Question paper Design 2020-21

Class: 12th Subject: Public Administration

Session: 2020-21 Annual/Supplementary

Marks: 80

Books Name:

Time: 2:30 hrs

Weightage to Objectives

Objective	K	U	A	S	Total
Percentage of Marks	60	30	10	00	100
Marks	48	24	08	00	80

2 Weightage to Form of Questions

Form of questions	E	SA	VSA	Objective type	Total
No of Questions	03	05	05	40	53
Marks allotted	15	15	10	40	80
Estimated time	30	45	35	40	150

3 Weightage to content:

	Marks	No of Questions	Total Marks
1 Chief Executive, Union Executive.	16		16
2 Indian Federalism, Supreme Court of India	16		16
3 Union, Public service commission	07		07
4 Union Budget	07		07
5 Recruitment	09		09
6 Training	09		09
7 Panchayati Raj	16		16

4 Scheme of Sections :

A:B:C:D

5 Scheme of Options

Internal Choice in long answer question i.e. essay type in two

questions.

Abbreviations: K(Knowledge of element of language) C(Comprehension) E(Expression) A (Appreciation) E(Essay Type) SA(Short Answer) VSA(Very Short Answer)O(Objective type)

QUESTION PAPER DESIGN.

CLASS- 12 SESSION-	COOLCI THE EDO.	BOOKS-
TIME- 2.30 HO	OURS MARKS- 60	

1 WEIGHTAGE TO OBJECTIVES

OBJECTIVE	K	U	A	S	TOTAL
PERCENTAGE OF MARKS	50	36.67	13.33		100
MARKS	30	22	08		60

2 WEIGHTAGE TO FORM OF QUESTIONS

FORM OF QUESTIONS	E (MARKS)	SA (MARKS)	VSA (MARKS)	OBJECTIVE TYPE (MARKS)	TOTAL
NO. OF QUESTIONS	02	04	04	30	40
MARKS ALLOTED	10	12	08	30	60
ESTIMATED TIMES	50	45	20	35	150

		CONT	

	MARKS	NO. OF QUESTIONS	TOTAL MARKS
Physical Fitness & Wellness	09		09
2. Training Method	07		07
3. Health Education	07		07
4. Athletic Care	06		06
5. Sociological Aspects of Physical Edu.	06		06
6. Family Life Education	07		07
7. Yoga Education	05		05
8. Olympic Movements	04		04
9. National Sports Award	09		09

4.	Scheme of Sections	A:B:C:D
5.	Scheme of Options	Internal Choice in long answer question i.e. essay type in
		two questions

Abbreviations: K (Knowledge), U(Understanding)A(Application) S(Skill) E (Essay Type), SA(Short Answer Type), VSA (Very Short Answer Type), O (Objective Type)

QUESTION PAPER DESIGN

CLASS- 12th SESSION- ANNU	SUBJECT-CPU AL/SUPPLEMENTARY	BOOKS- HBSE
TIME- 2.30 HOURS	MARKS- 40	

1 WEIGHTAGE TO OBJECTIVES

OBJECTIVE	K	U	A	S	TOTAL
PERCENTAGE OF MARKS	50	20	15	15	100
MARKS	20	08	06	06	40

2 WEIGHTAGE TO FORM OF QUESTIONS

FORM OF QUESTIONS	E (04 MARKS)	SA (03 MARKS)	VSA (02 MARKS)	OBJECTIVE TYPE (01 MARKS)	TOTAL
NO. OF QUESTIONS	02	02	03	20	27
MARKS ALLOTED	08	03	06	20	40
ESTIMATED TIMES	40	30	30	50	150

3 WEIGHTAGE TO CONTENT:

	MARKS	NO. OF QUESTIONS	TOTAL MARKS
PROGRAMING IN C++	15	07	15
DATA STUCTURE THROUGH C++	05	04	05
DATA BASE CONCEPTS	05	04	05
CCONCEPTS OF NETWORKING & INTERNAL	10	06	10
HTML	05	06	05

4.	Scheme of Sections
35.50	TOTAL TITLE TO THE CONTRACT OF

A:B:C:D

 Scheme of Options : Internal Choice in long answer question i.e. essay type in two questions.

