

**(B.Ed. Two Year Programme Choice Based Credit System Annual Pattern-2015)
Syllabus for B.Ed. Course 205-03 of Savitribai Phule Pune University**

Question Bank Prepared by Teacher Educators of English Method Under the Guidance of Expert in syllabus orientation workshop on B.Ed. 205-03 English at Rareshwar Dongari Vikas Parishad's Adhyapak Mahavidhyalaya, Dhankawadi, Pune. On 14/07/2016.

B.Ed. 205-03: Additional Pedagogy Course Understanding Disciplines & School Subjects and Pedagogy of School Subjects–English

Unit-1

Long Answer Questions

- 1) What are diphthongs? What are its types? Give any one example of each.
- 2) What is intonation? Give the types of intonation with suitable examples.
- 3) How many vowels are there? Write with suitable examples of each.
- 4) What are the parts of speech? Explain with some examples.
- 5) What are the kinds of sentences? Give one example of each.
- 6) Explain the types of tones. Give suitable examples.
- 7) What is meant by vowels? Explain Front/Back/Central vowels with diagram.

Short Notes

- 1) Stress
- 2) Difference between syntax and semantics
- 3) Kinds of Nouns
- 4) Explain the term 'syllable' in short.
- 5) Explain the concept of semantics.
- 6) Intonation
- 7) Accent
- 8) Punctuation
- 9) Do as directed

Unit-2

- 1) Draft questions for an interview of book publisher /Head master/English Teacher/Social worker
- 2) Prepare a review of book which you like most
- 3) Prepare a review of book of your best Author
- 4) Write an Article on
 - a) Media – Effective way of Communication,
 - b) Benefits of Social Networking,
 - c) Educational policies, etc
- 5) Prepare a speech on
 - a) Trees our best friends,
 - b) If I were the Education Minister,
 - c) Independent India, Dream 2020, etc
- 6) Draft any Educational / Social News.
- 7) Explain the conversation between Head master and Teacher about Educational Growth of students.
- 8) Describe event of sport competition/Gathering

Unit -3

Long Answer Questions

- 1) Write nature and scope of English Subject
- 2) Explain how English subject has acquired a place in secondary and Higher Secondary school curriculum
- 3) What are the objectives of teaching English at secondary level?
- 4) What are the objectives of teaching at higher secondary level?
- 5) Write the correlation of English subject with other school subjects with suitable examples
- 6) What are the specific qualities and competencies of English teacher?

Short Notes

- 1) Nature of English subject
- 2) Scope of English subject
- 3) Objectives of teaching English at Secondary level
- 4) Objectives of teaching English at Higher Secondary level
- 5) Correlation of subject English with Social Sciences/Other Languages.
- 6) Qualities of English Teacher.
- 7) Competencies of English Teacher

Unit -4

Long Answer Questions

- 1) Explain Communicative /Structural approach/Direct Method /Grammar Translation Method/Dr. West method/Inductive /Deductive method with the reference to following points.
 - a) Concept
 - b) Features
 - c) Steps
 - d) Merits and limitations
 - e) Education Implication
- 2) Explain learning resources with the reference to following points.
 - a) Concept
 - b) Need of learning resources.
 - c) Types of learning resources.

Short Notes

- 1) Note on the concept/features/merits/limitations/steps/educational implication of Communication approach/Structural approach/Direct method /Grammar Translation method/Dr. West method/Inductive /deductive method
(E.g. write note on the concept of Communicative approach)
- 2)
 - a) Concept of learning resources.
 - b) Need and importance of learning resources
 - c) Write any two traditional / technology based learning resources
 - d) Write note on Language Lab/Mobile Apps/Websites.

(B.Ed. Two Year Programme Choice Based Credit System Annual Pattern-2015)
Syllabus for B.Ed. Course 205-06 of Savitribai Phule Pune University

Question Bank Prepared by Teacher Educators of History Method Under the Guidance of Expert in syllabus orientation workshop on B.Ed. 205-06 History at Rareshwar Dongari Vikas Parishad's Adhyapak Mahavidhyalaya, Dhankawadi, Pune. On 14/07/2016.

