

PAKISTAN INSTITUTE OF ENGINEERING AND APPLIED SCIENCES
P.O. Nilore, Islamabad

Subject: **THE WRITTEN TEST FOR MScNUCLEAR MEDICINE / RADIATION AND MEDICAL ONCOLOGY**

- This Question paper is to test your knowledge in general medicine and surgery. All 60 questions will be from general medicine and surgery. **The use of calculator will not be allowed.**

- WRITING TABLES MAY NOT BE AVAILABLE DURING THE WRITTEN TEST. THEREFORE, ALL CANDIDATES ARE ADVISED TO BRING THEIR OWN WRITING CLIPBOARDS WITH THEM FOR THEIR USE DURING THE WRITTEN TEST.

- The instruction sheet that will accompany the written test is attached with this note. Read these instructions carefully now to save time during the examination. In order to give an idea of the written test, a sample test paper has also been provided. These questions have been answered on the answer sheet provided at the end.

Director Academics
PIEAS

PAKISTAN INSTITUTE OF ENGINEERING AND APPLIED SCIENCES
P. O. Nilore, Islamabad

SAMPLE TEST

MSc NUCLEAR MEDICINE / RADIATION AND MEDICAL ONCOLOGY

Time Allowed: **1.5 Hours = 90 minutes**

ROLL NO: _____

SERIAL NO: _____

NAME: _____

EXAMCITY: _____

(Use BLOCK Letters)

SIGNATURE: _____

READ THE FOLLOWING INSTRUCTIONS CAREFULLY
BEFORE ATTEMPTING ANY QUESTION

1. Make sure that the question book given to you contains 60 questions.
2. Check to see if you are provided with answer sheet consisting of **ONE** page only.
3. WRITE YOUR NAME AND ROLL NO. ON THIS PAGE AND ALSO ON THE ANSWER SHEET.
4. To write your answers, separate the answer sheet from the question book. After the test is over, put the answer sheet inside the question book and return it to the examiner.
5. On your answer sheet for each question there are FOUR choices (i.e. A,B,C,D). Fill the appropriate choice only with the **black marker**. You must not either overwrite or fill multiple choices.
6. There will be no negative marking.
7. You are not expected to complete the paper in the specified time but you must attempt as many questions as you can.
8. You can carry out your rough work anywhere in the question book.
9. Put your pens down as soon as you hear 'STOP WRITING' otherwise your paper may be cancelled.
10. **Mobile phones are strictly prohibited in the Examination Hall. Anyone found with a mobile phone inside the examination hall, his/her paper will be cancelled.**
11. Anyone found using unfair means, will be disqualified automatically.

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SAMPLE TEST

MScNUCLEAR MEDICINE / RADIATION AND MEDICAL ONCOLOGY

Q.1 Haemoptysis would be least likely to be present in

- (A) pulmonary hypertension
- (B) viral pneumonias
- (C) bronchial adenomas
- (D) bronchiectasis

Q.2 The electrocardiographic signs of pulmonary embolism include all of the following except

- (A) a deep ST segment
- (B) left axis deviation
- (C) depressed S-T in leads I and II
- (D) prominent Q3 and inversion of T3

Q.3 Sickle cell anemia is usually associated with all of the following except

- (A) small or normal sized spleen
- (B) shortened erythrocyte life span
- (C) normal reticulocyte count
- (D) hemoglobin S

Q.4 Visual impulse is associated with

- (A) dissociation of rhodopsin to retinal and opsin
- (B) the reduction of NADP
- (C) the hydrolysis of visual purple
- (D) none of the above

Q.5 Which of the following is a feature of Meckel's diverticulum

- (A) severe haemorrhage per rectum
- (B) arises from Carther's duct
- (C) rarely ulcerates
- (D) none of the above

Q.6 Acute myeloblasticleukemia (AML) is characterized by

- (A) peak incidence in childhood
- (B) high leukocyte alkaline phosphate
- (C) Philadelphia chromosome
- (D) Auer bodies in blast cells

Q.7 The major intracellular cat-ion is

- (A) potassium
- (B) sodium
- (C) magnesium
- (D) calcium

Q.8 The most sensitive technique for early diagnosis of gastric cancer is

- (A) barrium swallow and UGI studies
- (B) fiberoptic endoscopy
- (C) clinical history
- (D) sputum cytology

Q.9 Characteristics of hepatoma include all of the following EXCEPT

- (A) commonly metastasize
- (B) poor prognosis
- (C) predisposing cirrhosis
- (D) markedly elevated alkaline phosphate

Q.10 Respiratory distress, tachycardia, fever, and a non-productive cough occurring within 48 hours

after abdominal surgery in an obese male would most likely to due to

- (A) pneumonia
- (B) pulmonary infarction
- (C) myocardial infarction
- (D) None of the above

Q.11 Systemic lupus erythematosus occurs most commonly in

- (A) elderly women
- (B) young men
- (C) women of childbearing age
- (D) Children

Q.12 Acute glomerulonephritis may follow infection with

- (A) type 12 group B alpha-hemolytic streptococci
- (B) group A staphylococci
- (C) group A alpha-hemolytic streptococci
- (D) rickettsialpox

Q.13 The nephrotic syndrome is characterized by all of the following EXCEPT

- (A) oedema
- (B) proteinuria
- (C) hypoalbuminemia
- (D) hypertension

Q.14 The most sensitive assay for human growth hormone is

- (A) metapyrone test
- (B) a mouse bioassay
- (C) radioimmunoassay
- (D) urine 17-hydroxycorticosteroids

Q.15 In the human menstrual cycle, follicle-stimulating hormone can be raised to

- (A) cause ovulation
- (B) encourage progesterone secretion
- (C) inhibitestrogen secretion
- (D) encourage maturation of the follicle

Q.16

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Q.60

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The End