

## II. SCHEME OF EXAMINATION FOR APed.CET-2022:

The common entrance test will be of objective type (multiple choices) examination. Candidate has to answer 150 questions in two hourstime.

**Part-A:** General English - 25 questions for 25 marks

**Part-B:** 1) General Knowledge - 15 questions for 15 marks

2) Teaching Aptitude - 10 questions for 10 marks

**Part-C:** Methodology: Candidate has to choose one of the following subjects. It consists of 100 questions for 100 marks.

1) Mathematics - 100 questions for 100marks

2) Physical Sciences - 100 questions for 100marks

(i) Physics - 50 questions for 50marks

(ii) Chemistry - 50 questions for 50marks

3) Biological Sciences - 100 questions for 100marks

(i) Botany - 50 questions for 50marks

(ii) Zoology - 50 questions for 50marks

4) Social Studies - 100 questions for 100marks

(i) Geography - 35 questions for 35marks

(ii) History - 30 questions for 30marks

(iii) Civics - 15 questions for 15marks

(iv) Economics - 20 questions for 20marks

5) English - 100 questions for 100marks

**Note:** Part - A and Part - B are common for all the candidates irrespective of Methodology chosen in Part-C.

## III. ELIGIBILITY CRITERIA FOR THE CHOICE OF SUBJECT UNDER PART-C:

(G.O.Ms.No. 92, Education (SE-Trg-I) Department, dated 16-11-2006 and the amendments thereafter).

### METHODOLOGY ELIGIBILITY:

**1. Mathematics:** Candidates with B.A/B.Sc. with Mathematics as one of the group subjects or B.C.A. candidate's with Mathematics at intermediate level as a group subject or B.Tech. with Mathematics &Physics.

**2. Physical Sciences:** Candidates with B.Sc. who have studied Physics and Chemistry or Allied Material Sciences (See Annexure-I) under Part-II group subjects or B.C.A. Candidates with Physical Sciences (Physics and Chemistry) at intermediate level as groups subjects.

**3. Biological Sciences:** Candidates with B.Sc./B.Sc.(Home Science) who have studied Botany and Zoology or Allied Life Sciences (See Annexure-II) under Part-II group subjects or B.C.A. candidates with Biological Sciences at intermediate level as groups subjects.

## **AP Ed.CET-2022 SYLLABUS:**

**COVERING THE DEGREE SUBJECTS (B.A., B.Com. B.Sc.) FOR THE PERIOD 2019-2022.**

**Syllabus for the subjects under Part-A, Part-B and Part-C of AP Ed.CET-2022:**

### **PART-A: GENERAL ENGLISH**

1. ReadingComprehension.
2. Correction of Sentences, Articles, Prepositions, Tenses,Spelling.
3. Vocabulary, Synonyms,Antonyms.
4. Transformation of Sentences - Simple, Compound and Complex. Voices, Direct Speech and IndirectSpeech.

### **PART-B: GENERAL KNOWLEDGE & TEACHING APTITUDE**

1. Questions will be designed to test the ability of the candidate's general knowledge of the environment around him and its application to society.
2. Questions will also be designed to test knowledge of current events and of such matters of every day observation and experience in their scientific outlook as is expected of an educated person.
3. The test will also include questions relating to India and its neighboring Countries especially pertaining to History, Culture, Geography, Ecology, Economics, General Policy and ScientificResearch.
4. Teaching requires certain characteristics like ability to communicate, ability to deal with Children, ability to recognize individual differences etc., apart from analytical thinking and general intelligence. One who has these characteristics will be able to become a good teacher after training. Questions relating to these aspects will be included to test one's teaching aptitude.

### **PART-C: One of the following subjects to be opted:**

1. Mathematics(MS)
2. Physical Sciences (Physics and Chemistry)(PS)
3. Biological Sciences (Botany and Zoology)(BS)
4. Social Studies (Geography, History, Civics and Economics)(SS)

**(For these four subjects Syllabus shall be of graduation level (revised common core degree syllabus)**

5. English [Special English inB.A.]

**The Syllabus for Part C for Subject: English shall cover**

**a) Syllabus pertaining to English for Classes VIII, IX and X and that for the Two-Year Intermediate course of A.P-50 Questions (50Marks)**

**Topics**

- i) Language functions ii) Elements of Phonetics iii) Grammar  
iv) Phrasal Verbs (idioms) v) Writing skills vi) Study skills vii) Reference skills

**b) Syllabus prescribed for Optional English at B.A. Degree Level (B.A. Special English)/  
Modern Literature Syllabus in English-50 Questions (50marks)**

**MODEL PAPER:**

**PART-A: General English (Marks: 25)**

1. The idiom 'cold blood' means

- a. Indifferently b. Deliberately c. Unintentionally d. In anger

2. We attended a..... of classical music last Sunday.

Fill in the blanks with the correct word given.

- a. Programmes b. Consort c. Show d. Function

3. Identify the correct sentence given.

- a. Will you mind closing the door?  
b. Would you mind to closing the door?  
c. Would you mind closing the door?  
d. Would you mind switch off the fan?

