

**6020201**

B.Ed. DEGREE EXAMINATION, JULY 2023.

Second Year – Non-Semester

Education

SCHOOL MANAGEMENT

(From 2015 – 16 onwards)

Time : Three hours

Maximum : 80 marks

PART A — (2 × 10 = 20 marks)

Answer ALL the questions.

1. (a) Present on the infrastructure facilities required for an ideal secondary school.

Or

- (b) Attempt on the recommendations of various commissions on teacher and school management.

2. (a) Draw an essay on inspection and supervision in schools.

Or

- (b) Discuss the objectives and the role of SSA and RMSA in promoting school education.

PART B — (8 × 5 = 40 marks)

Answer any EIGHT questions.

3. Explain the administrative structure of education in India.
4. Give the importance and components of school plant.
5. State the need for maintaining standard in schools.
6. Write short notes on professional growth of a teacher.
7. Enlist the essentials of classroom management.
8. Describe the role of National Green Corps in an institution.
9. Mention the need and importance of PTA.
10. Give an account on child right.
11. Portray the duties of an effective supervisor.
12. Give your opinion on village education committees.
13. Enumerate the need for budgeting in schools.
14. Expound the advantages of school complex.

PART C — (10 × 2 = 20 marks)

Answer ALL questions.

15. Define: School management.
16. Give the concept of school.
17. Write the significance of INSET.
18. Expand DISE.
19. What do you understand by group dynamics?
20. State the relationship between school and community.
21. What do you mean by democratic education?
22. Write a note on symposia.
23. List the benefits of school assembly.
24. What do you meant by action research?

**6020203**

B.Ed. DEGREE EXAMINATION, JULY 2023.

Second Year – Non-Semester

Education

ASSESSMENT FOR LEARNING

(From 2015-16 onwards)

Time : Three hours

Maximum : 80 marks

PART A — (2 × 10 = 20 marks)

Answer ALL the questions.

1. (a) Elaborate Continuous and Comprehensive Evaluation.

Or

- (b) Write two educational objectives of your own interest with respect to cognitive domain.

2. (a) Portray any five tools for evaluation.

Or

- (b) Explain Socio-metric technique.

PART B — (8 × 5 = 40 marks)

Answer any EIGHT Questions.

3. Differentiate Norm Referenced Test and Criterion Referenced Test.
4. List out the benefits of learning outcomes with respect to learners and teachers.
5. Explain non-measurable learning objectives with an example.
6. Compare : Assessment for leaning and Assessment of Learning.
7. Elucidate the grading system in evaluation.
8. Describe different types of interview.
9. Write the qualities of a good test.
10. 'Feedback as an essential component of assessment' — Justify.
11. List down the advantages and disadvantages of teacher made test.

12. What are the uses of interaction analysis for teacher assessment in classroom teaching?
13. Sketch the process of standardized test.
14. Classify the kinds of objective type tests.

PART C — (10 × 2 = 20 marks)

Answer ALL the questions.

15. Define – Evaluation.
16. What is level of performance?
17. Why is progress report important?
18. What is the requirement for recording?
19. What is numerical rating scale?
20. Write down the different types of norm.
21. Write any two properties of normal distribution.
22. What is correlation coefficient?
23. What is the need for finding reliability?
24. Write the uses of students ratings of teaching effectiveness.

**6020202**

B.Ed. DEGREE EXAMINATION, JULY 2023.

Second Year – Non Semester

Education

CREATING AN INCLUSIVE SCHOOL

(Half Course)

(From 2015 – 16 onwards)

Time : Two hours

Maximum : 40 marks

PART A — (1 × 10 = 10 marks)

Answer any ONE question in not more than  
500 words each.

1. Discuss the principles and the present situation of  
the special education in India.

2. Explain the types of learning disabilities and  
discuss each one of them in detail.

PART B — (5 × 4 = 20 marks)

Answer any FIVE questions in not more than  
200 words each.

