Pakistan Science Foundation

Weightage of Final Paper	
English	20 %
Mathematics	20 %
Physics	20 %
Chemistry	20 %
Biology OR Computer	20 %

SAMPLE QUESTIONS

ENGLISH:-

1. He is going _____ school.
   A. to
   B. for
   C. in
   D. at

2. He is waiting for sara ____ morning.
   A. since
   B. for
   C. from
   D. of

3. I believe ____ GOD.
   A. In
   B. of
   C. to
   D. from

4. He has _____ letter to his uncle.
   A. sent
   B. send
   C. Both (a) and (b)
   D. None of the above

5. Synonym of opposite is _____
   A. Contrary
   B. beside
   C. along
   D. None of the above

Mathematics:-

6. Find the value of the function x3+2+5 at = 2
   - A. 15
   - B. 17
   - C. 18
   - D. 19
   - E. 20
7. If a = 3 b = -1 c = 2 which is true ?
   (I) a+b+c = 4 (II) 3a + 5b = 4 (III) 2c - 5a = 6
   - A. I only
   - B. II only
   - C. I and III
   - D. I and II
   - E. III only
8. (7x-49) / (x-7) = _____
   - A. x-7
   - B. x
   - C. 7
   - D. 7x
   - E. 49
9. 4x2 + 16x + 36 is equivalent to?
   - A. 4(x2+4x+4)
   - B. 4(x+4) (x+4)
   - C. 4x (x+4+9)
   - D. 4 (x2+4x+9)
   - E. 4 (x2+6x+9)
10. If 9/a = 7/a2 then a = ?
    - A. 7 ? 9
    - B. 9 ? 7
    - C. 7
    - D. 9
    - E. 63

PHYSICS:-

11. Which one is not a branch of physical sciences?
    - A. chemistry
    - B. astronomy
    - C. geology
    - D. biology
12. The number of categories in which physical quantities are divided are
    - A. one
    - B. two

C. three
D. four

13. How many types of units are in SI?
    A. one
    B. two
    C. three
    D. four

14. Weight = _____.
    A. mass x gravity
    B. mass + gravity
    C. mass / gravity
    D. mass - gravity

15. The error in measurement may occur due to_____
    A. inexperience of a person
    B. the faulty apparantus
    C. inappropriate method
    D. due to all reasons in a, b and c

Chemistry:-

16. Diameter of an atom is in the order of _____
    A. 0.2m
    B. 0.2mm
    C. 0.2nm
    D. 0.2pm

17. Which is not a type of elements?
    A. Metals
    B. Metalloids
    C. Non-Metals
    D. Gases

18. Molecular ions are formed by passing _____
    A. High energy electron beam
    B. Y - particle
    C. X-rays
    D. All of the above

19. The number of peaks obtained in mass spectrometry shows _____
    A. Relative abundance
    B. Average mass of element
    C. Number of isotopes
    D. Relative isotopic mass

20. Which one is true about isotope?
    A. Same number of neutrons
    B. Same mass number
    C. Same physical properties
    D. Same chemical properties

Biology:-

21. The study of fossils is called_____
    A. Environmental Biology
    B. Historical biology
    C. Palaeontology
    D. Social biology

22. Sythetic insulin from pork was formed by which technique_____
    A. Parasitology
    B. Social biological techniques
    C. Biotechnology
    D. Both a and c
23. The branch of biology which deals with the study of social behavior and communal life of human beings living in any environment is called _____
    A. Environmental biology
    B. Social biology
    C. Human biology
    D. Both b and c
24. Oxygen accounts for ____ of total human body mass:
    A. 65%
    B. 18%
    C. 10%
    D. 3%
25. Which one is a micromolecule?
    A. Polysaccharide
    B. Protein
    C. Hemoglobin
    D. ATP

OR

Computer:-

26. WWW stands for ?
    A. World Whole Web
    B. Wide World Web
    C. Web World Wide
    D. World Wide Web

27. Which of the following are components of Central Processing Unit (CPU) ?
    A. Arithmetic logic unit, Mouse
    B. Arithmetic logic unit, Control unit
    C. Arithmetic logic unit, Integrated Circuits
    D. Control Unit, Monitor
28. Which among following first generation of computers had ?
    A. Vaccum Tubes and Magnetic Drum
    B. Integrated Circuits
    C. Magnetic Tape and Transistors
    D. All of above
29. Where is RAM located ?
    A. Expansion Board
    B. External Drive
    C. Mother Board
    D. All of above

30. If a computer has more than one processor then it is known as ?
    A. Uniprocess
    B. Multiprocessor
    C. Multithreaded
    D. Multiprogramming

Note: Urdu version of final paper would also be provided. (Except English Portion)