B.Ed. 205-06: Additional Pedagogy Course Understanding Disciplines & School Subjects and Pedagogy of School Subjects–History

Unit I – Civilization, Revolutions and Progress of Maharashtra (1Credit)

Long Answer Questions

1. Explain Vedic culture with reference to following points-Aryan's Administration, Aryan's Economical Life, Aryan's Social Life
2. Explain causes and effects of American war of Independence,
3. Explain causes and effects of First World War.
4. State Educational Administration. Explain Education progress of Maharashtra during 1960 to 2000 with reference to following points- Primary Education, Secondary Education, and Higher Secondary Education.
5. Explain Social progress of Maharashtra during 1960 to 2000 with reference to following points- Rural system, Urban Society, Diet, Dress and ornaments, Festivals and celebration.
6. Explain Social and cultural life of Harrapan Civilization with reference to following points-Social structure, Clothing and hairstyle, Costumes, Means of entertainment, Religious beliefs.

Short Answer Questions

1. Town planning of Harappa Civilization.
2. Effects of Industrial Revolution on Environment
3. Boston tea-party
4. Contribution of Rousseau in French Revolution
5. Significance of Russian Revolution
6. Lenin's New Economic Policy(NEP)
7. Contribution of the Dr. Karmaveer Bhaurao Patil in the development of Education

Unit II – Constitution and Democracy (1Credit)

Long Answer Questions

1. What are the challenges before democracy related to Inequality? Explain it with examples.
2. What is Preamble to Indian Constitution? Explain objectives of Preamble of Indian Constitution for all round development of India with example.
3. What is applied History? How will apply history in different subject? Explain it with example.
4. State types of mass media. Explain Electronic/print media with examples.

Short Answer Questions

1. The functions of the United Nations
2. Need of Constitution
3. Challenges before democracy regarding personal liberty.

4. Explain concept of Contemporary History
5. Functions of Newspapers
6. Nature of Contemporary History
7. Types of mass media
8. Functions of Periodicals

Unit III – Content cum Methodology, Maxims & Historical Research (1Credit)

Long Answer Questions

1. Explain of the concept of content cum methodology. Explain with example how this method is useful to teacher while direct teaching?
2. Explain principal and maxims in history teaching with suitable examples.
3. What is historical research? Explain need and importance of Historical Research regarding History subject.
4. What is technology based learning resources? How these can make teaching and learning process effective for History subject? Explain it with examples.
5. Define-content cum methodology. Explain it with reference to following points- Utility, Importance, and Procedure.

Short Answer Questions

1. Importance of Content cum methodology.
2. Difference between syllabus and curriculum
3. Place of subject history and civics in the higher secondary school curriculum
4. Need/Importance of Historical research
5. Explain any two Principals /maxims in history teaching

UNIT IV Evaluation and E-learning Resources (1Credit)

Long Answer Questions

1. Define Unit plan. Explain need of unit plan and which precaution should take by history teacher while doing unit plan?
2. Explain concept of achievement Test and Diagnostic test and write difference between these two.
3. What are value, Core-elements and life skills? Write any two activities for inculcation of all these in day to day life.
4. Analyzed of civics textbook of any standard.
5. Explain concept of E-learning. Explain Utility of E-learning in history teaching with suitable example.

Short Answer Questions

1. Concept of year plan
2. Design of Unit test
3. Importance of remedial teaching for student quality development.
4. Precaution by History teacher while planning
5. Limitation of E-learning in history teaching

(B.Ed. Two Year Programme Choice Based Credit System Annual Pattern-2015)
Syllabus for B.Ed. Course 205-07 of Savitribai Phule Pune University

Question Bank Prepared by Teacher Educators of Geography Method Under the Guidance of Expert in syllabus orientation workshop on B.Ed. 205-07 Geography at Raireshwar Dongari Vikas Parishad's Adhyapak Mahavidhyalaya, Dhankawadi, Pune. On 14/07/2016.

