رِزْقاً حَسَناً

زرعی یونیورسٹی فیصل آباد

UAF OFFICIAL HELP PORTAL

Admin: Abdullah Chaudhary

Be a part of our Whats app Group and stay Updated about all important information related to UAF including Scholarships, Internships, Jobs & all other events of UAF. Making possible every important Update to you with in seconds.

Our Mission is to guide knowledge seeking minds free of cost.

If you want to receive every important update then leave a text to +923038422026 and be our part.

University of Agriculture, Faisalabad
Entry test for Admission to the First Degree Programs
August 7, 2016 at 11:00 a.m.

| Time: 90 minutes | Maximum Marks: 100 |

IMPORTANT INSTRUCTIONS FOR THE CANDIDATES

The candidates are given the question paper sheets of their chosen subjects combination 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

Please DO NOT DETACH the Bubble Sheet from the Question Paper

ENGLISH

Choose the correct answers to the UNDERLINED words

Q. 1. Miss McCutcheon wanted to quit and go back home
    A. Earn money   B. Give up
    C. Teach   D. Be quite

Q. 2. I met a traveler from an antique land
    A. Unique   B. Ancient
    C. Part time Professor   D. Visiting Meritorious Professor

Q. 3. He had seen, perhaps, too deeply engrossed in himself,
    A. Absorbed   B. Busy
    C. Interested   D. Annoyed

Q. 4. You have staggered by the winds of police brutality.
    A. Cruelty   B. Damage
    C. Investigation   D. Trial

Q. 5. The children with their yellow hair screamed at the deep dome of Martian sky.
    A. Yelled   B. Cried
    C. Looked   D. Pointed to

Q. 6. I had a vexing dream one night.
    A. Fading   B. Happy
    C. Disturbing   D. Thrilling

Q. 7. The form was singing with the clamor of the distinction
    A. Sound   B. Music
    C. Noise   D. Melody

Q. 8. He bragged again
    A. Slept   B. Pleased
    C. Wept   D. Cried

Q. 9. Ellen fiddles as she is given assignment
    A. Cheats
    C. Fades   B. Rejoices
                     D. Rejects

Q. 10. It is pity to see student undergoing the transfusion of blood.
    A. Transfer of blood
                     B. Impurity of blood
    C. Thickness of blood
                     D. Bleeding of blood

Q. 11. I began to <u>indolently</u> study disease generally.
A. Lazily   B. Gladly
C. Quickly   D. Indifferently

Q. 12. Her voice sounded in my ears like a summons to <u>damnation</u>.
A. Purgation   B. Purification
C. Justification   D. Condemnation

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

Q. 13. He _____ his breakfast at 9-o-Clock
A. Had   B. Would have
C. Was having   D. Has had

Q. 14. I hope they _____ the city before I reach there
A. Will not have left   B. Could not leave
C. Will not be left   D. Might not leave

Q. 15. I _____ him for many years
A. Helps   B. Helping
C. Have been helping   D. Help

Q. 16. He _____ to college daily in time
A. Go   B. Goes
C. Going   D. Gone

Q. 17. They _____ him two days ago
A. Bury   B. Buried
C. Will bury   D. Had buried

Q. 18. You cannot go out because it _____ very hard.
A. Rains   B. Has rained
C. Is raining   D. Rained

Q. 19. I was reading a novel when they _____ to see me.
A. Were coming   B. Came
C. Come   D. Had come

Q. 20. They always _____ back home late
A. Come   B. Has been come
C. Are coming   D. Came

Q. 21. If he worked hard, he _____ the examination
A. Will pass   B. Can pass
C. Would have passed   D. Would pass

Q. 22. Our clean environment _____ our clean habits and thoughts
A. Reflect   B. Reflects
C. Was reflecting   D. Is reflecting

