



UAF OFFICIAL HELP PORTAL

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MORNING SESSION

Stream 1: **Eng. Phys. Chem. Biol**



University of Agriculture, Faisalabad

Entry test for Admission to the First Degree Programs

July 23, 2017 at 10:00 a.m.

Maximum Marks: 100

Time: 90 minutes

IMPORTANT INSTRUCTIONS FOR THE CANDIDATES

The candidates are given the question paper sheets of their chosen subjects stream along with an answer sheet (bubble sheet) carrying 100 bubbles in four groups i.e., 25 bubbles (squares) for each subject. They are required to **DARK SHADE the correct choice CAREFULLY within the boundary of bubble**. Calculator can be used but **MUST NOT** be shared with others. A candidate can leave the test hall after half time.

Please DO NOT DETACH the Bubble Sheet from the Question Paper

ENGLISH

Choose the correct answers to the words in underlined CAPITAL letters.

- Q. 1. The children stared at the deep dome of Martin's sky, here STARE means
(A) Yelled (B) Gazed (C) Looked (D) Pointed to.
- Q. 2. I had a very bad dream last night, here DREAM means
(A) Felt (B) Told (C) Disturbed (D) Shook
- Q. 3. The first man rebuffed the second man, here DISCARDED means
(A) Destroyed (B) Interrupted (C) Gave (D) Rejected
- Q. 4. Barry fiddled as he listens the broadcast of his father, here FIDDLE means
(A) Fiddles (B) Stammers (C) Enjoys (D) Sits down
- Q. 5. We have no time to stand and stare, here STARE means
(A) Sense (B) Wait (C) Gaze (D) See
- Q. 6. A flash of lightning illuminated the door, here ILLUMINATED means
(A) Rained (B) Lit up (C) Darkened (D) Struck
- Q. 7. This visit was all rather impromptu, here IMPROMPTU means
(A) Strategic (B) Planned (C) Short (D) Unplanned
- Q. 8. Let us not wallow in the valley of despair, here DESPAIR means
(A) Swat (B) Joy (C) Hopelessness (D) Oats
- Q. 9. The girl is stunned. She looks to the first man; here STUNNED means
(A) Astonished (B) Angry (C) Distressed (D) Crazy
- Q. 10. He passed with the same elegance, here ELEGANCE means
(A) Grace (B) Gait (C) Reflect (D) Walk
- Q. 11. Why did the old man pursue the squirrels? here PURSUED means
(A) Sell (B) Follow (C) Pet (D) Cook for a meal

Pick the correct option from the given choices to fill in the blanks

- Q. 12. The teacher was displeased _____ me.
(A) On (B) For (C) At (D) With.
- Q. 13. Now-a-days Mr. Nazir _____ us English.
(A) Teach (B) Teaching (C) Taught (D) Is teaching.

MORNING SESSION**Stream I: Eng, Phys, Chem, Biol**

- Q. 14. He _____ to Karachi tomorrow morning.
(A) Goes (B) Is going (C) Will go (D) Went
- Q. 15. Hundreds of year ago people _____ in signs of good or bad luck.
(A) Believed (B) Had been believing (C) Believe (D) Would believe
- Q. 16. If we _____ at their place, we would go on a picnic.
(A) Had (B) Were (C) Would be (D) Will be
- Q. 17. We should not brag _____ our deeds.
(A) For (B) After (C) Of (D) Off
- Q. 18. One should be earnest _____ one's dealings.
(A) At (B) For (C) In (D) With
- Q. 19. I wish, I _____ a king.
(A) Am (B) Was (C) Were (D) Will be
- Q. 20. He was accused _____ theft.
(A) With (B) Of (C) By (D) From
- Q. 21. If you had helped him, he _____.
(A) Had passed (B) Would have passed (C) Would pass (D) Passed
- Q. 22. Walk fast lest you _____ the train.
(A) Miss (B) May miss (C) Might miss (D) Should miss
- Q. 23. They always _____ back home late.
(A) Come (B) Has been come (C) Are coming (D) Came
- Q. 24. If he worked hard, he _____ the examination.
(A) Will pass (B) Can pass (C) Would have passed (D) Would pass
- Q. 25. Our clean environment _____ our clean habits and thoughts.
(A) Reflect (B) Reflects (C) Was reflecting (D) Is reflecting