B.Ed. 205-07: Additional Pedagogy Course Understanding Disciplines & School Subjects and Pedagogy of School Subjects–Geography

Unit I: Physical Geography

(1Credit)

Long Answer Questions

- 1) What is solar system? Explain the solar system with suitable diagram.
- 2) Explain the Interior of the earth with suitable diagram.
- 3) Explain the structure of Atmosphere with diagram.
- 4) Which are the factors affecting on temperature?
- 5) What is rainfall? Explain types of rainfall with diagram.
- 6) What is lithosphere? Explain physiographic aspects of lithosphere with examples.
- 7) What is earthquake? What are the causes of earthquake? Show global distribution of earthquake zones.
- 8) What is volcano? Explain types of volcano with examples.
- 9) What is hydrosphere? Explain types of water bodies with examples.

Short Answer Questions

- 1) Explain the solar system with suitable diagram.
- 2) Explain the earth motion.
- 3) Write down factors affecting on climate with appropriate examples.
- 4) Write down factors affecting on temperature with appropriate examples.
- 5) Explain the types of precipitation with suitable diagram.
- 6) Write down the causes of volcanoes.
- 7) Write down the causes of earthquake.

Unit II. Human, Regional and Practical Geography

(1Credit)

Long Answer Questions

- 1) What is population? Which are the factors affecting on population? How you create awareness for control on population?
- 2) What is mean by population explosion? Explain the density of population.
- 3) What is mean by occupation? Explain classification of occupation with examples.
- 4) What is mean by biosphere? Explain composition of biosphere with examples.
- 5) Explain physiography of India.
- 6) What is mean by map? Explain elements of map.
- 7) What is mean by field visit? Explain importance of field visit in Geography.

Short Answer Questions

- 1) Write down the causes & effects of population explosion.
- 2) Explain the types of occupation.
- 3) Explain the food chain with suitable diagram.
- 4) Explain the location of India & its physical features.
- 5) Give the definition of map & explain its elements.

- 6) Explain the types of map.
- 7) Draw the diagram & give its functions of following Geographical instruments.
 - 1) Thermometer 2) Barometer 3) Wind vane 4) Rain gauge

Unit: III Nature of the subject Geography.

(1Credit)

Long Answer Questions

- 1) Explain the following concept with suitable examples
 - A) Earth is the distribution of science
 - B) Study of physical & cultural landscape
 - C) Geography is the science of integration.
- 2) Explain the importance & characteristics of Geography subject structure. As a Geography teacher how will you use the structure in teaching Geography. Explain with suitable examples.

Short Answer Questions

- 1) Write the importance of local Geography.
- 2) Write any four objectives of Geography
- 3) Write Co-relation of Geography within the subject & within other school subjects
- 4) Explain the place of Geography in school curriculum.
- 5) Explain the co-relation of Geography in any three school subjects.

Unit: IV Pedagogical Approaches and Learning Resources for the subject Geography.

(1Credit)

Long Answer Questions

- 1) Explain the concept of learning resources. Discuss the traditional & technology based learning resources. How will you use 'Internet' as learning resources with suitable examples.
- 2) Explain the difference between "Excursion & Journey Methods" of teaching Geography with the help of following points.
- 3) Write the essential qualities of Ideal Geography teacher. As Geography teacher how will you take efforts for the develop interest among the Geography subject?
- 4) Explain the importance of teaching aids in while Geography teaching. As a Geography teacher how will you use teaching aids in teaching Geography subject.

Short Answer Questions

- 1) Explain the need & importance of Geography room.
- 2) Write the merits / benefits of content analysis.
- 3) Write the nature of comparative method.
- 4) Explain the criteria of good Geography textbook.
- 5) Write the benefits of filed visit.
- 6) Write any four Core Elements/Values/ Life skills with suitable examples.
- 7) Write various types of learning resources.
- 8) Qualities of an Geography Teacher (Any four)
- 9) Write the importance of project method.
- 10) Difference between journey & excursion method.
- 11) Write the structure of Geography room.
- 12) Importance of Content analysis
- 13) Importance of text book in curriculum & syllabus
- 14) Importance of regional method in teaching Geography.
- 15) Limitations of object method.

