

2014

Time : As in Programme

Full Marks : 70

The figures in the right-hand margin indicate marks.

Answer from all the Sections of appropriate Group.

Group – A

**Modern Trends in Methods of Teaching
Theory (Mathematics)**

Section – A

Answer any **three** questions of the following :

$$12 \times 3 = 36$$

1. Discuss the place of Mathematics at elementary school stage.
2. Describe different values of Mathematics education with examples.

3. "Inductive and deductive methods are complementary to each other." Justify with appropriate examples.
4. How will you diagnose learning difficulties in Mathematics of elementary school stage ? What remedial measures will you take to overcome it ?
5. List down different instructional materials available in Mathematics teaching. Describe one of them in detail.

Section – B

Answer any **three** questions of the following :

$$8 \times 3 = 24$$

6. Discuss the scope of Mathematics education in detail.
7. List down the aims and objectives of teaching Mathematics at elementary school stage.
8. What is heuristic method ? Describe its steps with examples.

VF – 125/13

(2)

Contd.

9. Differentiate between analytic and synthetic method in teaching of Mathematics.
10. List down different Audio-visual aids used in teaching of Mathematics.

Section – C

Write short notes on any **two** of the following :

$$5 \times 2 = 10$$

11. Evaluation of gifted children
12. Project method
13. Preparation of scheme of lessons in Mathematics
14. Problems of teaching Mathematics at secondary stage

Group – B

Modern Trends in Methods of Teaching Theory (General Science)

Section – A

Answer any **three** questions of the following :

$$12 \times 3 = 36$$

VF – 125/13

(3)

(Turn over)

1. What is science ? Describe the place of General Science in School curriculum.
2. List down the different methods of teaching General Science. Describe any one method in detail.
3. What is Project method ? Explain the different steps of Project method with suitable example from General Science.
4. What is instructional objective ? Take a topic from General Science textbook of elementary level. Write its instructional objectives.
5. Select a unit from General Science textbook of Secondary level. Prepare an achievement text.

Section – B

Answer any three questions of the following :

8×3 = 24

6. Describe different approaches of organization of General Science with examples.

VF – 125/13

(4)

Contd.

7. what is Problem-solving method ? Describe the steps of Problem-solving method in teaching General Science.
8. What is Unit Planning ? Take a unit from General Science textbook of elementary level and prepare a unit plan.
9. What is improvised teaching aids ? Explain the process of improvisation of teaching aids in General Science.
10. Critically evaluate the process of evaluation of General Science at school level in Odisha.

Section – C

Write short notes on any two of the following :

5×2 = 10

11. Science Club
12. Observation Method in Science
13. General objectives of teaching Science

VF – 125/13

(5)

(Turn over)

14. Integrated approach of Organization of Science Curriculum

Group – C

Modern Trends in Methods of Teaching Theory (Odia)

Section – A

Answer any three questions of the following :

12×3 = 36

1. “ବ୍ୟକ୍ତିର ଜୀବନ ଓ ଶିକ୍ଷା ପାଇଁ ମାତୃଭାଷା ଅପରିହାର୍ଯ୍ୟ”— ଆଲୋଚନା କର ।
2. ପ୍ରାଥମିକ ସ୍ତରରେ ମାତୃଭାଷା ଶିକ୍ଷାଦାନର ଲକ୍ଷ୍ୟ ଓ ଉଦ୍ଦେଶ୍ୟ ଉଲ୍ଲେଖ କର ।
3. ଓଡ଼ିଆଭାଷା ଅଧ୍ୟୟନରେ ଧ୍ବନିବିଜ୍ଞାନର ଆବଶ୍ୟକତା ଉଦାହରଣ ସହ ଆଲୋଚନା କର ।
4. ମାଧ୍ୟମିକ ସ୍ତରରେ ଓଡ଼ିଆ ଗଦ୍ୟ ଶିକ୍ଷାଦାନର ଉଦ୍ଦେଶ୍ୟ ଓ ପ୍ରଣାଳୀ ବର୍ଣ୍ଣନା କର ।
5. ମାତୃଭାଷା ଶିକ୍ଷାଦାନରେ ଆଧୁନିକ ପଦ୍ଧତିର ଆବଶ୍ୟକତା ଓ ଗୁରୁତ୍ବ ଆଲୋଚନା କର ।

Section – B

Answer any three questions of the following :

