

ESP (Students of Medicine), Mid-term Exam: Part I

A. Vocabulary: Find the best choice which completes each sentence and then mark a, b, c, or d on the answer sheet.

1. Some Islamic surgeons considered the study of anatomy as a fundamental to surgery.

- a. screening b. transmission c. circumstance d. prerequisite

2. Some traditional methods of surgery ... true even today after about 1000 years.

- a. stand b. make c. leave d. hold

3. The tumor had to be ... surgically; or it might cause her premature death.

- a. excised b. cauterized c. stripped d. monitored

4. Islamic physicians introduced some methods of shoulder dislocation which are still common.

- a. implementing b. conquering c. reducing d. innovating

5. Many of the surgical instruments used by Islamic surgeons had been by themselves.

- a. distinguished b. devised c. splinted d. carved

6. Al-Rhazi's recommendation of wine as the best dressing for wounds was very popular in medieval

- a. conventions b. practices c. sessions d. presentations

7. For successful wound management, is essential.

- a. sustenance b. hemostasis c. homeostasis d. configuration

8. Based on the results of the tests and the X-rays, the physician what part of the patient's organ malfunctioned.

- a. deduced b. induced c. encoded d. decoded

9. Some epidemics which used to many parts of the world were considered the act of God.

- a. eradicate b. ravaged c. relieved d. decreed

10. All medical staff were recommended to avoid using instruments as they cause infection.

- a. decomposed b. synthetic c. contaminated d. sophisticated

11/12. Regarding the infection, people are advised to avoid any contact with the ...
11. otherwise, they will be susceptible to ... 12. ... the condition.

11. a. survivors b. discharged c. supervisors d. afflicted
12. a. contracting b. eliminating c. interacting d. elucidating

13/14. When homeostasis or ---13--- of the body which has both a physiologic and a psychological component is ---14---, the person becomes sick.

13. a. formation b. perception c. directory d. consistency

14. a. altered b. discharged c. stabilized d. manipulated

15. The microsurgery requires the surgeon's ----- much more than other types of surgery.

- a. precision b. obedience c. promotion d. independence

16. The care provider's good knowledge about each structure and physiologic function can prevent ----- and injury when taking care of the patient.

- a. disruption b. retraction c. licensure d. privilege

17. As the standards were not good enough, they were ----- to remove the drawbacks.

- a. fabricated b. amended c. established d. manufactured

18. There are some medical modalities in the western medicine which have their in Islamic medicine.

- a. originality b. originally c. originate d. origin

19. There are different which can affect one's health status; the most important is said to be one's lifestyle.

- a. variables b. varieties c. variations d. varies

20. His medical condition can be easily ; his problem is not serious.

- a. remedied b. remedial c. remedy d. remedies

21. One of the problems that most countries, particularly third world countries, are involved in is sexually diseases (STD).

- a. transmitting b. transmitted c. transmit d. transmission

22. A healthy diet and proper exercise help people to avoid failure.

- a. circulating b. circulation c. circulatory d. circulated

23. A "prospective study" is the study which -----.

- a. follows patients forward in time
b. shows the probable outcomes or expected results of a disease
c. looks back over past experience of patients
d. tries to suggest some interventions to prevent a disease

24. The plural form of "pleura" is -----.

- a. pleurax b. pleurae c. pleuras d. pleuraes

25. The plural form of "carcinoma" is -----.

- a. carcinomae b. carcinomas c. carcinomatas d. carcinomata

Each organ system of the body plays its specific role in homeostasis. For instance, the respiratory system controls both the oxygen and the carbon dioxide concentrations in the internal environment. The kidneys remove waste products from body fluids while also controlling the concentrations of the different ions. The digestive system provides the appropriate nutrients for the internal environment. The muscles and the skeleton provide support and locomotion for the body, so that it can seek out its needs, especially to provide the necessary food and drink for the internal environment. The nervous system innervates the muscles and also controls the functions of many of the internal organs and it functions in association with the respiratory system to control the concentrations of carbon dioxide and oxygen. The endocrine system controls most of the metabolic functions of the body, including the rates of cellular chemical reactions; the concentrations of glucose, fats, and amino acids in the body fluids; and the synthesis of new substances needed by the cells. Even the reproductive system subserves a role in homeostasis since it provides for new human beings and therefore new internal environments as the old ones age and die.

26. We understand from this paragraph that

a. some organ systems are more vital than others

b. homeostasis originates from interdependence of all organs

c. the organ systems mentioned here are the only ones necessary for body functioning

d. the role of the reproductive system is depreciated by the author

27. The nervous system and the reproductive system differ in that

a. the former malfunctions in the absence of the latter

b. the role of the latter is more vital

B. Fill in the blanks with the words in the following list. Write only the number of the blank space in the parentheses in front of the words.

(1) capture

(2) mechanisms

(3) proliferation

(5) followed

(2) fuse

(5) latter

(1) arises

(2) worn out

(3) regulated

(4) which

(2) which

(1) multiply

The dynamics of a cell can best be understood by examining the course of its life. A new cell ...1... when one cell divides or when two cells, like a sperm and an egg cell ...2... Either event sets off a cell-replication program that is encoded in the DNA and ...3... by proteins. This program usually involves a period of cell growth, during ...4... proteins are made and DNA is replicated, ...5... by cell division, when a cell divides into two daughter cells. Whether a given cell will grow and divide is a highly ...6... decision of the body, assuring that an adult organism replaces ...7... cells or makes more cells in response to a new need. Examples of the ...8... are the growth of muscle in response to exercise or damage, and the ...9... of red blood cells when a person ascends to a higher altitude and needs more capacity to ...10... oxygen. However, in one major and devastating disease- cancer- cells ...11... even though they are not needed by the body. To understand how cells become cancerous, biologists have intensely studied the ...12... that control the growth and division of cells.

not necessary

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