3. Explain the Special Educational Needs and  
Disability Act 2001.

4. Mention the characteristics of special education.

5. Discuss the need of awareness among public  
regarding Autism.

6. Bring out the strategies to introduce special  
education at schools, colleges and teacher  
education institutions.

7. Write the role of parent, peers, community and  
teachers in the inclusion of special education.

8. Explain NRT and CRT assessment methods.

9. Discuss the challenges faced and the national level  
of practices in implementing inclusive education.

10. Explain Wang's Adoptive Environment model.

PART C — (5 × 2 = 10 marks)

Answer ALL the questions.

11. Explain ADHD.

12. Define special education.

13. List all the types of learning disabilities.

14. Give a light on the rights of persons with  
disabilities.

15. Brief on SAALE model.

**6020226**

B.Ed. DEGREE EXAMINATION, JULY 2023.

Second Year – Non–Semester

Education

OPTIONAL – ENVIRONMENTAL EDUCATION  
(Half Course)

(From 2015–16 onwards)

Time : Two hours

Maximum : 40 marks

PART A — (1 × 10 = 10 marks)

Answer any ONE questions in not more than 500 words.

1. Discuss the structure, types and functions of ecosystem with suitable example.
2. Elucidate the prevention and control measures of air and noise pollution.

PART B — (5 × 4 = 20 marks)

Answer any FIVE questions, in not more than 200 words each.

3. Trace out the scope of environmental education.
4. Comment on Forest and Wild life conservation Act

5. Discuss the various effects of Global warming with suitable example.
  6. Critically analyse the Bio-geochemical Cycle.
  7. Critically evaluate the significance of CHIPKO movement.
  8. Critically comment on the conservation of Biodiversity.
  9. As a teacher how will you develop the positive attitude among your students to protect the environment.
  10. State the objectives of Environmental Education at primary and secondary level.
  14. Critically comment on the term 'Environmental Ethics'.
  15. List out the causes of Deforestation.
- 

PART C — (5 × 2 = 10 marks)

Answer ALL the questions, in 50 words each.

11. What do you mean by Environmental Education?
12. Briefly explain energy and its flow in ecosystem.
13. Trace out the importance of Hot spots in India?

18. Give a word example each for the following categories of consonant clusters :
- Initial consonant clusters – Two consonants
  - Initial consonant clusters – Three consonants
  - Final consonant clusters – Three consonants
  - Final consonant clusters – Four consonants
19. Why is Intonation essential in speech? Is it to be tried for or does it happen automatically?
20. Give four phobia words with their meaning.
21. Decipher the following words in phonemic form :
- /kɒmpri'hensəbl/
  - /əb'dʒekt/
  - /sʌmθɪŋ/
  - /æbsə'lu:tli/
22. Do Discourse and Judgement skills have any bearing on skills of writing? If so or if not, why?
23. Can curriculum design be arbitrary by being decided by a team constituted or should it be preceded by elicitation of opinion from subject-handlers concerned? Which can be more representative?
24. How can video-clips be inspirational in English language teaching?

**6020218**

B.Ed. DEGREE EXAMINATION,  
JULY 2023.

Second Year — Non-Semester  
Education

PEDAGOGY OF ENGLISH II – Part 2

(From 2015-16 onwards)

Time : Three hours

Maximum : 80 marks

PART A — (2 × 10 = 20 marks)

Answer the following.

- (a) Explain the steps to be taken to prepare a lesson plan for teaching English grammar.

Or

- Seeking recourse to the Text Book of English phonetics for Indian students (by Balasubramaniam. T), describe the concept of General Indian English.

- (a) Elaborate on the challenges involved in teaching the English language in India.

Or

- Usually Remedial Teaching is done after the class hours. How far is this assimilable by students, particularly in the context of their mental fatigue?



PART B — (8 × 5 = 40 marks)

Answer any EIGHT questions.