(B.Ed. Two Year Programme Choice Based Credit System Annual Pattern-2015)
Syllabus for B.Ed. Course 205-08 of Savitribai Phule Pune University

Question Bank Prepared by Teacher Educators of General Science Method Under the Guidance of Expert in syllabus orientation workshop on B.Ed. 205-08 General Science at Rareshwar Dongari Vikas Parishad's Adhyapak Mahavidhyalaya, Dhankawadi, Pune. On 14/07/2016.

BED-205-08-Additional Pedagogy Course Understanding disciplines and school Subjects and pedagogy of School Subject-General Science

Unit 2: Concepts in Biology (Credit:1)

- 1) Differentiate between vertebrates and invertebrate animals.
- 2) What is meant by biodiversity? State its importance.
- 3) Write short notes on antibiotics.
- 4) What is meant by micro-organisms & give the information of useful & harmful microorganism..
- 5) Which are the three methods of plant classification.

Unit 3:Nature of General Science (Credit:1)

- 1) Write scope and importance of general science at secondary and higher secondary Level.(7 marks)
- 2) What is correlation & write the correlation of science with mathematics & geography (7 marks)
- 3) Write the objectives of general science at secondary level.(5marks)
- 4) Write the objectives of general science at higher secondary level. (5marks)
- 5) Differentiate between curriculum & syllabus. (5marks)
- 6) Criticize the analysis of 8th std. general science textbook.(8 marks)
- 7) Criticize the content analysis of 10th std. general science.(8 marks)
- 8) State the nature of general science at secondary & higher secondary level.

Unit 4:Pedagogical approaches & resources of general science. (Credit:1)

- 1) Explain lecture-demonstration/ laboratory/ project teaching method of General Science with the following points.
 - a) Concept
 - b) Process/steps
 - c) Role of teacher
 - d) Merits
 - e) Demerits
- 2) Explain 5E learning model of General Science with proper steps & examples.
- 3) Explain planning, organization & maintenance of General Science laboratory with the help of structure.
- 4) Explain different learning resources of General Science
- 5) Write the competencies of general science teacher.

(B.Ed. Two Year Programme Choice Based Credit System Annual Pattern-2015)
Syllabus for B.Ed. Course 205-10 of Savitribai Phule Pune University

Question Bank Prepared by Teacher Educators of Economics Method Under the Guidance of Expert in syllabus orientation workshop on B.Ed. 205-10 Economics at Rareshwar Dongari Vikas Parishad's Adhyapak Mahavidhyalaya, Dhankawadi, Pune. On 14/07/2016.

B.Ed. 205-10: Additional Pedagogy Course Understanding Disciplines & School Subjects and Pedagogy of School Subjects–Economics

UNIT-1 –Economics as subject and basic concept (CREDIT-1)

Long Answer Questions

- 1) Explain the meaning, definition, nature and scope of economics.
- 2) Explain with suitable examples need of economics in daily life.
- 3) Explain with suitable examples importance of study of economics subject.
- 4) Explain with suitable examples following basic concepts-
 - i) Human wants ii) Resources iii) Value
- 5) Explain with suitable examples major challenges before Indian Economy

Short Answer Questions

- 1) Explain definition and nature of economics
- 2) Need and importance of study of economics
- 3) Challenges before Indian Economy-Corruption
- 4) Explain the basic concepts of economics-
 - i) Utility ii) Prices iii) Value

UNIT – 2 Micro and Macro Economics (CREDIT-1)

Long Answer Questions

- 1) Explain with suitable examples concept of micro economics
- 2) Explain with suitable examples following concept of micro economics-
 - i) Utility ii) Demand iii) Supply iv) Forms of market v) Factors of production
- 3) Explain with suitable examples forms of market
- 4) Explain with suitable examples factors of production
- 5) Explain the concept of macro economics
- 6) Explain with suitable examples following concept of macro economics-
 - i) National Income ii) Money iii) Commercial Banking iv) Central Banking v) Government Budget

Short Answer Questions

- 1) Explain the concept of micro economics
- 2) Concept of Commercial Banking
- 3) Concept of Government Budget
- 4) Concept of National Income

