



**SYLLABUS**  
**ANNUAL EXAMINATION 2018-19**  
**CLASS – XI**

**English Core**

M.M. : 80                      Time : 3 hrs

**Section A**    Reading                      12 marks  
                  Note Making                      8 marks

**Section B** –Writing Skills & Grammar - 30 marks

1. Notice, Advertisement, Posters
2. Formal Letters :
  - Letter to the Editor
  - Letters to place and cancel orders
  - Letters of enquiry and reply
  - Letter to the School / College authorities
  - Letter of Application
3. Article, Narrative, Report Writing, Speech
4. Grammar – Editing & Omission
5. Re-ordering of sentences
6. Transformation of sentences

**Section C** – Literature – 30 marks

1. Hornbill : English Reader (All Chapters)
2. Snapshots : Supplementary Reader (All Chapters)

**Chemistry :**

**M.M. : 70**

**Time : 3 Hrs**

Unit	Title	Marks
I	Some Basic Concepts of Chemistry	2
II	Structure of atom	6
III	Classification of Elements and Periodicity in Properties	4
IV	Chemical Bonding and Molecular Structure	5
V	States of Matter	5
VI	Thermodynamics	8
VII	Equilibrium	8
VIII	Redox Reactions	6
IX	S – Block Elements	4
X	Some P block elements	4
XI	Organic Chemistry : Some Basic Principles and Techniques	8
XII	Hydrocarbons	8
XIII	Hydrogen	2
	Total	70

1 mark Q. No. 1 to 5  
 2 marks Q. No. 6 to 12  
 3 marks Q. No. 13 to 24  
 5 marks Q. No. 25 to 27  
 Theory – 70 Practical – 30 Total = 100 marks

## Physics :

**M.M. : 70 Time : 3 Hrs**

S.N.	Name of the Unit	Weightage
1	Motion in a Plane	6 marks
2	Laws of Motion	6 marks
3	Work, Energy and Power	6 marks
4	Systems of Particles and Rotational Motion	5 marks
5	Gravitation	8 marks
6	Mechanics of Solids	7 marks
7	Mechanics of Fluids	7 marks
8	Thermodynamics & K.T.G.	10 marks
10	Oscillation	6 marks
11	Waves & Rays Optics	9 marks

Very short answer type questions Q.No. 1 to 5 = 1 mark each  
 Short answer type questions Q.No. 6 to 12 = 2 marks each  
 Short answer type questions Q.No. 13 to 24 = 3 marks each  
 Long answer type questions Q.No. 25 to 27 = 5 marks each

Total No. of questions is twenty six and grand total of marks is 70. There is no overall choice but internal choice will be provided in some question. Weightage of Physics practicals is 30 marks.

## Computer Science (083)

M.M. : 70

Time : 3:00 Hrs

Chapter No.	Chapter Name	Marks(70) M=Q.*M
3	Data Handling	02=2*1
4	Conditional And Iterative Statements	06=3*2
5	String Manipulation	06=3*2
6	Debugging Programs	04=2*2
7	List Manipulation	08=4*2
8	Tuples	02=1*2
9	Dictionaries	02=1*2
10	Understanding Sorting	03=1*3
11	States and Transitions	02=1*2
13	Data Representation	04=1*4
14	Boolean Logic	04=2*2
15	Insight into program Execution	02=1*2
16	Relational Databases	01=1*1
17	Simple Queries in SQL	12=2*6
18	Table Creation and Data Manipulation Commands	
19	Table Joins And Indexes in SQL	
20	Basics of NoSQL Database – MongoDB	02=1*2
21	Cyber Safety	10=5*2
22	Online Access and Computer Security	

## **Biology :**

Time : 3 Hours                      Marks : 70 marks

The weightage of the distribution of marks over different dimensions (subject unit / content) is as follows ;

UNIT I (14 marks)

DIVERSITY IN LIVING WORLD

1. Biological Classification
2. Plant Kingdom
3. Animal Kingdom

UNIT II (15 marks)

