

KPK PUBLIC SERVICE COMMISSION, PESHAWAR.

COMPETITIVE EXAMINATION FOR THE POSTS OF PROVINCIAL MANAGEMENT SERVICE (BPS-17) - 2011

GENERAL KNOWLEDGE(EVERY DAY SCIENCE)

Time allowed: 03 hours

Max: Marks: 100

Attempt any ten questions.

- Q-1. Write short notes on any two of the following: (05 marks each)**
(a) Solar system (b) Atomic Structure (c) Stars and Planets
- Q-2. Write briefly about any five of the following: (02 marks each)**
(a) ionosphere (b) stratosphere (c) cell
(d) vaccine (e) Chromosomes (f) FORTRAN
- Q-3. Describe (05 marks each)**
(a) Classification of Plants (b) Green house effect
- Q-4. Differentiate between (02 marks each)**
(a) Fission and fusion (b) Organic and Inorganic compounds (c) BIT and BYTE
(d) Exothermic and endothermic reactions (e) RAM and Rom
- Q-5 Briefly account for (02 marks each)**
(a) The weight of a body is less at equator than at the poles.
(b) Water is a good solvent.
(c) Green color in most of the plants.
(d) We always see only one side of the moon.
(e) We never see birds urinating.
- Q-6 Give a brief account of the following (05 marks each)**
(a) Human physiology (b) Renewable energy resources.
- Q-7 (a) What are similarities and differences between animals and plants? (05 marks)**
(b) Discuss in detail diversity in digestive structure in invertebrates (05 marks)
- Q-8 (a) How computers has affected our daily lives? Discuss positive and negative aspects separately. (05 marks)**
(b) What characteristics affect overall performance of a computer. Clearly mention the role of each (05 marks)
- Q-9. Elaborate the achievements of any two of the following scientists (02 marks each)**
(a) Al-Beruni (b) Mendal (c) Zakariya Al Razi
- Q-10. (a) Briefly describe the renewable resources of energy. (05 marks)**
(b) Discuss various types of satellites. (05 marks)
- Q-11. Encircle the correct choice (02x5 marks each)**
(i) The clock speed of a microcomputer is measured in:
(a) Hertz (b) Bytes (c) DPI (d) None of these
(ii) Which of the following is a non impact printer:
(a) Daisy Wheel (b) Dot Matrix (c) Ink Jet (d) None of these
(iii) Which is (are) true about Super Drive
(a) It is an open device (b) It can write DVD's (c) Both of these (d) None of these
(iv) Aspect ratio of the WIDE SCREEN monitor is:
(a) 4:3 (b) 16:9 (c) Either (a) or (b) (d) Neither (a) nor (b)
(v) The capacity of the hard disc is measured in:
(a) Bytes (b) Grams (c) Hertz (d) None of these
- Q-12. Discuss Einstein's two major contributions to the knowledge of Science. (10 marks)**
- Q-13. Write briefly on any FIVE of the followings (02 marks each)**
(a) Dengue Virus (b) Optical fiber (c) Ozon layer
(d) Fermentation (e) Centrifuge (f) Black Hole
- Q-14. (a) Describe angiosperm and gymnosperm plants. (05 marks)**
(b) What do you know about genetics (05 marks)
- Q-15. Write short notes on any two of the following (05 marks each)**
(a) Plasma (b) Laser (c) Antibiotics