PHYSICS

- Q. 26. One tera is equal to:
(A) 10^{12} (B) 10^9 (C) 10^{11} (D) 10^{13}
- Q. 27. The value of constant ' γ ' for diatomic gas is:
(A) 1.67 (B) 1.29 (C) 1.45 (D) 1.40
- Q. 28. The commercial unit of electric energy is:
(A) Kilowatt-hour (B) Watt (C) Watt-hour (D) Kilowatt
- Q. 29. International Telecommunication Satellite organization operates at microwave frequencies of:
(A) 4, 6, 8 and 10 Hz (B) 4, 6, 11 and 14 GHz (C) 4, 6, 8 and 12 Hz (D) 4, 8, 11 and 16 GHz
- Q. 30. The lower reading of blood pressure is called:
(A) Systolic pressure (B) Diastolic pressure (C) Normal pressure (D) Non-normal pressure
- Q. 31. An example of base quantity is:
(A) Area (B) Volume (C) Length (D) Velocity
- Q. 32. Horizontal range is maximum when the angle of projection is:
(A) 30° (B) 45° (C) 15° (D) 0°
- Q. 33. The waves associated with particles in motion are called:
(A) Light waves (B) Sound waves (C) Matter waves (D) Both A and B

MORNING SESSION**Stream 1: Eng, Phys, Chem, Biol**

- Q. 34. Which is the average translational kinetic energy of molecules in a gas at temperature 27°C ?
(A) $6.21 \times 10^{-21} \text{ J}$ (B) $6.21 \times 10^{-20} \text{ J}$ (C) $6.21 \times 10^{-22} \text{ J}$ (D) $6.21 \times 10^{-23} \text{ J}$
- Q. 35. Types of waves used in "Sonar" are:
(A) Sound waves (B) Matter waves (C) Water waves (D) Electromagnetic waves
- Q. 36. The working carburetor of a car uses:
(A) Equation of continuity (B) Gravitational law (C) Bernoulli's theorem (D) Stoke's theorem
- Q. 37. The periodic increase and decrease in loudness of sound is called:
(A) Resonance (B) Interference (C) Beats (D) Polarization
- Q. 38. One complete round trip of a vibrating body is called:
(A) Frequency (B) Time period (C) Vibration (D) Amplitude
- Q. 39. The value of solar constant is:
(A) 1.4 kw m^{-2} (B) 1.0 kw m^{-2} (C) 4.1 kw m^{-2} (D) 0.1 kw m^{-2}
- Q. 40. The pitch of sound depends upon:
(A) Intensity of sound (B) Loudness of sound (C) Wavelength of sound (D) Frequency of sound
- Q. 41. Multimode step index fibre is useful for:
(A) Long distance (B) Short distance (C) Very long distance (D) Infinite distance
- Q. 42. The curve representing an adiabatic process is called:
(A) An adiabatic (B) An isotherm (C) Both of these (D) None of these
- Q. 43. The Davison and Germer experiment indicates:
(A) Interference (B) Polarization (C) Electron diffraction (D) Refraction
- Q. 44. To measure the current in a circuit ammeter is always connected in:
(A) Parallel (B) Series (C) Alternatively (D) None of these
- Q. 45. SI unit of impedance is:
(A) Henry (B) Hertz (C) Ampere (D) Ohm
- Q. 46. Sieman is the SI unit of:
(A) Resistivity (B) Resistance (C) Conductivity (D) Conductance
- Q. 47. The rest mass of x-ray photon is:
(A) $9.1 \times 10^{-31} \text{ kg}$ (B) $1.67 \times 10^{-27} \text{ kg}$ (C) Zero (D) None of these
- Q. 48. When a silicon crystal is doped with a pentavalent element, it becomes:
(A) p-type semiconductor (B) n-type semiconductor
(C) Intrinsic semiconductor (D) Extrinsic semiconductor
- Q. 49. Neutron was discovered in 1932 by:
(A) Bohr (B) Chadwick (C) Dirac (D) Fermi
- Q. 50. Shunt resistor is called:
(A) By pass resistor (B) Specific resistance (C) Reactance (D) Impedance

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MORNING SESSION**Stream 1: Eng, Phys, Chem, Biol**