STRUCTURAL ORGANIZATION IN ANIMALS AND PLANTS

1. Morphology and Anatomy of Flowering Plants
2. Anatomy of Flowering Plants

UNIT III (10 marks)

CELL : STRUCTURE AND FUNCTIONS

1. Cell : The Unit of Life
2. Biomolecules
3. Cell Cycle and Cell Division

UNIT IV (15 marks)

PLANT PHYSIOLOGY

1. Transport in Plants
2. Minerals Nutrition
3. Photosynthesis in Higher Plants
4. Respiration in Plants
5. Plant Growth and Development

UNIT V (16 MARKS)

HUMAN PHYSIOLOGY

1. Digestion and Absorption
2. Breathing and Exchange of Gases
3. Body Fluids and Circulation
4. Excretory products and Their Elimination
5. Locomotion and Movement
6. Neural Control and Coordination
7. Chemical Coordination and Integration

PRACTICALS 30 Marks

General Instructions

1. Section A contains 5 questions of 1 mark each.
2. Section B has 7 questions of 2 marks each.
3. Section C is of 12 questions of 3 marks each.
4. Section D has 3 questions of 5 marks each.

Total 70 marks (Theory)

Note : I – Theory

Unit I	-	14 marks
Unit II	-	15 marks
Unit III	-	10 marks
Unit IV	-	15 marks
Unit V	-	16 marks

Theory	70 marks
Practical	30 marks

1. Experiments and spotting – 20 marks
2. Project Report + Viva based on project – 5 marks
3. Practical record file and Viva based on experiments – 5 marks

### Mathematics :

**M.M. : 100      Time : 3 Hrs 15 Minutes**

Design of question paper : (Annual Examination 2017-18)

	Name of Chapters	Marks
1	Sets	1
2	Relations and Functions	2
3	Trigonometric Functions	12
4	Principle of Mathematical Induction	04
5	Complex Numbers and Quadratic Equations	06
6	Linear Inequalities	06
7	Permutations and Combinations	06
8	Binomial Theorem	06
9	Sequences and Series	10
10	Straight Lines	10
11	Conic Sections	10
12	Introduction to Three Dimensional Geometry	02
13	Limits and Derivatives	13
14	Mathematical Reasoning	02
15	Statistics	04
16	Probability	06
	Total	100

Type of question	Marks for question	Total number of questions	Total marks
VSA	1	4	4
SA	2	8	16
LA- I	4	11	44
LA – II	6	6	36
Total		29	100

## Geography :

M.M. : 70

Time : 3 Hrs

FUNDAMENTAL OF PHYSICAL GEOGRAPHY	INDIA : PHYSICAL ENVIRONMENT
<ol style="list-style-type: none"><li>1. The Origin and Evolution of the Earth</li><li>2. Interior of the Earth</li><li>3. Distribution of Oceans and Continents</li><li>4. Minerals and Rocks</li><li>5. Geomorphic Processes</li><li>6. Landforms and their Evolution</li><li>7. Composition and Structure of Atmosphere</li><li>8. Solar Radiation, Heat Balance and Temperature</li><li>9. Atmospheric Circulation and Weather Systems</li><li>10. Water in the Atmosphere 98</li><li>11. World Climate and Climate Change</li><li>12. Water (Oceans)</li><li>13. Movements of Ocean Water</li></ol>	<ol style="list-style-type: none"><li>1. India — Location</li><li>2. Structure and Physiography</li><li>3. Drainage System</li><li>4. Climate</li><li>5. Natural Vegetation</li><li>6. Soils</li></ol>

### Marking Scheme

No. Of Questions	Marks	Total Marks
07	01	07
06	03	18
07	05	35
02 (Map)	05	10
		Total = 70

**PRACTICAL:** Project + Viva = 30

## History :

Theory paper – 80 marks  
Project – 20 marks

Time : 3 Hrs

### Section I - (10 marks)

2. Early cities

### Section II (20 marks)

3. An Empire Across three continents  
4. Central Islamic Lands  
5. Nomadic Empires

### Section III (25 marks)

6. The Three Orders  
7. Changing Cultural Traditions  
8. Confrontation of Cultures

### Section – IV (20 marks)

10. Displacing Indigenous People  
11. Paths to Modernization

**Map work – 5 marks (only from section II, III & IV)**

Type of question

	Type of questions	Number of questions (marks)	Total marks
(a)	Very short answers	4 x (2)	08
(b)	Short answers	5 x (4)	20
(c)	Long answers	4 x (8)	32
(d)	Source based question	3 x (5)	15
(e)	Map question	1 x (5)	05
			80

Note : Source based question will not come from Section – I.

