

THE TAMIL NADU Dr.M.G.R.MEDICAL UNIVERSITY,  
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**Prof. Dr.T.BALASUBRAMANIAN, M.S., D.L.O.**

**REGISTRAR**

**Ref .No. AC1(5) / 35908-1 / 2017-1**

**Date:16.08.2017**

To

All the Deans / Principals of all affiliated Institutions of this University.

Sir/Madam,

Sub: Academic – The Tamil Nadu Dr. M.G.R. Medical University,  
Chennai – Recommendation of the 53<sup>rd</sup> meeting of the Standing  
Academic Board held on 27.04.2017 - Communicated – Reg.

Ref: 1 Minutes of the Board of Studies meeting held on 22.03.2017  
for Second MBBS degree course.

2. Minutes of the Standing Academic Board 53<sup>rd</sup> meeting  
held on 27.04.2017

3. Resolution No. 25, passed at 253<sup>rd</sup> meeting of the Governing  
Council held on 29.06.2017.

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I am to inform that the Meeting of the Board of Studies in Second MBBS degree course was held on 22.03.2017 and discussed various academic matters. The recommendations of the Board of Studies in Second MBBS degree course was approved by the 53<sup>rd</sup> Meeting of Standing Academic Board held on 27.04.2017 and passed in the 253<sup>rd</sup> Meeting of the Governing Council held on 29.06.2017 which are detailed below:

The Board has resolved that since Bioethics is already included in the revamped II MBBS syllabus and curriculum, the Bioethics Training Programme will be conducted by the University once in every 6 Months to all the faculties of the affiliated Medical Colleges.

It was also resolved that the HOD can allocate and teach Bioethics in their respective departments for a minimum of 4 hours in that academic year.

It was resolved that the respective HOD's should ensure that the students are adequately exposed in the following topics in the NSS curriculum to be included as Elective subjects during Second MBBS.

1. Disaster Management
2. Health Hygiene and Sanitation
3. Yoga and Health
4. Social harmony and National Integration
5. Role of Youth Leadership
6. Environmental issues
7. Additional life skills.

It was also resolved to include Structured Objective Questions as part of the Question paper in Internal Assessment Tests either in Brief Answers or very short answers category. The model Question paper in this regard is attached with this letter.

I am to request that the above decision of the Standing Academic Board may be communicated to all the Professors and Head of Departments for information and for further follow up action in this regard. I am also be request that a copy of this letter shall be displayed on the Notice Board of the College/Hostel for information of the Student community.

The receipt of this letter be acknowledged.

Yours faithfully,  
.....Sd.....  
**REGISTRAR**

**Copy to**

1. The Academic Officer
2. The Controller of Examinations i/c
3. The Deputy Controller of Examinations (MBBS)
4. The Deputy Registrar – Academic Section
5. The Assistant Registrar of Examination wing – MBBS section
6. The Assistant Registrar and Personal Secretary to Vice Chancellor
7. Section Officer – AC I section

**MODEL QUESTION PAPER (APPLICABLE TO ALL PRE/PARA CLINICAL SUBJECTS)**

A. ESSAY (10 marks)

70 Yr old Male had a mole on the dorsum of his right foot which became a non healing

ulcer (10 marks)

### BIOPSY REPORT – MALIGNANT LESION

- A. Name 5 malignant lesions that can arise from that site (1)
- B. Describe the histological picture of any one from (A) (1)
- C. Differentiate the histological feature of its benign counterpart and the cell of origin (1)
- D. Give any one genetic event and its mechanism in the evolution of the lesion mentioned in (A) (3)
- E. What other pathological test can be done in this case for confirmation of diagnosis (1)
- F. Elaborate how can the lesion mentioned in (B) spread (1)
- G. Premalignant lesion (1)
- H. What is sentinel node ? (1)

### B. SHORT ANSWERS ( 6 X 4 marks)

1. 50 Yr old male presents at surgical OPD for 3 episodes of hematemesis. Endoscopy showed ulceroproliferative lesion. Gastrectomy was done and the specimen sent to pathology department. There was a tumor 5cm extending into serosa.

- 1. What is your diagnosis ? (½)
- 2. Give the 4 gross appearances of this lesion. (1)
- 3. Describe the microscopic appearances of this lesion. (1)
- 4. List 4 etiological factors. (1)
- 5. How is this lesion staged ? (½)

2. 20 Yr old male complaints of bone pain in the lower femur. X-ray -osteolytic lesion in the metaphysis with coin like shadows in x ray.

- 1. Give the diagnosis and histology (1)
- 2. Name 2 benign bone tumors and its malignant counterparts. (1)
- 3. What is the cause of the chest X ray finding. Elaborate on the mechanism involved. (2)

3. 7 Yr child is diagnosed as Burkitt lymphoma.

- 1. What is the cell of origin ? (½)
- 2. What is the etiological agent ? (½)
- 3. Elaborate on the pathogenesis of this condition ? (3)

### 4. MATCH THE FOLLOWING

- |                            |   |                       |
|----------------------------|---|-----------------------|
| 1. H.Pylori                | - | Poorly differentiated |
| 2. Anaplasia               | - | Keratin pearls        |
| 3. Squamous cell carcinoma | - | Carcinogen            |
| 4. MLH                     | - | Oncogene              |

- 5. Cyclin - Colorectal carcinoma
- 6. KARS - Lynch syndrome (1 ½)

- (a) Elaborate on the pathological significance of H.Pylori (1)
- (b) What is KRAS and its pathological significance ? (½)
- (c) Classify oncogenes with examples (1)

5. MATCH THE FOLLOWING

- 1.Oncogene - Radiation
- 2. Dysplasia - Chemical carcinogen
- 3. DNA adducts - HPV
- 4. Pyrimidine dimers - Cyclins
- 5. Metastasis - Cadherin (1)

1 Yr child presents with malignant tumor of eye

BIOPSY – RETINOBLASTOMA

- (a) Elaborat on the molecular mechanism underlying this tumor (3)

6. Epithelial Mesenchymal Transition (4)

C. VERY SHORT ANSWERS : ( 4 X 1 ½ marks)

- 1.Histology of Teratoma
- 2. Interactions of p53
- 3.Genes involved in G 1 Phase & G 1 – S transition.
- 4. Find the odd one out and reason ; Melanoma, Ostema, Hepatoma, Lymphoma.