

CVM UNIVERSITY
FACULTY OF SCIENCE
PH.D. COURSE WORK
INTERNAL (THEORY) EXAMINATION
DISCIPLINE SPECIFIC COURSE - CVMPHDS004-IND: ENVIRONMENTAL SCIENCE

Total Marks: 20

Note: (1) Attempt all questions.
(2) Figures to the right indicate marks.

- Q.1 (A) Answer the following multiple choice questions. (6)
1. In UV Spectrophotometer, following lamp is used as a source.
a) Tungsten Filament b) Deuterium c) Halogen d) Neon filament
 2. Secondary electrons radiated back in Scanning Microscope are collected by
a) Specimen b) scan coil c) Anode d) Cathode
 3. Which color of light penetration is high in waters?
a) Red b) Yellow c) Green d) UV rays
 4. In India, the forest cover _____% of geographical region.
a) 24.21 b) 10.61 c) 32.22 d) 41.23
 5. _____ is a solidifying agent used in nutrient media.
a) Sucrose b) Cytokinin c) Agar d) Auxin
 6. In MS-Excel (10.0), frequently used commands can be added using
a) Quick Access Toolbar b) Menu Bar
c) Task Bar d) Scroll Bar
- (B) Answer any two of the following. (4)
1. The basic principle of Gas Solid Chromatography is _____.
 2. Tides
 3. Streak plate method is used to obtain isolated colonies. (True/False)
- Q.2 (A) Describe physical properties of lotic environment. Discuss the sterilization techniques used in biology laboratory. (5)
- (B) Explain the working principle of ICPAES Torch. Describe its working principle, mechanism and applications in detail. (5)
- OR
- (B) Describe the salient and advanced features of PAST (PALaeontological STATistics - Version 4.03) over MS-Excel (Version 10.0) with suitable examples. (5)