis
- 2] name any 2 factors enhancing wound healing
- 3] name any 2 oncogenic viruses
- 4] name any 2 causes of shock
- 5] name any 2 factors responsible for pathogenesis of oedema
- 6] name any 2 cardinal signs of acute inflammation
- 7] any 2 types of necrosis
- 8] name any 2 reversible cell injuries
- 9] name any 2 causes of metastatic calcification
- 10] name any 2 causes of cirrhosis of liver
- 11] name any 2 causes of chronic bronchitis
- 12] name any 2 causes responsible for bronchogenic carcinoma
- 13] any 2 predisposing factors for pathogenesis of SABE
- 14] name any 2 biochemical findings s/o AMI
- 15] How much is normal value of sr bilirubin? Give any 2 types of jaundice
- 16] what are causes of meningitis [any 2]
- 17] what are causes of plural effusion
- 18] what is ARDS? Name any 2 causes responsible for it
- 19] name any 2 indications for urine examination
- 20] name any 2 causes of iron deficiency anemia
- 21] name any 2 types of lymphoma
- 22] what are causes of prolonged bleeding time & clotting time [any 2 each]
- 23] name any 2 causes of thrombocytopenia
- 24] any 2 indications for stool examination
- 25] any 2 culture media with examples
- 26] name any 2 spore forming bacteria
- 27] name any 2 pathogenicities by staph aureus
- 28] name any 2 causes for food poisoning
- 29] name any 2 morphological features of cl welchii
- 30] name any 2 bacterial zoonotic diseases
- 31] any 2 bacteria which are Gram positive bacilli
- 32] name any 2 liquid culture media used for Vibrio cholerae
- 33] name any 2 diseases caused by E Coli
- 34] name any 2 parasites in which man is definitive host
- 35] in which parasite hydatid cyst is seen as larval stage?
- 36] what are differences between protozoa & helminth
- 37] name any 2 intestinal nematodes
- 38] name any 2 morphological stages of E histolytica
- 39] name parasite which can spread by sexual transmission
- 40] name any 2 parasites responsible for Loeffler's pneumonia
- 41] What are morphological stages of E vermicularis

- 42] What is NIH swab? What is use of it?
- 43] name any 2 DNA viruses
- 43] name virus responsible for infectious mononucleosis
- 44] name any 2 stages in replication of viruses
- 45] name any 2 viruses which are transmitted by oro fecal route

Q2 write short answers [any 4 out of 6]
2 from general pathology, 2 from bacteriology, 2 from parasitology

- 1] giant cell
- 2] coagulative necrosis
- 3] pathological calcification
- 4] differences between benign & malignant tumor
- 5] renal oedema
- 6] factors influencing wound healing
- 7] bacterial spore
- 8] pathogenicity of M tuberculosis
- 9] schick's test
- 10] Widal tet
- 11] pathogenicity of E coli
- 12] VDRL test
- 13] hydatid cyst
- 14] pathogenicity of D medinensis
- 15] T trichura
- 16] T vaginalis
- 17] G lamblia
- 18] lab diagnosis of kala azar

Q3 write short answers [any 4 out of 6]
2 from systemic pathology, 2 from clinical pathology, 1 from miasm, 1 from virology

- 1] peptic ulcer
- 2] bronchial asthma
- 3] ulcers in intestine
- 4] Aschoff's nodule
- 5] bronchogenic carcinoma
- 6] rheumatic endocarditis
- 7] urine examination
- 8] renal function test
- 9] occult blood in stool
- 10] diagnostic significance of gastric analysis
- 11] CSF in meningitis
- 12] Peripheral smear in megaloblastic anemia
- 13] inflammation in relation with psora
- 14] Tumor in relation with psychosis
- 15] Gastric ulcer in syphilis
- 16] general characters of viruses
- 17] inclusion bodies
- 18] cultivation of viruses

Section B

Q4 Long answer question [any 2 out of 4]

2 from bacteriology & 2 from parasitology

1] Describe in details of culture medias

2] describe morphology, cultural characters, pathogenicity & lab diagnosis of meningococcus

3] Describe morphology, cultural characters, pathogenicity & lab diagnosis of E coli

4] Describe morphology, cultural characters, pathogenicity & lab diagnosis of gonococcus

5] Describe morphology, cultural characters, pathogenicity & lab diagnosis of V cholerae

6] Describe morphology, cultural characters, pathogenicity & lab diagnosis of CI welchii

7] Describe morphology, life cycle, pathogenicity & lab diagnosis of L. Donovanii

8] Describe morphology, life cycle, pathogenicity & lab diagnosis of A lumbricoides

9] Describe morphology, life cycle, pathogenicity & lab diagnosis of W Bancrofti

10] Describe morphology, life cycle, pathogenicity & lab diagnosis of E Granulosus

11] Describe morphology, life cycle, pathogenicity & lab diagnosis of D medinensis

12] Describe morphology, life cycle, pathogenicity & lab diagnosis of E histolytica

Write any one from Q 5, 6 & 7 1X20 =20marks

1 from bacteriology or parasitology, 1 from general pathology, 1 from systemic pathology

1] Describe P vivax under following

- a] morphology,
- b] life cycle,
- c] pathogenicity
- d] lab diagnosis

2] Describe A duodenale under following

- a] morphology,
- b] life cycle,
- c] pathogenicity
- d] lab diagnosis

3] Describe S Typhi under following

- a] morphology,
- b] cultural characters
- c] pathogenicity
- d] lab diagnosis

4] Describe Atherosclerosis under following

- a] aetiology
- b] pathogenesis
- c] gross & microscopic appearance
- d] complications

5] Describe shock under following

- a] classification & aetiology
- b] reversible stage
- c] irreversible stage
- d] morphological changes in different organs

6] describe amyloidosis under following

- a] Types & causes
- b] pathogenesis
- c] changes in spleen, liver
- d] methods of staining

7] describe cirrhosis of liver under following

- a] aetiology & classification
- b] gross & microscopic changes in alcoholic cirrhosis
- c] Biliary cirrhosis
- d] complications of cirrhosis

8] Describe SABC under following

- a] aetiology
- b] pathogenesis
- c] gross & microscopic appearance
- d] complication

9] Describe Inflammatory Bowel disease under following

- a] aetiology & theories of pathogenesis
- b] gross & microscopic appearance
- c] comparison between Crohn's disease & Ulcerative colitis
- d] complications of IBD