UNIT – 3- Basics of Economics Teaching (CREDIT-1)

Long Answer Questions

- 1) Explain with suitable examples objectives of teaching of economics.
- 2) Explain the place of subject economics of secondary and higher secondary school curriculum

- 3) Explain with suitable examples Co-relation of economics with other school subjects.
- 4) What is Structure of economics? Prepare structure of any unit of economics subject
- 5) Differentiate in between curriculum, syllabus and textbook
- 6) Explain the curriculum construction methods of economics
- 7) Explain textbook analysis of any unit form any standard of economics subject
- 8) Explain the criteria of good textbook of economics subject

Short Answer Questions

- 1) Explain the structure of economics subject- Concept of Micro and Macro Economics
- 2) Explain the correlation with geography and commerce with economics

UNIT- 4: Pedagogical approaches and learning resources of the subject of economics and teacher of economics **(CREDIT-1)**

Long Answer Questions

- 1) Explain the lecture method of economics teaching with reference to following points-
i) Concept ii) Nature iii) Merits iv) Limitations v) Role of teacher
- 2) Explain the Discussion method of economics teaching with reference to following points-
i) Concept ii) Nature iii) Merits iv) Limitations v) Role of teacher
- 3) Explain the Problem solving method of economics teaching with reference to following points- i) Concept ii) Nature iii) Merits iv) Limitations v) Role of teacher
- 4) Explain the Project method of economics teaching with reference to following points-
i) Concept ii) Nature iii) Merits iv) Limitations v) Role of teacher
- 5) Explain the Inductive and deductive method of economics teaching with reference to following points- i) Concept ii) Nature iii) Merits iv) Limitations v) Role of teacher
- 6) Explain the use of lecture method of economics teaching for any unit of economics.
- 7) Explain the learning sources using in teaching of economics
- 8) Explain with suitable examples the uses of traditional learning resources using in teaching of economics
- 9) Explain the uses of technology based learning resources using in teaching of economics
- 10) What is learning resources? Explain the need and importance of traditional and technology based learning resources
- 11) Explain the qualities of good economics teacher
- 12) Explain the required skills of good economics teacher
- 13) Suggest activities for improvement of economics teacher

Short Answer Questions

- 1) Explain the need and importance of learning sources of economics
- 2) Explain the role of teacher in lecture method
- 3) Explain the steps of project method
- 4) Explain the concept of inductive and deductive method
- 5) Explain the nature of teacher centered discussion method
- 6) Explain the traditional learning sources
- 7) Explain the qualities of good economics teacher

**(B.Ed. Two Year Programme Choice Based Credit System Annual Pattern-2015)
Syllabus for B.Ed. Course 205-12 of Savitribai Phule Pune University**

Question Bank Prepared by Teacher Educators of German Method Under the Guidance of Expert in syllabus orientation workshop on B.Ed. 205-12 German at Rareshwar Dongari Vikas Parishad's Adhyapak Mahavidhyalaya, Dhankawadi, Pune. On 14/07/2016.

B.Ed. 205-12: Additional Pedagogy Course Understanding Disciplines & School Subjects and Pedagogy of School Subjects–German

- 1) What are the different teaching methods of German Language? Write merits and demerits of any method. How will you make use of this method at secondary school level?
- 2) What are the different teaching methods of German Language? Write merits and demerits of any method. How will you make good use of this method at primary level?
- 3) Explain the types of learning resources. Which technology based learning resources are more effective while teaching content of German language. Illustrate with suitable examples.
- 4) What are the modern approaches of teaching learning of German language . Explain any one with suitable example.
- 5) What techniques will you use for evaluation of listening and speaking skills of German Language . Illustrate with suitable example.

Unit 3&4 (Short notes)

- 1) Write the importance of German as a foreign language in India.
- 2) State the place of German language in Indian school curriculum.
- 3) State the nature of German language.
- 4) Functional & Cultural roles of German Language.
- 5) Write any five objectives of German Language.

Unit 4

- 1) Write merits and demerits of project method in German language.
- 2) Communicative didactics.
- 3) Qualities Lerner.
- 4) Qualities of a German teacher.
- 5) Use of audio video aids in learning of German language.