- Q. 71. Quantum number values for 2p orbital's are
(A) $n=2, l=1$ (B) $n=1, l=2$ (C) $n=1, l=0$ (D) $n=2, l=0$
- Q. 72. If a strip of Cu metal is placed in solution of FeSO_4
(A) Cu will be deposited (B) Fe is precipitated out
(C) Cu & Fe both dissolve (D) No reaction takes place
- Q. 73. Number of bonds in N_2 molecule
(A) $\sigma + 1\pi$ (B) $2\sigma + 1\pi$ (C) $1\sigma + 1\pi$ (D) $1\sigma + 1\pi$
- Q. 74. Lyman series lies in
(A) U.V. region (B) Visible region (C) I.R. region (D) Microwave region
- Q. 75. The reaction is spontaneous if the cell potential is
(A) Positive (B) zero (C) Negative (D) Infinite

BIOLOGY

- Q. 76. Desert ecosystem of Jharkhand and Mizoram is called:
(A) Thar (B) Chollistan (C) Thal (D) Rohi
- Q. 77. Each mesophyll cell of leaf has chloroplasts about
(A) 10-20 (B) 20-100 (C) 120-150 (D) 250-170
- Q. 78. A rye plant less than one meter tall has branch roots about:
(A) 12 million (B) 14 million (C) 16 million (D) 18 million
- Q. 79. Ecological role of fungi as decomposers is parallel only by:
(A) Arthropoda (B) Bacteria (C) Algae (D) Mushroom
- Q. 80. In plants, the most abundant carbohydrate is:
(A) Starch (B) Cellulose (C) Glycogen (D) Agar
- Q. 81. *Entamoeba histolytica* caused amoebic:
(A) Cholera (B) Fever (C) Dysentery (D) Migraine
- Q. 82. Diffused type of nervous system is present in:
(A) Planaria (B) Hydra (C) Earthworms (D) Man
- Q. 83. Evolutionary history of Protista shows the diversity in their
(A) Size and structure (B) Means of locomotion (C) Mode of reproduction (D) All of these
- Q. 84. Aquatic arthropods respire through:
(A) Lungs (B) Skin (C) Gills (D) Spiracles
- Q. 85. Example of soil dwelling carnivorous fungus is:
(A) *Arthrobotrys* (B) *Armillaria* (C) *Pleurotus* (D) *Penicillium*
- Q. 86. Breakdown of alveoli of lungs is called:
(A) Asthma (B) Tuberculosis (C) Emphysema (D) Lung cancer
- Q. 87. Family of wheat is:
(A) Fabaceae (B) Solanaceae (C) Rosaceae (D) Poaceae
- Q. 88. Germ theory of disease was formulated by:
(A) Robert Brown (B) Robert Koch
(C) Robert Hooke (D) Antonie Van Leeuwenhoek
- Q. 89. Family of sweet pea is:

MOORNING ESSION

Stream 1: Eng, Phys, Chem, Bio

(A) Pabiosax

(B) Pabiosax

(C) Pabiosax

(D) Pabiosax

Q. 90. Glycosidic linkage provides stability to the chemical structure of the molecule of

(A) C

(B) C

(C) C

(D) C

Q. 91. Hepatic and pancreatic secretions are stimulated by a hormone called

(A) Gastrin

(B) Secretin

(C) Pepsin

(D) Peristaltic

Q. 92. Magnesium in chlorophyll is replaced by calcium in

(A) Chlorine

(B) Chlorine

(C) Chlorine

(D) Chlorophyll

Q. 93. Human blood has 22% water in each of

(A) Brain

(B) Bone

(C) Blood

(D) Liver

Q. 94. Identify the dry coastal plant

(A) Cactaceae

(B) Leguminosae

(C) Fabaceae

(D) Convolvulaceae

Q. 95. If bile pigments are present in feces, it is caused by a condition called

(A) Piles

(B) Cholestasis

(C) Jaundice

(D) None

Q. 96. Cytosol and structural proteins are composed of

(A) Mitochondria

(B) Mitochondria

(C) Mitochondria (D) Cytoplasm

Q. 97. If non-protein part is loosely attached to protein part of enzyme, it is known as

(A) Co-factor

(B) Prosthetic group

(C) Co-enzyme

(D) Apo-enzyme

Q. 98. Carbon is

(A) Bivalent

(B) Trivalent

(C) Divalent

(D) Tetravalent

Q. 99. In cities, particularly the exhaust from auto vehicles is continuously adding into the atmosphere.

(A) Chromium

(B) Nitrogen

(C) Cyanide

(D) Lead

Q. 100. Mendel did experiments on the genetics of the plant

(A) *Daucus carota*

(B) *Zea mays*

(C) *Plum sativum*

(D) None of these