Abbreviations: K (Knowledge),U(Understanding)A(Application) S(Skill) E (Essay Type), SA(Short Answer Type), VSA (Very Short Answer Type), O (Objective Type)

OUESTION PAPER DESIGN

CLASS- 10+2 SESSION-	SUBJECT- OSS HINDI ANNUAL/SUPPLEMENTARY	BOOKS-
TIME- 2.30 HOU	RS MARKS- 60	

OBJECTIVE	K	U	A	9	TOTAL
PERCENTAGE OF MARKS	50%	50% 20% 10%	20%	100 I	
MARKS	30	12	06	12	60

FORM OF QUESTIONS	E (MARKS)	SA (MARKS)	VSA (MARKS)	OBJECTIVE TYPE (MARKS)	TOTAL
NO. OF QUESTIONS	03	02	06	30	41
MARKS ALLOTED	12	06	12	30	- 41
ESTIMATED TIMES	50	20	30		60
2 WELCITO LON DO C		20	50	50	150

	MARKS	NO. OF QUESTIONS	TOTAL MARKS
(1) कार्यालय लेखन सामग्री—नोट पैड, कार्बन, स्टेपलर, पिन, फाईल कवर, लिफाफे, पैन, पेंसिल, पत्र, पेपर, लेखन सामग्री का अर्थ, महत्त्व, उपयोग, नियन्त्रण। (2) संचार प्रणालियां—टेलिफोन, टेलिफोन पर बात करने का ढंग(आचासंहिता) फैक्स, ई.मेल। (3) तकनीकी संचार सुविधाएं—मोबाईल।	24		24
प्रन्तिम हुक-(छोटा/बँडा) अईकरण-सिद्धान्त हे अर्थ एवं नियम, उपसर्ग, प्रत्यय निर्माण एवं ग्योग। राज्यों, गृह, नक्षत्रों एवं विभागीय गब्दाविलयों के वाक्यांश, सप्ताह के नाम व जेलों के नाम।	20		20
कम्प्यूटर की मौलिकता, (मौलिक भाग) उनका कार्य, कम्प्यूटर की विशेषताएं, Processing Device CPU I MS excel-MS excel क्या है। कार्यालय में क्या उपयोग है। MS excel हैं कार्य का फार्मुला डालना, सैल डालना, सैल हटाना, स्पेलिंग चैक, डाटा भरना, डाटा हटाना गादि।	16		16

4.	Scheme of Sections
5	Cohoma -CO

Scheme of Options

Internal Choice in long answer question i.e. essay type in

two questions.

Abbreviations: K (Knowledge), U(Understanding) A(Application) S(Skill) E (Essay Type), SA(Short Answer Type), VSA (Very Short Answer Type), O (Objective Type)

QUESTION PAPER DESIGN.

CLASS- 10+2 SESSION- ANNU	SUBJECT- OSS Eng JAL/SUPPLEMENTARY	BOOKS-	
TIME- 03: HOURS	MARKS- 60		

1 WEIGHTAGE TO OBJECTIVES

OBJECTIVE	K	U	A	S	TOTAL
PERCENTAGE OF MARKS	50% 20%	10%	20%	100	
MARKS	30	12	06	12	60

2 WEIGHTAGE TO FORM OF QUESTIONS

04 E (MARKS)	03 SA (MARKS)	02 VSA (MARKS)	01 OBJECTIVE TYPE (MARKS)	TOTAL
03	02	06	30	41
12	06	12		60
50	-	30	50	150
	(MARKS) 03 12	(MARKS) (MARKS) 03 02 12 06	(MARKS) (MARKS) (MARKS) 03 02 06 12 06 12	(MARKS) (MARKS) (MARKS) (MARKS) 03 02 06 30 12 06 12 30

3 WEIGHTAGE TO CONTENT:

READING COMPREHENSION- 20 MARKS	MARKS	NO. OF	TOTAL MARKS
		QUESTIONS	
I moniy office, Stationory, Stok Register meeting, Notice, Agenda, Question Telephon directy Post office, guide, Railvoj, Time Topic C.C.T.V, Secretary function, Qualities, Qualification.	24		24
II Consonet vowes R & H, dipthongs Phrareogiaphy good Phsore, Circle, S & Z large circle SS, SW, SZ	20		20
III Computer accosaries as Paint-Brish Calculation note-pad Entertainment Communication, M.S Word. Option of file meny Format meny Insert-Topic Spelling Checck.	16		16

4.	Scheme of Sections	11211	A:B:C:D
5.	Scheme of Options	2	Internal Choice in long answer question i.e. essay type in
			two questions.