(B.Ed. Two Year Programme Choice Based Credit System Annual Pattern-2015)
Syllabus for B.Ed. Course 205-15 of Savitribai Phule Pune University

Question Bank Prepared by Teacher Educators of Physics Method Under the Guidance of Expert in syllabus orientation workshop on B.Ed. 205-15 Physics at Rareshwar Dongari Vikas Parishad's Adhyapak Mahavidhyalaya, Dhankawadi, Pune. On 14/07/2016.

B.Ed. 205-15: Additional Pedagogy Course Understanding Disciplines & School Subjects and Pedagogy of School Subjects–Physics

Unit-1- 1.1(a)

- 1) What is the need for measurement of a physical quantity?
- 2) Give the definition and need of measurement.
- 3) What is meant by Unit of a physical quantity? State the different types of systems of Units. What is S.I.system of Units? Explain its need.
- 4) Explain- i) Fundamental quantities,
ii) Fundamental Units,
iii) Derived quantities,
iv) Derived Units.
- 5) Define dimensions. State the uses of dimensional analysis.
- 6) Numerical based on dimensions.

1.1(b)

- 1) Define scalars and vectors. Explain triangle law of vector addition.
- 2) Explain the scalar and vectors with suitable examples.
- 3) Explain the types of vectors with suitable examples.

1.2

- 1) Define-a) Work b) Energy c) Power
- 2) Explain the concept and types of Work.
- 3) Explain the concept of Energy and its types.
- 4) Explain the law of conservation of energy with suitable examples.
- 5) Explain concept of work/ Energy/Power. Write its unit. Explain the types with suitable examples.
- 6) Numerical based on Work, Energy and Power.

1.3

- 1) Write about temperature and Heat.
- 2) Derive Ideal Gas Equation, $PV=nRT$.
- 3) Explain the term-a) Specific heat capacity b) Latent heat.
- 4) Explain the heat transfer process.

1.4

- 1) Explain concept and types of Force.
- 2) Describe law of conservation of momentum.
- 3) Distinguish between elastic and inelastic collision.
- 4) Write a note on- 'Moment of force'
- 5) Explain the concept of electromagnetic and Nuclear Force.

Unit-2- 2.1

- 1) Write about motion, displacement and velocity and acceleration.
- 2) Explain uniform and non-uniform motion along a straight line.
- 3) Explain concept of -a) Uniform circular motion
b) Projectile motion
c) Circular motion
d) Rotational motion
- 4) Describe Newton's three laws of motion.

2.2

- 1) Explain magnetic field due to current carrying conductor **OR** A current through a circular loop **OR** current in a solenoid
- 2) Explain Right Hand Rule.
- 3) Explain Biot-Savart's Law
- 4) Explain magnetic induction at the centre of a circular coil carrying current.
- 5) Write about Fleming's Left Hand rule.

2.3

- 1) Write short notes on- a)SONAR, b) Reverberation.
- 2) Define-a) Wave b) Frequency of a sound wave.
- 3) Write about nature and characteristics of progressive waves.
- 4) Derive the relation between wavelength and frequency.
- 5) Distinguish between transverse and longitudinal waves.
- 6) Numerical based on calculation of velocity, wavelength and frequency.

Unit-3&4

- 1) Explain the correlation of physics with other subject with suitable examples.
- 2) Give the nature of physics at sec. and H. sec. level.
- 3) Explain the objectives of physics at sec. level.
- 4) Describe Demonstration method of teaching Science.
- 5) Explain 5E learning model with suitable examples.
- 6) Explain learning resources in Physics.
- 7) Give the use of Physics Lab in teaching.

(B.Ed. Two Year Programme Choice Based Credit System Annual Pattern-2015)
Syllabus for B.Ed. Course 205-16 of Savitribai Phule Pune University

Question Bank Prepared by Teacher Educators of Chemistry Method Under the Guidance of Expert in syllabus orientation workshop on B.Ed. 205-16 Chemistry at Rareshwar Dongari Vikas Parishad's Adhyapak Mahavidhyalaya, Dhankawadi, Pune. On 14/07/2016.