3. Distinguish between formal and functional grammar.
4. Describe the process involved in correction of an English composition work.
5. What is Communicative approach in English language teaching?
6. Inform on RP.
7. Teaching vocabulary in English cannot be fast nor can it be slow, for it would consume more time to the detriment of leaving portions unfinished. In this situation, how can vocabulary be taught involving more work from learners?
8. Explain how Ear Training and Repetition are involved in Dictation.
9. How do Note-Making, Note-taking and summarizing help a student in the learning process?
10. How can teachers' difficulties in managing students of different mental capabilities, be alleviated?
11. How should an English Textbook be, quality-wise?

12. What are the advantages of Continuous Assessment, if done objectively?
13. How will you teach the following words which have connectedness with our everyday life?
  - (a) halitosis
  - (b) Utopia
  - (c) phobia
  - (d) mania
14. Mark the accent of the following words in their phonetically transcribed form as verbs :
  - (a) export
  - (b) present
  - (c) desert
  - (d) absent
  - (e) permit

PART C — (10 × 2 = 20 marks)

Answer ALL questions.

15. What is Deductive method in teaching English grammar?
16. Inform on Guided composition.
17. Define Eclectic approach in English language teaching.

23. மொழியும் அடையாளமும் எவ்வாறு ஒன்றுடன் ஒன்று தொடர்பு கொண்டுள்ளன?

24. திட்டவிலக்கம் என்றால் என்ன?

**6020217**

B.Ed. DEGREE EXAMINATION, JULY 2023.

Second Year– Non-Semester

Education

PEDAGOGY OF TAMIL II – PART 2

(From 2015-2016 onwards)

Time : Three hours

Maximum : 80 marks

பகுதி அ — (2 × 10 = 20 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளிக்கவும்

1. (அ) வல்லினம் மிகும், மற்றும் வல்லினம் மிகா இடங்களைப் பற்றித் தொகுத்துரைக்க.  
(அல்லது)  
(ஆ) வாய்மொழிக் கட்டுரை என்றால் என்ன? கட்டுரையின் வகைகளையும், வாய்மொழிக் கட்டுரைக்கும், எழுத்துக் கட்டுரைக்கும் இடையேயுள்ள வேறுபாடுகளை விவரி.
2. (அ) மாணவர்களிடையே படைப்பாற்றல் திறனை வளர்ப்பதற்கு கதை, கட்டுரை, இலக்கிய மன்றங்கள், ஆண்டுமலர் மற்றும் வினாடிவினா எவ்வாறு உதவுகின்றன?  
(அல்லது)  
(ஆ) மதிப்பீடு என்றால் என்ன? நல்ல தேர்வின் நற்பண்புகளை விவரிக்க.

பகுதி ஆ — (8 × 5 = 40 மதிப்பெண்கள்)

எவையேனும் எட்டு வினாக்களுக்கு விடையளிக்கவும்.

3. தேசிய கல்விக்கொள்கையின் குறிக்கோள்களை விளக்குக.
4. ஆசிரியரால் தயாரிக்கப்பட்ட தேர்வுகள் அமையும் விதத்தினை விவரி.
5. பிரச்சினை தீர்க்கும் முறையை விவரித்து அதன் நிறை, குறைகளை ஆராய்க.
6. பாடநூலின் அகத்தோற்றம் எவ்வாறு அமைதல் வேண்டும்?
7. மடல் என்றால் என்ன? அதன் வகைகளைப் பற்றி விவரி.
8. சிதறல் அளவைகள் என்றால் என்ன? விவரிக்க.
9. கட்டுரை எழுதும்போது மேற்கோள்களை எவ்வாறு பயன்படுத்துதல் வேண்டும்?
10. வினாத்தாள் வடிவமைப்பு எவ்வாறு அமைதல் வேண்டும்?
11. தனிமைப்படுத்திக் கற்றலை எவ்வாறு தமிழ் கற்பித்தலுக்குப் பயன்படுத்துவாய்?
12. ஆய்வின் வகைகளைப் பற்றிச் சுருக்கமாக விவரி.