Abbreviations: K (Knowledge), U(Understanding)A(Application) S(Skill) E (Essay Type), SA(Short Answer Type), VSA (Very Short Answer Type), O (Objective Type)

QUESTION PAPER DESIGN

CLASS- 12 TH	SUBJECT- Urdu	BOOKS-Gulistan-e-Adal
SESSION- 2020-21	ANNUAL/SUPPLEMENTARY	Khayaban-e-urdu
TIME- 02.30: HOURS	MARKS- 80	

1 WEIGHTAGE TO OBJECTIVES

OBJECTIVE	K	U	A	S	TOTAL
PERCENTAGE OF MARKS	50	31.25	18.75		100
MARKS	40	25	15	***	80

2 WEIGHTAGE TO FORM OF QUESTIONS

FORM OF QUESTIONS	E (5 MARKS)	SA (3 MARKS)	VSA (MARKS)	OBJECTIVE TYPE (40 MARKS)	TOTAL
NO. OF QUESTIONS	05	05		40	50
MARKS ALLOTED	25	15		40	80
ESTIMATED TIMES	55	40		55	150

3 WEIGHTAGE TO CONTENT:

PART-A (60 MARKS)

READING COMPREHENSION- 20MARKS	ZWEID CONTROL OF THE PARTY OF T		
Gulistan-e-Adab	MARKS	NO. OF QUESTIONS	TOTAL MARKS
Gulistane Adab (Pros)-Maktoob Nagari, Tanqeedi Mazameen, Muktasar Afsana, Yadeyan, Aap beeti, Raportaz, Tanz O Mezah, Safarnama, Khaka,	10	02	10
Gulistan-e-adab (Poetry)-Ghazal, Nazam	05	01	05
Khayabane Urdu-Novel, Drama			
Word Meanings	08	08	08
Numbers/Genders	06	06	06
Idioms & Poverbs	03	01	03
Text Book (Objective Questions)	19	19	19
Text Book (Short answer type questions)	09	03	09
Total	60	40	60

PART-B (20 MARKS)

Khayaban-e-Urdu	MARKS	NO. OF QUESTIONS	TOTAL MARKS
Khayaban-e-Urdu: Novel & Drama	05	01	05
Essay/Letter	05	01	05
Text Book (Short answer type questions)	03	01	03
Text Book (Objective Questions)	07	07	07
Total	20	10	20

Grand Total(Part-A+Part-B)	80	50	80

4. Scheme of Sections:

A:B:C:D

5. Scheme of Options:

Internal Choice in long answer question i.e. essay type

in two questions.

QUESTION PAPER DESIGN

CLASS- XII SUBJECT- MATHEMATICS
SESSION- 2020-21 ANNUAL/SUPPLEMENTARY
TIME- 2.30 HOURS MARKS- 80

1 WEIGHTAGE TO OBJECTIVES

OBJECTIVE	K	U	A	S	TOTAL
PERCENTAGE OF MARKS	50	30	10	10	100
MARKS	40	24	08	08	80

2 WEIGHTAGE TO FORM OF QUESTIONS

FORM OF QUESTIONS	E (MARKS)	SA (MARKS)	VSA (MARKS)	OBJECTIVE TYPE (MARKS)	TOTAL
NO. OF QUESTIONS	02	04	96	40	52
MARKS ALLOTED	12	16	12	40	80
ESTIMATED TIMES	30 Minutes	25 Minutes	35 Minutes	60 Minutes	150 Minutes

3 WEIGHTAGE TO CONTENT:

	MARKS	NO. OF QUESTIONS	TOTAL MARKS
I- Relation and Functions	10	10	10
2- Matrix and Determinants	12	7	12
3-Continuity and Differentiability	09	07	09
4- Application of Derivatives	06	03	06
5- Integrals	06	06	06
6- Application of Integrals	06	03	06
7- Differential Equations	04	03	04
8- Probability	09	05	09
9- Vectors	0.5	04	05
10- Three Dimensional Geometry	07	03	07
11- Linear Programming	06	01	06

4.	Scheme of Sections		A:B:C:D
5.	Scheme of Options	2	Internal Choice in long answer question i.e. essay type in
			two questions

6. MCQ:-1x18=18, One Word Answer:-1x12=12, Fill in the blanks:-1x10=10

Abbreviations: K (Knowledge), U(Understanding) A(Application) S(Skill) E (Essay Type), SA(Short Answer Type), VSA (Very Short Answer Type), O (Objective Type