BED-205-16-Additional Pedagogy Course Understanding disciplines and school Subjects and pedagogy of School Subject-Chemistry

Unit 1: Organic and inorganic Chemistry

(Credit: 1)

Long Answer Questions

(1.1)

- 1) Write note on classification of hydrocarbons. (8 marks)
- 2) Distinguish between saturated and unsaturated hydrocarbons? (8 marks)
- 3) Differentiate between detergent & soap. (8 marks)
- 4) State Physical & Chemical properties of hydrocarbons. (8 marks)
- 5) Uses of hydrocarbon. (5 marks)

(1.2)

- 1) Give the structure & general properties of alkanes.
- 2) Distinguish between straight chain and branch chain alkenes.
- 3) Write notes on types of carbon atom in alkenes.
- 4) Write the structure of alkyl group.
- 5) State uses of alkenes.
- 6) Explain ball and stick model of ethenyle alkene. State its general characteristics.
- 7) Differentiate between aromatic & aliphatic compounds.
- 8) What is meant by aromatic compound & state its characteristics.

(1.3)

- 1) What is alcohol & how it is classified.
- 2) Distinguish between alcohol & phenol.
- 3) Write the types of phenol with example.
- 4) Give classification of ether.

(1.4.)

- 1) Distinguish between Actinides & Lanthanides.
- 2) Write brief notes on s,p,d and f block.
- 3) Differentiate between carbon and graphite.
- 4) Write physical & chemical properties of S & p block.
- 5) Define the terms.
 - i) Catenation
 - ii) Allotropy
 - iii) Inert pair effect.

Unit 2: Physical and Inorganic Chemistry

(Credit: 1)

(Long answer)

- 1) Define solution & explain its type with examples.
- 2) Describe the different states of matter.
- 3) State & explain Boyle's law with the help of suitable example.

(Short answer)

- 1) Write Colligative properties.
- 2) Write physical characteristics of solids.
- 3) Explain change of state.
- 4) Explain Boyle's law.
- 5) Write note on hydrogen bonding.

2.3. Chemical Thermodynamics:

(Long answer)

- 1) Explain the nature of heat & work in thermodynamics with example.
- 2) Explain laws of thermodynamics with example.

(Short answer)

- 1) Explain types of system in thermodynamics.
- 2) Explain properties of system in thermodynamics.
- 3) Explain state & state functions in thermodynamics.
- 4) Explain types of processes in thermodynamics.
- 5) What is the nature of heat & work in thermodynamics.
- 6) Explain first law of thermodynamics.
- 7) Explain second law of thermodynamics.
- 8) Explain third law of thermodynamics.

2.4. Chemistry in everyday life.

(Long answer)

- 1) Explain uses of chemistry in everyday life

(Short question)

- 1) Write the classification of drugs with example.
- 2) Explain chemicals used in medicines with example
- 3) Which cleansing agents are used in everyday life.
- 4) Which chemicals are used in food? Explain with example.

(B.Ed. Two Year Programme Choice Based Credit System Annual Pattern-2015)
Syllabus for B.Ed. Course 205-17 of Savitribai Phule Pune University

Question Bank Prepared by Teacher Educators of Biology Method Under the Guidance of Expert in syllabus orientation workshop on B.Ed. 205-17 Biology at Rareshwar Dongari Vikas Parishad's Adhyapak Mahavidhyalaya, Dhankawadi, Pune. On 14/07/2016.

BED-205-17-Additional Pedagogy Course Understanding disciplines and school Subjects and pedagogy of School Subject-Biology

Unit 1 Cells & Plant – Animal Kingdom.

(Credit:1)

1. Explain human female reproductive system with diagram.
2. Explain reproductive system in plants with diagram.
3. Explain the structure and function of mitochondria and why it is called as power house of the cell.
4. Explain the following cell organelles in detail
 - a) nucleus
 - b) Golgi apparatus
 - c) lysosomes
5. Give general characteristics of algae with two examples.
6. Give an account of phylum Arthropoda.
7. Differentiate between nonchordates and chordates.