**Economics :**

**M.M. : 80**

**Time : 3 Hrs**

Part A : 40 marks

1. Introductory Microeconomics
  2. Introduction : 4 marks
  3. Consumer Equilibrium and Demand – 13 marks
  4. Producer Behaviour and Supply – 13 marks
  5. Forms of Market and Price Determination Under Perfect Competition – 10 marks
- Total 40 marks

Part B : 40 marks

Statistics for Economics

1. Collection, Organisation and Presentation of Data : 13 marks
2. Arithmetic Median, Mean and Mode : 10 marks
3. Measures of Dispersion : 6 marks
4. Measures of Correlation : 6 marks
5. Index Number : 5 marks

Total : 40 marks

**Accountancy :**

**M.M. : 90**

**Time 3:15 Hrs**

S.No.	Chapter	Marks
1	Introduction & Basic Terms	5
2	Theory Base of Accounting	7
3	Recording of Business Transactions (Accounting Equation) Journal, Subsidiary Books, Cash book & Ledger, Bank Reconciliation Statement, Trial Balance	21
4	Rectification	7
5	Depreciation, Provision & Reserve	11
6	Bills of Exchange	9
7	Financial Statement With & Without Adjustments	30
8	Single Entry System	
10	Project	10
		100

Very short type	1 x 6 = 6
Short answer I type	3 x 6 = 18
Short answers II type	4 x 5 = 20
Long I Type	6 x 5 = 30
Long II type	8 x 2 = 16
Total	24 questions 90 marks
Project	10
<b>Total</b>	<b>100</b>

### **Business Studies :**

**M.M. : 90                      Time : 3 Hrs**

Part A	50 marks
1	Nature and Purpose of Business
2	Forms of Business Organisation
3	Public, Private and Global Enterprise
4	Business Services
5	Emerging Modes of Business
6	Social Responsibilities of Business and Business Ethics
Part -B	(40 marks)
6	Sources of Business Finance
7	Small Business
8	Internal Trade
9	International Business I & II
	Grand total (A+ B)

**Design of question paper** (90 marks) + (10 marks Project)

1 mark – Question No. 1 to 8	=	8
3 marks – Question No. 9 to 14	=	18
4 marks – Question No. 15 to 19	=	20
5 marks – Question No. 20 to 23	=	20
6 marks – Question No. 24 to 27	=	24
		90 marks

10 marks – Project File + Viva

### **Fine Art Graphics** (CODE NO - 050)

M.M. : 40                      time : 2 Hrs.

Theory

History of Arts

1. Prehistoric Rock Painting and Art of Indus Valley : 10 marks
2. Buddhist, Jain and Hind Art : 15 marks
3. Temple Sculpture, Bronze and Artistic Aspects of Indo – Islamic Architecture. : 15 marks

Practical :

Relief printing through linocut :

- (a) Layout
  - (b) Subject
  - (c) Print
- 40 marks
1. Portfolio Assessment
- 20 marks

# Informatics Practices (New) (065)

Time : 3 Hrs

MM: 70

Chapter No.	Chapter Name	Marks(70) M=Q.*M
3	Python Fundamentals	02=1*2
4	Data Handling	02=1*2
5	Conditional and Iterative Statements	06=3*2
6	String Manipulation	06=3*2
7	List Manipulation	06=3*2
8	Dictionaries	04=2*2
9	Introducing Python Modules	04=2*2
10	Introducing Python Pandas	08=4*2
11	Python Pandas II- Dataframes and other operations	08=2*4
12	Data Transfer between Files, SQL Databases and Dataframes	04=2*2
13	Relational Databases	10=2*5
14	Simple Queries in SQL	
15	Table Creation and Data Manipulation Commands	
16	Table Joins and Indexes in SQL	
17	Cyber Safety	10=5*2
18	Online Access and Computer Security	