Q. 23. They parted company _____ each other.
A. With   B. From
C. By   D. For

Q. 24. We should not brag _____ our deeds.
A. For   B. After
C. Of   D. Off

Q. 25. You are justified _____ claiming for your rights.
A. Up   B. After
C. In   D. With

PHYSICS

Q. 26. Which is optical instrument?
A. Telescope
B. Galvanometer
C. Ammeter
D. Avometer

Q. 27. The theory of wave nature of light was proposed by:
A. Thomas young
B. Huygen
C. Marwell
D. Fresnel

Q. 28. With the rise of temperature, the velocity of sound:
A. Decreases
B. Increases
C. Remains constant
D. Becomes zero

Q. 29. The rotational kinetic energy of a hoop of radius "r" is given by:
A. $\frac{1}{4} mr^2 w^2$
B. $\frac{1}{2} r^2 w^2$
C. $mr^2 w^2$
D. $\frac{1}{2} mr^2 w^2$

Q. 30. The angular acceleration is produced by:
A. Momentum
B. Pressure
C. Torque
D. Power

Q. 31. Motion of projectile is _____ dimensional.
A. Two
B. Three
C. Four
D. None of these

Q. 32. The value of triple point of water is given by:
A. 373.16k
B. 285.16k
C. 273.16k
D. 300.16k

Q. 33. The resolving power of a lens is expressed by a relation?
A. $\alpha\ min = 1.22 \frac{D}{\lambda}$
B. $\alpha\ min = 1.22 \frac{\lambda}{D}$
C. $\alpha\ min = 1.22 \lambda D$
D. $\alpha\ min = 1.52 \frac{\lambda}{D}$

Q. 34. Angular frequency is basically a characteristics of:
A. Circular motion
B. Linear motion
C. Vibratory motion
D. Elliptical motion

Q. 35. If mass of a moving object is doubled, its K.E. becomes:
A. 2 times
B. 4 times
C. 8 times
D. 16 times

Q. 36. Which is the average translational kinetic energy of molecules in a gas at temperature 27°C?
A. 6.21×10^{-21}
B. 6.21×10^{-26}
C. 6.21×10^{-21}
D. 6.21×10^{26}

Q. 37. Types of waves used in "Sonar" are:
A. Electromagnetic waves
B. Matter waves
C. Water waves
D. Sound waves

Q. 38. The working carburetor of a car uses:
A. Equation of continuity
B. Gravitational law
C. Bernoulli's theorem
D. Stoke's theorem

Q. 39. The weight of a man in an elevator descending with an acceleration of 4.9ms-2 will become:
A. Twice
B. Half
C. Zero
D. Unchanged

Q. 40. Which one is a vector?
A. Length
B. Volume
C. Velocity
D. Work

Q. 41. Absolute uncertainty in a measuring instrument is equal to:
A. Least count of the instrument
C. Accuracy
B. Fractional uncertainty
D. Percentage uncertainty

Q. 42. 100 radians are equal to:
A. 57.3°
C. 5730°
B. 573°
D. 5.73°

Q. 43. 73.650 rounded of up to one decimal is:
A. 73.6
C. 74
B. 73.7
D. 73.65

Q. 44. The range of the projectile is maximum when it is projected at an angle of:
A. 20°
C. 45°
B. 30°
D. 60°

Q. 45. The area under the velocity time graph gives:
A. Force
C. Distance
B. Acceleration
D. Torque

Q. 46. A body will be in translational equilibrium if:
A. $\sum \vec{T} = 0$
C. $\sum \vec{P} = 0$
B. $\sum \vec{F} = 0$
D. $\sum F_x = 0$

Q. 47. The dot product of a vector with itself is equal to:
A. Zero
C. 2A
B. A
D. A^2

Q. 48. The angular momentum $\vec{L}$ is given by:
A. $m\vec{\omega}$
C. $\vec{r} \times \vec{f}$
B. $\vec{\omega} \times \vec{f}$
D. $\vec{r} \times \vec{p}$

Q. 49. The dimensions of kinetic energy are:
A. ML^2T^2
C. ML^2T^1
B. ML^2T^2
D. $\frac{1}{2}ML^2T^2$

Q. 50. An alternate unit to kg ms⁻¹ is:
A. Js
C. Nm
B. Ns
D. N

CHEMISTRY

Q. 51. The chemical analysis in which all the elements present in a compound identified is called:
A. Quantitative analysis
C. Gravimetric analysis
B. Qualitative analysis
D. None of these