13. குறைதீர்ப் பயிற்சிகளை எவ்வாறு மாணவர்களுக்கு வழங்குவாய்?
14. மொழிப்பயிற்றாய்வுக் கூடத்தின் அமைப்பினைப் பற்றி விளக்குக.

பகுதி இ — (10 × 2 = 20 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளிக்கவும்.

15. மையப்போக்கு அளவைகள் என்றால் என்ன?
16. பத்துவகை நூற்குற்றங்களைப் பட்டியலிடுக.
17. கட்டுரை எழுதுதலில் பழமொழியின் பயன்பாடு யாது?
18. பயன்படுத்தும் சொற்களஞ்சியம் என்றால் என்ன?
19. மொழிப்பயிற்சிக்கு எவ்வாறு அகராதி பயன்படுகின்றது?
20. ஆய்வின் இயல்புகள் இரண்டினைக் குறிப்பிடுக.
21. வளர்நிலை மதிப்பீடு-சிறுகுறிப்பு எழுதுக.
22. வினாவங்கியின் பயன்கள் யாவை?

**6020204**

B.Ed. DEGREE EXAMINATION,  
JULY 2023.

Second Year – Non-Semester

Education

PEDAGOGY OF TAMIL I – PART 2

(From 2015-16 onwards)

Time : Three hours

Maximum : 80 marks

பகுதி அ — (2 × 10 = 20 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளிக்கவும்.

1. (அ) துணைக் கருவிகளின் வகைகளை விளக்கி, அவற்றின் பயன்களை எழுதுக.

(அல்லது)

- (ஆ) பாரதியார் மற்றும் பாரதிதாசனின் கல்விச் சிந்தனைகளை விளக்கி அவற்றை ஒப்பிடுக.

2. (அ) ஐவகை இலக்கணம் பற்றி விரிவாக விவரி.

(அல்லது)

- (ஆ) மொழிக்கற்பித்தலில் கணிப்பொறியின் பங்கினை விவரி.

பகுதி ஆ — (8 × 5 = 40 மதிப்பெண்கள்)

எவையேனும் எட்டு வினாக்களுக்கு விடையளிக்கவும்.

3. பாடத்திட்டம், பாட ஏற்பாடு ஆகியவற்றிற்கிடையேயான தொடர்பினை விவரி.
4. மாணவர்களின் பின்புலம் குறித்து எவ்வாறு அறியலாம் என்பதை விளக்குக.
5. சிறுவர் இலக்கியத்தின் மூலம் பெறப்படும் கருத்துக்களை விவரி.
6. திறனாய்வின் வகைகள் ஏதேனும் ஐந்தினை விவரி.
7. திருவள்ளூர் உலகிற்கு உணர்த்தும் கல்விச் சிந்தனைகளை விவரி.
8. திரு.வி.க வின் உரைநடைச் சிறப்புகளை விவரி.
9. ஓலைச் சுவடிகள் மூலம் பெறப்படும் தமிழ் வரலாற்று மூலங்களை விவரி.
10. செயற்கைக்கோள் வழி மொழிக்கற்றலை விளக்குக.
11. பதிப்புத்துறையில் கணினியின் பங்களிப்பினை விவரி.
12. இந்தியப் பெண்ணிய வரலாற்றினை விளக்குக.
13. மொழிப்பயிற்றாய்வுக் கூடத்தின் அமைப்பு முறையை விளக்குக.
14. விதி வருமுறையை எடுத்துக்காட்டுடன் விளக்குக.

பகுதி இ — (10 × 2 = 20 மதிப்பெண்கள்)

அனைத்து வினாக்களுக்கும் விடையளிக்கவும்.

