AGA KHAN UNIVERSITY EXAMINATION BOARD

SECONDARY SCHOOL CERTIFICATE

CLASS X EXAMINATION

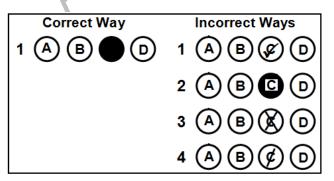
APRIL/ MAY 2017

General Science Paper I

Time: 40 minutes Marks: 30

INSTRUCTIONS

- 1. Read each question carefully.
- 2. Answer the questions on the separate answer sheet provided. DO NOT write your answers on the question paper.
- 3. There are 100 answer numbers on the answer sheet. Use answer numbers 1 to 30 only.
- 4. In each question there are four choices A, B, C, D. Choose ONE. On the answer grid black out the circle for your choice with a pencil as shown below.



- 5. If you want to change your answer, ERASE the first answer completely with a rubber, before blacking out a new circle.
- 6. DO NOT write anything in the answer grid. The computer only records what is in the circles.

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- Which of the following is an example of a balanced meal? 1.
 - A. Fish and prawns
 - B. Fruits and vegetables
 - C. Meat and vegetable rice
 - D. Chicken broast and chips
- 2. Meat and beans are rich sources of
 - A. proteins.
 - B. vitamins.
 - C. minerals.
 - D. carbohydrates.
- 3. Fruits and vegetables are rich sources of
 - A. fats and vitamins.
 - Β. minerals and vitamins.
 - С. carbohydrates and fats.
 - proteins and carbohydrates. D.
- The deficiency of vitamin D causes 4.
 - A. skin cancer.
 - Β. night blindness.
 - C. muscular and nervous disorders
- amination 201 D. weakening and deforming of bones.
- The potential benefit of daily exercise is that it enables one to 5.
 - lose extra weight. A.
 - gain ability to talk fast. B.
 - accumulate fats in the body. C.
 - slow down circulation of blood. D.
- Ahmed got a deep cut in his hand while repairing the washing machine at home. 6.

The immediate step to be taken by his family members is to

- A. provide him first aid.
- Β. call the nearest neighbours.
- give him vitamins rich food. C.
- D. report to the nearest police station.
- 7. Which of the following diseases is caused by bacteria?
 - A. AIDS
 - Β. Polio
 - C. Typhoid
 - Hepatitis D.

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8. Which of the following parts of a human body is the MOST infected by passive smoking?

- A. Liver
- B. Lungs
- C. Kidneys
- D. Stomach

9. White blood cells are produced inside the

- A. tissue fluid.
- B. spinal cord.
- C. bone marrow.
- D. cartilage tissue.

10. The drugs which relieve pain, promote sleep and cause addiction are called

- A. narcotics.
- B. sedatives.
- C. antibiotics.
- D. hallucinogens.
- 11. If a person who was hurt in a road accident develops an infection on his wound, he is likely to develop
 - A. tetanus.
 - B. diphtheria.
 - C. tuberculosis.
 - D. whooping cough.
- 12. Which of the following mainly contributes to the depletion of ozone layer?
 - A. Nitrous oxide
 - B. Sulphuric acid
 - C. Carbon dioxide
 - D. Chlorofluorocarbons
- 13. An individual moves to Karachi from a village of Sindh in order to avail a better job opportunity.

The given scenario depicts

- A. pollution.
- B. migration.
- C. population.
- D. urbanisation.

14. Pakistan is the world's 4th largest producer of

- A. apricot.
- B. oranges.
- C. mangoes.
- D. sugar cane.

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15. The fraction of petroleum which is used as a fuel for light vehicles such as motor bikes and passenger cars is

mination 201

- A. petrol.
- B. diesel.
- C. grease.
- D. kerosene oil.
- 16. Which of the following layers of the atmosphere contains the ozone layer?
 - A. Mesosphere
 - B. Stratosphere
 - C. Troposphere
 - D. Thermosphere
- 17. The hottest layer of the atmosphere is
 - A. mesosphere.
 - B. troposphere.
 - C. stratosphere.
 - D. thermosphere.
- 18. The depletion of the ozone layer causes
 - A. an increase in the global temperature.
 - B. the melting of ice caps at the polar regions.
 - C. a decrease in the amount of oxygen in the atmosphere.
 - D. a greater number of ultraviolet radiations to reach the Earth.
- 19. All of the following are products obtained by refining petroleum EXCEPT
 - A. peat.
 - B. grease.
 - C. dieasel.
 - D. kerosene oil.
- 20. A radio system receives signals through
 - A. sound waves.
 - B. electrical waves.
 - C. mechanical waves.
 - D. electromagnetic waves.
- 21. A semi-conductor diode is used in a
 - A. motor.
 - B. rectifier.
 - C. generator.
 - D. transformer.

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- 22. Which of the following devices uses magnetic material for the storage of data?
 - A. Hard drive
 - B. Flash drive
 - C. Compact disk
 - D. Digital versatile disk
- 23. All of the following radiations are emitted by a radioactive substance EXCEPT
 - A. alpha particles.
 - B. beta particles.
 - C. gamma rays.
 - D. ultraviolet rays.
- 24. When alpha particles enter into an electric field, they
 - A. bend towards the positive pole.
 - B. bend towards the negative pole.
 - C. move in a straight line without deviation.
 - D. bounce back in the same direction to the source.
- 25. Fractures in bones and teeth can be investigated by using
 - A. X-rays.
 - B. ultrasound.
 - C. electrocardiogram.
 - D. computerised tomography scan.
- 26. Which of the following is used to record any problem in the regularity of heartbeat?
 - A. Angiography
 - B. Electrocardiogram
 - C. Magnetic resonance imaging
 - D. Computerized tomography scan
- 27. The national organisation for space research, atmosphere and exploration of natural minerals in Pakistan is
 - A. ISRO.
 - B. RFSA.
 - C. NASA.
 - D. SUPARCO.
- 28. The first artificial satellite, Badr-I, was sent into space to
 - A. locate gold reservoirs.
 - B. enhance digital communication.
 - C. calculate the real land field area.
 - D. note the variation in temperature.

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- 29. Pakistan established many nuclear power plants to
 - A. purify sea water.
 - B. produce electricity.
 - C. make nuclear weapons.
 - D. diagnose genetic diseases.
- 30. The name of the first artificial satellite sent by United of Soviet Socialist Republics (USSR) into the space was ANULEB May Examination 201
 - A.
 - Β.
 - C.
 - D.