Q. 52. Octet rule is not obeyed by during its formation
A. NF_3
C. PCl_3
B. CF_4
D. CCl_4

Q. 53. Standard enthalpy change is measured at
A. 298°K
C. 273°K
B. 273°C
D. 373°K

Q. 54. The pH of mixture of CH_3COONa and CH_3COOH is:
A. 7
C. <7
B. >7
D. 1

Q. 55. Isotopes differ in number of
A. Electron
C. Proton
B. Neutron
D. Proton number

Q. 56. Density of an ideal gas can be calculated by the formula
A. $d = nRT$
B. $d = \frac{PM}{RT}$
C. $d = \frac{m}{M}RT$
D. $d = \frac{PV}{M}$

Q. 57. Stronger the oxidizing agent, greater is the
A. Oxidation potential
B. Redox potential
C. Reduction potential
D. E.M.F. of cell

Q. 58. Empirical formula of Glucose is
A. C_2HO
B. CH_2O
C. CHO_2
D. C_2H_2O

Q. 59. Oxidation No. of oxygen is OF_2 is
A. Zero
B. $-\frac{1}{2}$
C. +2
D. -1

Q. 60. The unit of rate constant for zero order reaction is:
A. $dm^3 S^{-1}$
B. mole $dm^{-3} S^{-1}$
C. $dm^3 mole^{-1} S^{-1}$
D. mole S^{-1}

Q. 61. The reaction $2KMnO_4 + Cl_2 \rightarrow 2KMnO_4 + 2KCl$ is:
A. Chlorination of $KMnO_4$
B. Neutralization reaction
C. Oxidation reduction reaction
D. Neither oxidation nor reduction

Q. 62. The existence of an element in more than one crystalline forms is known as
A. Isotropy
B. Anisotropy
C. Entropy
D. Allotropy

Q. 63. Sucrose is converted into glucose and fructose by enzyme catalyst called
A. Invertase
B. Maltase
C. Urease
D. Zymase

Q. 64. Amount of NaOH required to prepare 250 cm^3 of 1 M solution is
A. 10 g
B. 6 g
C. 2 g
D. 4 g

Q. 65. Percentage of N_2 in NH_3 is
A. $\frac{14}{17} \times 100$
B. $\frac{14}{14} \times 100$
C. $\frac{3}{17} \times 100$
D. $\frac{3}{34} \times 100$

Q. 66. Which equation correctly represents the Heisenberg's uncertainty principle?
A. $\Delta x \Delta P \approx \frac{h}{4\pi}$
B. $\Delta x \Delta P > \frac{h}{4\pi}$
C. $\Delta x \Delta P \geq \frac{h}{4\pi}$
D. $\Delta x \Delta P \leq \frac{h}{4\pi}$

Q. 67. The drying agent used in a desiccators is
A. Lithium Chloride
B. Sodium Chloride
C. Potassium Chloride
D. Calcium Chloride

Q. 68. Which one of the following is not an isomorphs pair?
A. $NaCO_3$, $CaCO_3$
B. NaF, MgO
C. K_2SO_4, $K_2Cr_2O_7$
D. Zn, Cd

Q. 69. Molarity of pure water is
A. 1
B. 18
C. 55.5
D. 6

Q. 70. Iodine dissolves in water in the presence of KI due to formation of which of the following species?
A. I_2
B. I^-
C. I_3^-
D. I_4

Q. 71. The Scientist Chadwick in 1932 discovered
A. Proton
C. Electron
B. Neutron
D. Positron

Q. 72. Orbitals having same energy are called
A. Hybrid orbitals
C. Degenerate Orbitals
B. Valance Orbitals
D. d-orbitals