**PART-B: General Knowledge And Teaching Aptitude (Marks: 25)**

1. Who is related to Green Revolution in India?

- a. Vargheese Kurian b. Anand  
c. Dr. M.S. Swaminadhan d. Medha Patkar

**PART-C: Mathematics:**

**(Code:1-Mathematics Methodology) (Marks: 100)**

1. A regular polygon has 10 sides. Then the number of its diagonals is :

- a. 30 b. 35 c. 40 d. 45

2. The standard deviation of 1, 2, 3, ... .., 10 is  $\sigma$ . Then the standard deviation of 11, 12, 13, ....., 20 is:

- a.  $\sigma + 10$  b.  $10\sigma$  c.  $\sigma + 20$  d.  $\sigma$

3. The number of even positive divisors of 10800 is :

- a. 46 b. 60 c. 48 d. 12

### **PART-C : Physical Sciences:**

**(Code:2-Physical Sciences Methodology) (Marks: 100)**

#### **Physics (Marks: 50):**

1. Two objects A and B are thrown vertically upwards with their initial speeds in the ratio of 2:3. The ratio of the maximum heights attained by them is:  
a. 2:3 b. 3:2 c. 4:9 d. 9:4
2. If the current flows in a conductor from east to west, the direction of the magnetic field at a point above the conductor is:  
a. towards west b. towards east c. towards north d. towards south
3. Kilowatt hour is the unit of:  
a. Electric power b. Electric resistance c. Electric potential d. Electric energy

#### **Chemistry (Marks:50):**

1. In a colloidal system, the dispersed phase is a liquid and the dispersion medium is a solid. The colloidal system is :  
a. a foam b. a sol c. an emulsion d. a gel
2. Which of the following is a semiconductor?  
a. Ag b. Cu c. Au d. Si
3. The display unit of calculator contains:  
a. gases b. crystals c. liquid crystals d. liquids

### **PART-C : Biological Sciences:**

**(Code:3-Biological Sciences Methodology) (Marks : 100)**

#### **Botany (Marks : 50):**

1. Which of the following is a vascular cryptogam?  
a. Gymnosperms b. Angiosperms c. Bryophytes d. Pteridophytes
2. Bacterial nuclear material does not contain:  
a. DNA b. Circular DNA c. Polyamines d. Histones
3. Which of the following is incorrect about plasmids?  
a. Extra chromosomal genetic material b. Transmitted to another bacterium during conjugation  
c. Impart no special property to the bacterium d. Transmitted to daughter cells by binary fission.

#### **Zoology (Marks: 50):**

1. One of the following fishes is known for discontinuous distribution:  
a. Exocoetus b. Clarias c. Protopterus d. Torpedo
2. Function of parapodia :

- a. Respiration b. Touch c. Excretion d. Feeding
- 3. The division of Nucleus alone is known as:
  - a. Mitosis b. Amitosis c. Cytokinesis d. Karyokinesis

**PART-C: Social Studies:**

**(Code: 4-Social Studies Methodology) (Marks: 100)**

**Geography (Marks:35):**

- 1. The continent that has occupied the largest area in the equatorial belt is :
  - a. South America b. Australia c. Africa d. Asia
- 2. Which one of the following is not a Sea?
  - a. Aral Sea b. Black Sea c. Yellow Sea d. White Sea
- 3. Arabica is a variety of which one of the following crop?
  - a. Tea b. Coffee c. Cocoa d. Sugar cane

**History (Marks: 30):**

- 1. The Treaty of Berlin was concluded in:
  - a. 1878 b. 1879 c. 1880 d. 1882
- 2. Who introduced New Economic Policy?
  - a. Chekov b. Stalin c. Gorky d. Lenin
- 3. Konark Sun Temple is in:
  - a. Bihar b. Orissa c. Karnataka d. Kerala

**Civics (Marks: 15):**

- 1. "Contempt of Court" comes under:
  - a. Union list b. State list c. Concurrent list d. Exemption in Union list
- 2. How many member-states of the U.N.O. enjoy the VETO power?
  - a. 1 b. 2 c. 5 d. 10
- 3. Which of the following is not a device of direct democracy?
  - a. Referendum b. Plebiscite c. Recall d. Reservation

**Economics (Marks: 20):**

- 1. Which of the following is an indirect tax ?
  - a. Personal Income Tax b. Corporate Tax c. Wealth Tax d. Tax on natural resources
- 2. Bank drafts are issued by:
  - a. International Monetary Fund b. Commercial Banks c. Reserve Bank of India d. Business Firms
- 3. Which of the following is a source of revenue in the revenue account of the budget?
  - a. Subsidies b. Market borrowings c. Interest revenue d. Revenue from taxes

**PART-C: English:**

**(Code: 5-EnglishMethodology) (Marks: 100)**

1. These words are always said in their strong form, in a sentence:  
a. articles b. some conjunctions c. adverbs d. prepositions
2. Integration of reading and writing skills is involved in:  
a. reporting b. reciting c. note-taking d. note-making
3. Toru Dutt's *Sita's*:  
a. Lyrical b. Elegiac c. Melancholic d. Very humorous