8×3 = 24

6. କଥିତ ଓ ଲିଖିତଭାଷା ମଧ୍ୟରେ ଥିବା ପାର୍ଥକ୍ୟ ଉଦାହରଣ ସହ ବୁଝାଅ ।
7. ମାଧ୍ୟମିକ ସ୍ତରରେ ବ୍ୟାକରଣ ଶିକ୍ଷାଦାନର ଲକ୍ଷ୍ୟ ଓ ଉଦ୍ଦେଶ୍ୟ ଉଲ୍ଲେଖ କର ।
8. ପ୍ରାଥମିକ ସ୍ତରରେ ଓଡ଼ିଆ ପଦ୍ୟ ଶିକ୍ଷାଦାନର ପ୍ରଣାଳୀ ବର୍ଣ୍ଣନା କର ।
9. ଜ୍ଞାତାପଦ୍ଧତିର ଉପକାରିତା ଓ ଅପକାରିତା ସମ୍ବନ୍ଧରେ ଆଲୋଚନା କର ।
10. ବରକର୍ମ ପଦ୍ଧତିର ଦୋଷଦୁର୍ଗତି ସମ୍ବନ୍ଧରେ ଆଲୋଚନା କର ।

Section – C

Write short notes on any two of the following :

5×2 = 10

11. ବ୍ୟାବହାରିକ ବ୍ୟାକରଣ

12. ଲିଖନ ଶିକ୍ଷାଦାନର କୌଶଳ
13. ପ୍ରକଳ୍ପ ପଦ୍ଧତି
14. ଦୃଶ୍ୟ ଓ ଶ୍ରାବ୍ୟ ଉପକରଣର ପ୍ରୟୋଜନୀୟତା

Group – D

Modern Trends in Methods of Teaching Theory (History)

Section – A

Answer any **three** questions of the following :

12×3 = 36

1. Discuss the meaning, nature and scope of History.
2. Discuss the aims and objectives of teaching History at the secondary stage.
3. Differentiate between chronological and concentric approaches of organising History syllabus.

4. Discuss Dramatization as a method of teaching History. What are the advantages of this method ?
5. What is international understanding ? How can it be developed through teaching of History ?

Section – B

Answer any **three** questions of the following :

8×3 = 24

6. Discuss the values of teaching History.
7. Discuss the biographical method of organising facts in history. What are its merits ?
8. Discuss the advantages and limitations of Project method in teaching History.
9. Discuss the place of current affairs in the teaching of History.
10. What is a lesson plan ? What are the advantages of lesson plan in History ?

Section – C

Write short notes on any **two** of the following :

5×2 = 10

11. Topical Approach of teaching History
12. Source method of teaching History
13. Teachers' Guidebooks
14. Importance of objective type test in History

Group – E

Modern Trends in Methods of Teaching Theory (Geography)

Section – A

Answer any **three** questions of the following :

12×3 = 36

1. Define modern concept of Geography. Discuss its nature and scope.
2. What is a Project ? What are its principles ? Write the merits and demerits of Project method.

3. Prepare an outline of a lesson plan on Geography for class IX students.

4. Discuss the importance of Visual Aids in Teaching Geography.

5. Explain the importance of Field Trip. Write the steps of organisation of Field Trip.

Section – B

Answer any **three** questions of the following :

8×3 = 24

6. What are the objectives of Teaching Geography at the secondary stage ?

7. Differentiate between Direct and Indirect observation method of Teaching Geography.

8. Discuss the educational value of Geography museum in a school.

9. Discuss the qualities of a good Geography textbook.

10. Explain the significance of Field excursions in introducing Regional Geography.

Section – C

Write short notes on any **two** of the following :

5×2 = 10

11. Laboratory method of Teaching Geography
12. Workbook
13. Preparation of Scheme of Lessons
14. Film Projector as a Teaching Aid of Geography

Group – F

Modern Trends in Methods of Teaching Theory (English)

Section – A

Answer any **three** questions of the following :

12×3 = 36

1. Discuss the reasons for which study of English language is compulsory at secondary level.

2. Critically examine the aims and objectives of teaching English in India.

3. What are the objectives of teaching poetry ?
Discuss the various steps followed in teaching poetry in secondary school.

4. State the importance of listening in language acquisition ? Explain how students can be taught to attain mastery over the skill of listening and speaking.

5. What are the steps followed in planning a lesson ? Justify the academic significance of each step.

Section – B

Answer any **three** questions of the following :

8×3 = 24

6. What is translation method in teaching English ?
Discuss its merits and demerits.

7. Illustrate the principles of structural approach.
8. Discuss the special role of audio-visual aids in teaching English.
9. Distinguish between formal and functional grammar. How will you teach grammar ?
10. What is composition ? How can you help your pupils to produce good oral composition ?