15. பாடத்திட்டம் என்பதன் பொருள் யாது?
16. பாடக்கற்பிப்புக் குறிப்பு என்றால் என்ன?
17. புலம்பெயர் இலக்கியம் என்றால் என்ன?
18. திறனாய்வு என்றால் என்ன?
19. கவிமணி தேசிய விநாயகம் பற்றி குறிப்பு வரைக.
20. அறிஞர் அண்ணா எழுதிய உரைநடை நூல்களைக் குறிப்பிடுக.
21. பொருள்கோள் என்றால் என்ன? அதன் வகைகளை எழுதுக.
22. செப்பேடுகள் பற்றிக் குறிப்பு வரைக.
23. பல்லாடகம் என்றால் என்ன?
24. விண்ணரங்கம் என்றால் என்ன?

20. What is the role of Educational Research and Innovation Committee?
  21. What do you know about blended learning?
  22. What are the strategies you will adopt to involve diversified learners in teaching learning process?
  23. Mention the importance of reflective practice.
  24. What are the performance based assessment techniques?
- 

**6020212**

B.Ed. DEGREE EXAMINATION,  
JULY 2023.

Second Year – Non- Semester  
Education

PEDAGOGY OF BIOLOGICAL SCIENCE – PART –2  
(From 2015 - 2016 onwards)

Time : Three hours

Maximum : 80 marks

PART A — (2 × 10 = 20 marks)

Answer ALL the questions.

1. (a) Discuss the implications of experiential learning and community engagement.

Or

- (b) Discuss the common accidents that would occur in a biology laboratory and the suggested first aid to be given in each case.

2. (a) Explain the various ICT resources used in teaching of Biological Science.

Or

- (b) Justify teacher as a researcher and as a community of learners with reference to the professional qualities of a science teacher.

PART B — (8 × 5 = 40 marks)

Answer any EIGHT questions.

3. Describe the collaborative approach in learning biological science.
4. Write down the advantages of arranging field visit to botanical garden.
5. Highlight the significance of non-machine operated aids in teaching of science.
6. Elucidate the purpose for maintaining registers in biology laboratory.
7. Explain the organization of practical work in biology laboratory.
8. Examine the status of science educational research in the present context.
9. Describe the effectiveness of social networking in learning biological science.

10. Explain action research in biological science.
11. How will you identify the diverse learners in your classroom?
12. Describe the procedure in construction of test items.
13. Explain Edgar Dale's Cone of Experience.
14. Discuss the importance of practical record work in biology.

PART C — (10 × 2 = 20 marks)

Answer ALL questions.

15. What is expository approach in learning biological science?
16. Comment on the use of community based learning resources in teaching of science.
17. State the uses of educational games in learning biological science.
18. Write a note on the practical ethics to be followed in a biology laboratory.
19. List the common problems in conducting biology practical work.

**6020213**

B.Ed. DEGREE EXAMINATION,  
JULY 2023.

Second Year — Non-Semester

Education

PEDAGOGY OF SOCIAL SCIENCE — PART-II

(From 2015-2016 onwards)

Time : Three hours

Maximum : 80 marks

SECTION A — (2 × 10 = 20 marks)

Answer BOTH the questions.

1. (a) Critically analyze various reforms in social science curriculum at secondary education level.

Or

- (b) Discuss any two models of teaching and its advantages.

2. (a) Elucidate various co-curricular activities in social science with suitable illustration.

Or

- (b) As a teacher how do you design and manage the social science laboratory?



SECTION B — (8 × 5 = 40 marks)

Answer any EIGHT questions.

3. Explain types of curriculum with suitable example.
4. Analyse the selection of content and organization of the social science curriculum.
5. Bring out the role of teacher in curriculum implementation and evaluation?
6. Explain the concentric and spiral approaches of curriculum development?
7. Discuss the Jurisprudence model of Inquiry.
8. List out the advantages of e-learning.
9. Critically analyse the profile of a competent social science teacher.
10. Enumerate the qualities of good social science text book.
11. As a teacher how do you conduct social science exhibition?
12. Give an account of relevance of remedial teaching.
13. Mention the types of text book with suitable illustration.
14. Critically valuate the attitude for professional development of social science teachers.

