

YASHWANTRAO CHAVAN MAHARASHTRA OPEN UNIVERSITY, NASIK

HOME ASSIGNMENT

(2016-17)

B.Sc. Regular (V92)

Instructions for the Students:

- 1) All Questions are compulsory.
 - 2) Each Sub-question carries 5 marks.
 - 3) Each Sub-question should be answered between 75 to 100 words. Write every question's answer on separate page.
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Semester IV

RESEARCH METHODOLOGY (SEC411)

- Q.1 Explain Quantitative Research, Qualitative Research ? 5Mark
- Q.2 Write about Concept Quota Sampling 5Mark
- Q.3 How to Select different statistical technique for Research design depending upon the nature of data. 5Mark
- Q.4 Explain what is Chi square test. 5Mark
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PHYSICS IV (S34421)

- Q.1 Explain Group velocity ? 5Mark
- Q.2 Define Simple harmonic motion using example ? 5Mark
- Q.3 Determination of coefficient of viscosity of a liquid using example. 5Mark
- Q.4 Explain Wave intensity . 5Mark
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CHEMISTRY IV (S37431)

- Q.1 Explain Valence Bond Theory (VBT) ? 5Mark
- Q.2 Explain Crystal field stabilization energy (CFSE) ? 5Mark
- Q.3 Explain Viscosity of a liquid and determination of coefficient of viscosity using Ostwald viscometer 5Mark
- Q.4 Explain Maxwell Boltzmann distribution laws of molecular velocities 5Mark

MATHEMATICS IV (S41441)

- Q.1 Define & Explain examples of abelian and non-abelian groups ? 5Mark
Q.2 Explain Cyclic groups from number systems ? 5Mark
Q.3 Explain Integral domains and fields . 5Mark
Q.4 Explain Normal subgroups. 5Mark
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