Unit 3 and unit 4

- Q.1. What is Correlation? Explain the types of co-relation? Explain the co-relation of Biology with Chemistry and physics. (15 M)
- Q.2. What are the objectives of Biology at secondary & higher secondary level? Explain difference between curriculum & syllabus of Biology at higher secondary level?
- Q.3. What are the characters of good textbook.
- Q.4. What are the characters of good textbook. Analyze 11th std. biology textbook.
- Q.5. Explain lecture cum demonstration method with respect to following points.
 - a) nature b) scope c) steps d) advantages & limitations e) Role of teacher.
- Q.6. Explain laboratory method of teaching Biology with the help of following points
 - a) nature b) scope c) steps d) advantages & limitations e) Role of teacher.
- Q.7. Explain Project method of teaching Biology with the help of following points
 - a) nature b) scope c) steps d) advantages & limitations e) Role of teacher.
- Q.8. Explain Biology training model w.r.t. following points
 - a) focus b) syntax c) support system d) Principal of reaction e) social system
- Q.9. Explain biological laboratory with the help of following points
 - a) planning b) organization c) maintenance
- Q.10. Short notes.**
 - a) learning resources in biology
 - b) Competencies of Biology teacher.

(B.Ed. Two Year Programme Choice Based Credit System Annual Pattern-2015)
Syllabus for B.Ed. Course 205-23 of Savitribai Phule Pune University

Question Bank Prepared by Teacher Educators of Political Science Method Under the Guidance of Expert in syllabus orientation workshop on B.Ed. 205-23 Political Science at Rareshwar Dongari Vikas Parishad's Adhyapak Mahavidhyalaya, Dhankawadi, Pune. On 14/07/2016.

B.Ed. 205-23: Additional Pedagogy Course Understanding Disciplines & School Subjects and Pedagogy of School Subjects–Political Science

UNIT-1-Political Theory and Contemporary world Politics (CREDIT-1)

Long Answer Questions

1. Explain International organization with reference to following points- Nature, Structure, Functions.
2. Explain Regional organization with reference to following points- Nature, Structure, Functions
3. What is world security? Explain it with reference to following points-Importance, Factors enduring world security.
4. Explain different political theory.

Short Answer Questions

1. Concept of Bipolarization.
2. Political theory of state
3. What are restrictive measures for terrorism/ violation of Human rights/ poverty in the world/ arms race?

UNIT-2- Indian Constitution & Politics in India (CREDIT-1)

Long Answer Questions

1. Explain salient features of the Constitution of India.
2. Explain the functions of Speaker of Lok Sabha
3. Explain composition of the Parliament.
4. Explain the Law making procedure.
5. Explain the powers and functions of the President in detail
6. Explain the jurisdiction of Supreme Court.
7. Give an account of emergence of multiparty system in India.
8. What are the factors contributing for the growth of regionalism in India

Short Answer Questions

1. Secularism
2. Directive Principles
3. Republic
4. Money Bill
5. Bicameral Legislature
6. Collective responsibility
7. Impeachment of judges
8. One party dominant system in India
9. Human Rights Movement
10. Narmada Bachao Andolan
11. Chipko Andolan

12. Mandal Commission

UNIT: 3 Nature, scope, objectives and relation with other subjects

(CREDIT-1)

Long Answer Questions

1. Explain nature and scope of Political science.
2. Explain objectives of teaching Political Science and place of Political science in higher secondary school curriculum.
3. Explain Relation of political science with other subject

Short Answer Questions

1. Relation of political science with Education
2. Qualities of a political science teacher

UNIT: 4 Pedagogy of Political Science

(CREDIT-1)

Long Answer Questions

1. What are different methods of political science teaching?? Explain discussion/Library/Lecture method with reference to following points- Concept, Nature, limitations, role of teacher
2. Analyze any content of political science with the steps.
3. Explain any two core elements and two values regarding political science content. Write any two activities for inculcation of two core elements and two values.

Short Answer Questions

1. Importance of structure of political science.
2. Nature of lecture/seminar/discussion/seminar method
3. Limitations of lecture/seminar/discussion/seminar method