SECTION C — (10 × 2 = 20 marks)

Answer ALL the questions.

15. State the importance of curriculum in social science education.
16. What is integrated curriculum?
17. List out the adavantages of internet in social science teaching.
18. What are the criteria for evaluation of social science text book.
19. What is critical thinking?
20. What is mean by diagnostic test?
21. Bring out the uses of social science club.
22. What is panel discussion?
23. Mention any two professional bodies of social sciences.
24. Highlight the salient features of NCFW-2005.

**6020211**

B.Ed. DEGREE EXAMINATION, JULY 2023.

Second Year – Non-Semester

Education

PEDAGOGY OF PHYSICAL SCIENCE – PART II

(From 2015-16 onwards)

Time : Three hours

Maximum : 80 marks

PART A — (2 × 10 = 20 marks)

Answer ALL the questions.

1. (a) Elucidate the principles and approaches of curriculum construction in physical science.

Or

- (b) Highlight the role of teachers in physical science teaching.

2. (a) As a teacher, how do you utilize multimedia in teaching of physical science?

Or

- (b) 'Laboratory as a learning resource' – Justify.

PART B — (8 × 5 = 40 marks)

Answer any EIGHT questions.

3. How do you construct an achievement test in physical science?
4. As a teacher, how do you plan classroom teaching-learning experiences?
5. How to motivate your students to involve scientific activities in the classroom?
6. Bring out the salient features of NCF on science curriculum.
7. Explain the modified Edgar dale cone of experiences.
8. Mention the advantages of science library.
9. List out the uses of field trips.
10. Bring out the safety measures in science laboratory.
11. Give an account of National Talent Search Examination.
12. What are the characteristics of good test?
13. Discuss the continuous and comprehensive evaluation with suitable example.
14. Enlist the professional ethics of a science teacher.

PART C — (10 × 2 = 20 marks)

Answer ALL the questions.

15. What is reflective practice?
16. What do you meant by correlation?
17. What is field diary?
18. Define life skills.
19. List out the uses of first-aid.
20. Mention any two advantages of science club.
21. Expand MOODLE.
22. Give an account of e-books.
23. Differentiate assessment and evaluation.
24. Bring out any two uses of ETV.

**6020205**

B.Ed., DEGREE EXAMINATION, JULY 2023.

Second Year — Non-Semester

Education

PEDAGOGY OF ENGLISH – I – PART –2

(From 2015–16 onwards)

Time : Three hours

Maximum : 80 marks

PART A — (2 × 10 = 20 marks)

Answer the following.

1. (a) How would you differentiate the meaning of 'must', 'should', 'may', 'might' and 'could'? Give a sentence using each and explain how you would teach these aspects.

Or

- (b) Why are "Figures of Speech" called so? (1)

Write a sentence each for metaphor, hyperbole, euphemism, oxymoron, personification and pun. (1½ × 6 = 9)

2. (a) Assuming that the Indian Map has to be taught, how would you give an expose to it your students?

Or

- (b) Do you think that Translation can increase the doer's vocabulary and improve sentence construction? Explain with examples.

PART B — (8 × 5 = 40 marks)

Answer any EIGHT questions.

3. What paradigms are to be taken for analysing a question paper of its propriety?
4. Explain 'Cohesion' and 'Coherence' with an example for each.
5. (a) What is annotated bibliography?  
(b) What are the essentials of 'Summarizing'?
6. How will you teach the meaning of the following idioms?
- (a) fell flat  
(b) came of age  
(c) man of straw  
(d) under the thumb of  
(e) on the market

7. Relieve the following sentences of errors:
- (a) They began their journey.  
(b) Both the husband, wife and son went for a walk.  
(c) A group of six people quarrelled between themselves.  
(d) I and my son went for a para-glyde.  
(e) He went to abroad.
8. Add -c, -ck or -k as would befit the following words:
- (a) wre \_ (b) see \_  
(c) fro \_ (d) froli \_  
(e) coli \_
9. Write a sentence for each of the following :
- (a) greeting (b) Apology  
(c) Refused (d) Invitation  
(e) Acceptance
10. Write a small speech in about 75-100 words on change of climate during June - July, 2021 in Tamil Nadu and Pondicherry.