Q. 73. Cathode in NICAD cell is:
A. Ag_2O
C. Cd
B. NiO_2
D. Zn

Q. 74. As the reaction proceeds, the rate of reaction
A. Increases
C. Remains constant
B. Decreases
D. May increase or decrease

Q. 75. One Calorie is equivalent to
A. 0.4184 J
C. 4.184 J
B. 41.84 J
D. 418.4 J

BIOLOGY

Q. 76. The total transpiration takes place through cuticle is:
A. 5 – 7 %
C. 5 – 8 %
B. 1 – 7 %
D. 2 – 5 %

Q. 77. The covalent bond between two monosaccharide is called:
A. Glycosidic bond
C. Ester bond
B. Peptide bond
D. Hydrogen bond

Q. 78. Parasitic fungi directly absorb the nutrient form the living host cytoplasm by:
A. Haustoria
C. Rhizoids
B. Roots
D. Gametangia

Q. 79. Human tissues have 85% water in cells of:
A. Liver
C. Blood
B. Bone
D. Brain

Q. 80. The Calvin cycle is also known as:
A. C_3 pathway
C. C_5 pathway
B. C_4 pathway
D. C_3 pathway

Q. 81. The force of attraction among water molecules is:
A. Adhesion
C. Tensile
B. Cohesion
D. Imbibitions

Q. 82. Carbon is:
A. Bivalent
C. Covalent
B. Trivalent
D. Tetravalent

Q. 83. Botanical name for potato is:
A. Solanum melangena
C. Solanum tubersum
B. Cassia fistula
D. Zea mays

Q. 84. Ecological role of fungi as decomposers is parallel only by:
A. Anthropoda
C. Algae
B. Bacteria
D. Mushroom

Q. 85. The study of distribution of animals is nature is called:
A. Wild life
B. Geography

Q. 86. Resolution of a typical compound microscope is:
A. 1.0 μm   B. 2.0 μm
C. 0.1 μm   D. 3.0 μm

Q. 87. In the protostomes, the blastopore forms the:
A. Mouth   B. Brain
C. Anus   D. Excretory pore

Q. 88. Family of sweat pea is:
A. Fabaceae   B. Solanaceae
C. Rosaceae   D. Poaceae

Q. 89. Algae which take part in building coral reefs along with coral animals are:
A. Red algae   B. Brown algae
C. Green algae   D. Diatoms

Q. 90. The term lodicules refers to:
A. Bract   B. Bracteoles
C. Perianth   D. Calyx

Q. 91. Who proved that micro-organisms could cause disease?
A. Louis Pasteur   B. A.V. Leeuwenhock
C. Robert Kock   D. Robert Hooke

Q. 92. The intestinal parasite causes amoebic dysentery in humans is:
A. Trichonymphas   B. Pelomyxapelustris
C. Entamoeba histolytica   D. Apocomplexans

Q. 93. Circinate venation refers to:
A. Leaf venation   B. Leaf arrangement of the stem
C. Development pattern of leaf   D. Fertilization process

Q. 94. The cleavage in which the lines or planes of cleavage are asymmetrical between poles is:
A. Radial and determinate   B. Spiral and determinate
C. Radial and intermediate   D. Spiral and pre-determinate

Q. 95. Instrument used to measure relative abilities of pigments to absorb different wavelengths of light is:
A. Thermometer   B. Spectro-photometer
C. Photometer   D. Sphagmomanometer

Q. 96. Non-protein part of an enzyme is called:
A. Co-factor   B. Activator
C. Prosthetic group   D. Vitamins

Q. 97. The cellular respiration is directly involved in the production of:
A. Glucose   B. Protein
C. Energy   D. Amino acids

Q. 98. When oxygen tension is 115 mm of mercury then haemoglobin saturation is:
A. 100%   B. 98%
C. 78%   D. 68%

Q. 99. The presence of nucleus in the cell was reported by:
A. Lorenz Oken   B. Theorder Schwann
C. Schleiden   D. Robert Brown

Q. 100. Break down of alveoli of lungs is called:
A. Asthma   B. Tuberculosis
C. Emphysema   D. Lungs cancer