

**Question Bank**  
**ATKT EXAMINATION 2019-20**

**VI CBCS**

**Pharm. Analysis - II**

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1	Which type of vibration bond angle is decrease ? A symmetrical B. Asymmetrical C. Rocking D. Scissoring
2	Which type of solutions give good fluorescence ? A. Diluted B. Concentrated C. Acidic D. Basic
3	Which type of filter paper are mostly used in paper chromatography? A. Butter paper B. Sample paper C. Whatmann filter paper D. Filter paper
4	Which sentence is false about UV SPECTROSCOPY ? A. Benzene is not used as solvent. B. Low temperature is give better result in uv SPECTROSCOPY. C. Chloroform is used as solvent in UV. D. UV ray wavelength is 200- 400 nm
5	Which molecules is decrease fluorescence ? A. Oxygen B. Hydrogen C. Nitrogen D. Carbon
6	Which material are used to prepare rod of global source ? A. Silicon dioxide B. Silicon carbide C. Silicon oxide D. Silicon carboxamide
7	Which material are used to made sample cell in UV-spectroscopy? A. Silver B. Silicon C. Quartz D. Aluminium

8	Which is principal of the IR spectroscopy ? A. Absorption B. Emissions C. Adsorption D. Scattering
9	Which is <u>not</u> use of IR spectroscopy ? A. Functional group B. Structure identify C. Polymer analysis D. Metal detecting
10	Which factor is responsible for the separation of the components in descending paper chromatography? A. Partition B. Adsorption C. Gravity D. Electronegativity
11	Which factor does <u>not</u> affect in stationary phases in paper chromatography ? A. Thickness B. Flow rate C. Purity D. Molecular weight
12	Which device is used to isolate the radiation of the desired wavelength from wavelength of the continuous spectra ? A. Monochromator B. Radiation source C. Recorder D. Collimating Systems
13	Which device is used to convert light energy into electrical signal ? A. Amplifier B. Detector C. Sample cell D. Slit
14	Which detector are detected IR radiation by potential different ? A. Thermocouple B. Bolometers C. Thermistor D. Potentiometer
15	Which compound are used as diluent in IR sampling ? A. Potassium Bromide B. Ethanol C. Benzaldehyde D. Acetone
16	When there are to complex mixture are separated which development technique of Thin Layer Chromatography is used ? A. Ascending B. Two dimensional C. Descending D. Horizontal

17	<p>When there are to complex mixture are separated which development technique of paper Chromatography is used ?</p> <p>A. Ascending B. Descending C. Radiation D. Two dimensional</p>
18	<p>When absorption intensity of compound is decreased it is called</p> <p>A. Red shift B. Blue shift C. Hypochromic shift D. Hyperchromic shift</p>
19	<p>What is the separation principle of the paper chromatography ?</p> <p>A. Partition B. Adsorption C. Capillary action D. Ionization</p>
20	<p>What is role of slit in uv-visible spectroscopy ?</p> <p>A. Monochromatic radiation to polychromatic radiation. B. Polychromatic radiation to monochromatic radiation. C. Producing narrow radiation beam D. Blocking optical path</p>
21	<p>Static Quenching is due to</p> <p>A. Neutral reaction B. Hydrogenated C. Complex formation D. Ionization</p>
22	<p>Rf value is</p> <p>A. Distance travelled by the compound at it's point of maximum. B. Distance travelled by the standard. C. Distance travelled by Solvent travelled D. Distance travelled by the compound divided by distance travelled by Solvent travelled</p>
23	<p>Nujol means _____</p> <p>A. Polymer B. Crude oil C. Mineral oil D. Volatile oil</p>
24	<p>In which vibration, one bond is one plane and other bond is another plane?</p> <p>A. Rocking B. Wagging C. Scissoring D. Twisting</p>
25	<p>In which vibration bond length is increases or decreases ?</p> <p>A. Rocking B. wagging C. Twisting D. Symmetrical</p>

26	In which bending type of vibration bond angle is constant ? A. Scissoring B. Twisting C. Rocking D. Wagging
27	In Visible-spectroscopy Diffraction grating is consists of A. Glass B. Quartz C. Alkyl halide D. Silicon
28	In UV-spectroscopy Diffraction grating is consists of A. Glass B. Quartz C. Alkyl halide D. Silicon
29	In photo voltaic cell which material is used as layer between cathode and anode ? A. Selenium B. Aluminum C. Gold D. Silver
30	In IR-spectroscopy Diffraction grating is consists of A. Glass B. Quartz C. Alkyl halide D. Silicon
31	In Fluorimetric analysis, when molecules are excited in visible region which lamp is used ? A. Hydrogen deturium lamp B. Xenon lamp C. Tangustan lamp C. Mercury lamp
32	If temperature Is increased ? A. Fluorescence is decrease B. Fluorescence is increase C. Fluorescence remains same D. Absorbance increases but Fluorescence remains same
33	If solvent is polar and electron transition is $n \rightarrow \pi^*$ which type of shift are seen in graph ? A. Hypsochromic shift B. Red shift C. Blue shift D. Hypsochromic shift with Blue shift
34	If solvent is non polar ans electron transition is $n \rightarrow \pi^*$ which type of shift are seen in graph ? A. Hypsochromic shift B. Red shift C. Blue shift D. Hypsochromic shift with Red shift

35	<p>Decrease in fluorescence intensity due to specific effect of constituents of the solution itself, it is called</p> <p>A. fluorescence  B. Phosphorus  C. Quenching  D. Hydration</p>
36	<p>Collimator is used for?</p> <p>A. EMR To focus on of the entrance slit.  B. EMR To get narrow beam source  C. EMR To fall on sample cell  D. EMR To disperse radiation</p>
37	<p>_____ is required for the IR spectroscopy ?</p> <p>A. Dipole moment  B. Spin moment  C. Round moment  D. Linear moment</p>
38	<p>_____ is responsible for uv absorption in a compound?</p> <p>A. Auxochrome  B. Chromophore  C. Colour  D. Sigma bonds</p>
39	<p>IF Molecular weight is increase then what happen with fluorescence</p> <p>A. fluorescence increase  B. No effect on fluorescence  C. fluorescence increases with increase in absorbance  D. fluorescence decrease</p>

## ANSWER KEY

1	D		26	C
2	A		27	A
3	C		28	B
4	C		29	A
5	A		30	C
6	B		31	B
7	C		32	B
8	A		33	D
9	D		34	A
10	A		35	C
11	D		36	A
12	A		37	A
13	B		38	B
14	A		39	D
15	A			
16	B			
17	D			
18	C			
19	A			
20	C			
21	C			
22	D			
23	C			
24	D			
25	D			