## Psychology :

- (A) Theory : 70 marks
- (B) Project : Classical Conditioning : 10 marks
- (C) Practical File : 10 marks
- (D) Practical : 10 marks

Total 100 marks

Chapter IV : Human Development  
Chapter V : Sensation, Attention and Perceptual Processes  
Chapter VI : Learning  
Chapter VII : Memory  
Chapter VIII: Thinking  
Chapter IX : Motivation and Emotion

Break/up of Theory

Part A – LC            1 x 10        =    10 marks  
Part B – VSA        2 x 6        =    12 marks  
Part C – SAI        3 x 4        =    12 marks  
Part D – SAII       4 x 6        =    24 marks  
Part E – LA         6 x 2        =    12 marks

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70 marks



हिन्दी : पूर्णांक 100 समय 3 घण्टे

खण्ड – क अपठित बोध (16 अंक)

अपठित गद्यांश (10) अंक  
अपठित काव्यांश (6) अंक

खण्ड – ख कार्यालयी हिंदी और रचनात्मक लेखन 20 अंक

निबंध (विकल्प सहित) (8)  
कार्यालयी पत्र (विकल्प सहित) (5)

जनसंचार माध्यम और पत्रकारिता के विविध आयामों पर लघूत्तरात्मक चार प्रश्न (4)  
फीचर, रिपोर्ट, आलेख (विकल्प सहित) (3)

खण्ड – ग

(1) आरोह भाग – 1 (32)

(अ) काव्य भाग

दो काव्यांशों में से किसी एक काव्यांश पर अर्थग्रहण से संबंधित तीन प्रश्न (06)  
एक काव्यांश के सौंदर्यबोध पर तीन प्रश्न (06)  
कविताओं की विषय-वस्तु पर आधारित तीन में से दो लघूत्तरात्मक प्रश्न (4)

(ब) गद्य भाग

गद्यांश पर आधारित अर्थग्रहण संबंधित चार प्रश्न (2 x 3) (1 x 1) = 7  
पाठों की विषय वस्तु पर आधारित चार में से तीन प्रश्न (3 x 3)

(2) वितान भाग – 1

पाठों की विषय-वस्तु पर आधारित दो में से एक प्रश्न (4x1=4)  
विषय-वस्तु पर आधारित तीन में से दो निबंधात्मक प्रश्न (4x2=8)

खण्ड 'ग' साहित्य का पाठ्यक्रम

पाठ 5 घर की याद – भवानी प्रसाद मिश्र  
पाठ 6 चंपा काले काले अच्छर नहीं चिन्हती – त्रिलोचन  
पाठ 7 गजल – दुष्यंत कुमार  
पाठ 8 (1) हे भूख ! मत मचल – अक्क महादेवी  
(2) हे मेरे जूही के फूल जैसे ईश्वर  
पाठ 9 सबसे खतरनाक – अवतार सिंह पाश  
पाठ 10 आओ, मिलकर बचाएँ – निर्मला पुतुल  
पाठ 6 स्पीति में बारिश – कृष्णनाथ  
पाठ 7 रजनी – मन्नू भंडारी  
पाठ 8 जामुन का पेड़ – कृष्णचंदर  
पाठ 9 भारतमाता – जवाहरलाल नेहरू  
पाठ 10 आत्मा का ताप – सैयद हैदर रज़ा

वितान

पाठ 2 राजस्थान की रजत बूँदे

पाठ 3 आलो आँधारि

मौखिक – 10 अंक

भाषण, आशुभाषण, कविता-पाठ, वार्तालाप, घटना सुनाना, परिचय देना, भावानुकूल, संवाद-वाचन  
वाद विवाद

परियोजना – 10 अंक