11. Choose a small poem of about 8 – 10 lines and inform as to how you would teach it.
12. Explain some difficulties in the process of Translation.
13. Elaborate on E-Learning.
14. Has the Library become irrelevant in the context of the web? Explain.

PART C — (10 × 2 = 20 marks)

Answer ALL questions.

15. Write a few sentences comparing the political atmosphere in the USA and China.
16. List the following words as they are done in Dictionaries
  - (a) incomer
  - (b) inaugural
  - (c) inborn
  - (d) inconsistent
  - (e) insensible
  - (f) indigestion
  - (g) interface
  - (h) insert

17. Supply an appropriate verb in each blank :
  - (a) Get onto this horse and see that you don't \_\_\_\_\_ off.
  - (b) His glasses \_\_\_\_\_ off in the struggle.
18. Mention the parts of speech which are not to be much accented in reading a poem.
19. What is Dramatization in classroom communication?
20. Mention two short stories of R.K. Narayan and two poems of Sarojini Naidu.
21. As regards Advertisements, give a sentence each for (a) Disjunctive Grammar and (b) Rhythmic sentence
22. Write a great saying each of two great world personalities. Enclose them in Quotation marks.
23. Write Two sets of sentences – One each in the form of Question and Answer on the difficulties faced in conversing in English.

24. Give the meaning of underlined words :

- (a) He is trying to settle old scores.
  - (b) He shed crocodile tears on the death of his step-brother.
-

**6020210**

B.Ed. DEGREE EXAMINATION, JULY 2023.

Second Year – Non-Semester

Education

PEDAGOGY OF MATHEMATICS – PART 2

(From 2015-16 onwards)

Time : Three hours

Maximum : 80 marks

PART A — (2 × 10 = 20 marks)

Answer ALL the questions.

1. (a) Describe the principles involved in Mathematics curriculum development.

Or

- (b) Critically analyse the Mathematics curriculum at the secondary level based on principles and organization of Mathematics curriculum.

2. (a) Discuss the factors influencing the learning of Mathematics.

Or

- (b) Elaborate the steps involved in the construction of diagnostic test.



PART B — (8 × 5 = 40 marks)

Answer any EIGHT questions.

3. Enumerate the approaches to curriculum development in Mathematics.
4. Give the need and importance of planning and designing instruction in Mathematics.
5. Critically analyse the characteristics of a good mathematics text book.
6. Discuss Gagne's views on problem solving in Mathematics.
7. List out the strategies of Mathematics problem posing.
8. How do you develop creativity among your students?
9. What are the enrichment programmes can be given to gifted children?
10. Describe the types of evaluation.
11. Bring out the importance of quiz and how will you organize it in your class.
12. What is an achievement test? Explain the steps involved in constructing an achievement test in Mathematics.

13. Explain in brief – Measures of Deviation.

14. How do you identify slow learners in Mathematics and give their characteristics?

PART C — (10 × 2 = 20 marks)

Answer ALL the questions.

15. What do you mean by axioms in Mathematics?
16. Mention the importance of Mathematics in school curriculum.
17. Write a short note on Pedagogic Content Knowledge.
18. List out any four uses of Audio-visual aids.
19. Give the educational implications of Discovery learning.
20. List out the characteristics of a good problem.
21. How do you motivate students in learning Mathematics?
22. Who are gifted children in Mathematics?
23. List out the functions of continuous and comprehensive evaluation.
24. Write a short note on Music Mathematics.