Section – C

Answer any **two** questions of the following :

$5 \times 2 = 10$

11. Write short notes on the following :
 - (a) Importance of diagnostic test in language
 - (b) Objective type test
12. Differentiate between guided composition and free composition.

13. Briefly write the methods of textbook analysis in English.
14. Discuss the different causes of wrong pronunciation in English.



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Answer as directed in each Section.

Section – A

Answer any **three** questions in 700-1000 words each :

12×3 = 36

1. Define Educational Technology. Discuss its nature and scope.
2. Describe Hardware and Software Approach to Educational Technology. What are the principles of selecting Hardware and Software materials ?
3. What is communication process ? List its main principles. What are the major barriers to communication process ?
4. Define educational objectives. Describe, in detail, Bloom's Taxonomy.
5. Define Levels of Teaching. Discuss in detail different levels of Teaching.

Section – B

Answer any **three** questions in 400-500 words each :

8×3 = 24

6. Explain the different aspects of Educational Technology.
7. What do you mean by Instructional Technology ? Mention its characteristics.
8. Explain Interaction Analysis. Discuss Flander's Interaction Analysis System.
9. Discuss the Research Problems in Educational Technology.
10. Discuss the role of Educational Technology in Distance Education.

Section – C

Write on any **two** of the following in 150-200 words each :

5×2 = 10

11. Components of Educational Technology
12. Task Analysis
13. Micro-Teaching
14. Teaching Machine



2014

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Answer as directed in each Section.

Section – A

Answer any **three** questions from the following :

12×3 = 36

1. Differentiate between basic and action research.
Describe the distinctive features of Action research.
2. Discuss the nature and scope of educational research.
3. Discuss and differentiate qualitative and quantitative research.

4. What is meant by hypothesis ? State how the hypotheses are tested ?
5. What is a research proposal ? Describe the procedure used in the preparation of a research proposal.

Section – B

Answer any three questions from the following :

8×3 = 24

6. Explain by giving examples, the primary and secondary sources of data.
7. Describe the essential characteristics of experimental research.
8. Describe the nature of comparative research.
9. Explain the importance of random sampling.
10. What is multiple correlation ? Describe its characteristics and applications.

Section – C

Answer any two questions from the following :

5×2 = 10

11. Write short notes on the following :
 - (a) Type I and Type II error
 - (b) Quantitative and qualitative research

12. Distinguish between Sample and Population.
13. Write the steps in the construction of Questionnaire.
14. Explain what is meant by the term "Representative Sample".



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Answer as directed in each Section.

Section – A

Answer any **three** questions from the following :

12×3 = 36

1. Define educational management. Discuss the nature of educational management.
2. Discuss the functions of educational administration.
3. Discuss the structure and functions of SCERT, Odisha.

4. Describe the different techniques of Supervision.
5. What are the sources of income of an educational institution ? Discuss their role in school management.

Section – B

Answer any **three** questions from the following :

8×3 = 24

6. Discuss the evolution of concept of management in education.
7. Define educational administration. State the difference between general and educational administration.
8. Discuss the role of Central Government in the field of education.
9. Discuss the functions of Local Bodies at the state level.
10. Explain the administrative organisation of education in Punjab.

Section – C

Write short notes on any **two** of the following :

5×2 = 10

11. Scope of Educational Management.
12. National Council of Educational Research and Training.
13. Role of Private Agencies in education.
14. Educational Supervision and human relations.



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Answer as directed in each Section.

Section – A

Answer any **three** questions of the following :

1. Differentiate between comparative education and comparative study. Discuss the purpose and scope of comparative education in the present education scenario. 4+4+4 = 12
2. Describe the importance of any three factors of comparative education. How national unity is related with national system of education ?
Explain with suitable example. 6+6 = 12

3. Why did secondary education become important for the American people ? Describe the similarities and differences in secondary education system in USA and India. 4+4+4 = 12
4. Describe contemporary system of distance education in India with reference to counselling method, curriculum, examination and evaluation. 3+3+3+3 = 12

5. "The condition of teacher education is satisfactory in USA." Comment on this statement. 12

Section – B

Answer any **three** questions of the following :

6. Explain the major concepts of comparative education in the light of its need and significance in India. 8
7. Describe historical approach and its uses in comparative study. 4+4 = 8

8. Enumerate the similarities and differences between USA and Indian primary education. 4+4 = 8

9. Describe the development of distance education in U K. 8
10. Write an essay on teacher's status and condition in U K. 8

Section – C

Write short notes on any **two** of the following :

11. Importance of Problem approach in comparative study. 5
12. Higher education in India and U K. 5
13. Language problem in India. 5
14. Population education in USA and India 5