Question paper Design 2020-21

Class: 12th

Subject: Accountancy

Books Name:

Session: 2020-21 Time:

2:30 hrs

Annual/Supplementary

Marks: 60

Weightage to Objectives

Objective	K	U	A	S	Total
Percentage of marks	10	40	50		100
Marks	06	24	30		60

Weightage to Form of Questions

Form of questions	E	SA	VSA	Objective type	Total
No. of Questions	01	01	10	30	42
Marks allotted	06	04	20	30	60
Estimated time	30	20	40	60	150

3 Weightage to content

	Marks	No of Questions	Total Marks
1.Accounting for Not for Profit	02	02	04
Organization	01	01	01
2.Partnership Accounting	02	02	04
	01	06	06
3.Reconstitution of Partnership	06	01	06
(Admission, Retirement)	01	09	09
5 Company Accounting		art-B	
5.Company Accounting	04	01	04
(issue of shares)	02	04	08
	01	07	07
6.Company Accounting (issue	02	02	04
redemption of debentures	01	07	07
1. Computerized Accounting	OR 05	Part-C	05
2. Using Computers Accounting system	06		06
3.Using CAS and DBMS	04		04
4Accounting Using DBMS	08		08
5.Accounting Application of Electronic spread sheets	07		07

4 Scheme of Sections

A:B:C:D

5 Scheme of Options

Internal Choice in long answer question i.e. essay type in one

questions

Abbreviations: K(Knowledge) ,U(Understanding),A(Application) S(Skill)

E(Essay Type), SA(Short Answer), VSA(Very Short Answer), O(Objective type)

Question paper Design 2020-21

Class: 12th

Subject: Punjabi

Annual/Supplementary

Books Name: काव कीरती

शोभा शक्ति

Session: 2020-21 Time:

2:30 hrs

Marks: 80

आधुनिक गद्य रत्नाकर

1 Weightage to Objectives

Objective	K	C	E	A	Total
Percentage of marks	50 -	25	15	10	100
Marks	40	20	14	06	80

2 Weightage to Form of Questions

Form of questions	Е	SA	VSA	Objective type	Total
No. of Questions	03	05	05	40	53
Marks allotted	15	15	10	40	80
Estimated time	35	40	35	40	150

3 Weightage to content:

Part-A(Marks)

	Marks	No of Questions	Total Marks
काव कीरती (सप्रंसग व्याख्या)	03	01	03
काव कीरती (प्रश्न उत्तर)	02	02	04
काव कीरती (प्रश्न उत्तर) MCQ	01	05	05
आधुनिक गद्य रतनाकर (प्रश्न उत्तर)	03	01	03
आधुनिक गद्य रतनाकर (प्रश्न उत्तर)	02	02	04
आधुनिक गद्य रतनाकर (प्रश्न उत्तर) MCQ	01	05	05
शोभा शक्ति (प्रश्न उत्तर)	02	01	02
शोभा शक्ति (प्रश्न उत्तर) MCQ	01	05	05
अपठित गद्यांश	05	01	05
पंजाबी साहित्य का इतिहास (प्रश्न-उत्तर) MCQ	01	05	05

Part-B(Marks)

Writing Section M	Marks					
	Marks	No of Questions	Total Marks			
काव कीरती (सार)	03	01	03			
काव कीरती (प्रश्न उत्तर)	01	05	05			
आधुनिक गद्य रतनाकर (सार)	03	01	03			
आधुनिक गद्य रतनाकर (प्रश्न उत्तर)	01	0.5	05			
शोभा शक्ति (पात्र चित्रण)	05	01	05			
शोभा शक्ति (सार)	03	01	03			
शोभा शक्ति (प्रश्न उत्तर)	01	05	05			
जीवनी (पंजाबी साहित्य का इतिहास)	05	01	05			
पंजाबी साहित्य का इतिहास (प्रश्न उत्तर)	01	05	05			

4 Scheme of Sections

A:B:C:D

5 Scheme of Options

Internal Choice in long answer question i.e. essay type

questions

6 Difficulty level:

Difficult: 10% Marks Average: 40% Marks

Easy : 50% Marks

Abbreviations: K(Knowledge of element of language) C(Comprehension) E(Expression) A (Appreciation) E(Essay Type) SA(Short Answer) VSA(Very Short Answer)O(Objective type)

Class – XII Subject- Physics Syllabus

Month	Name of Book	Chapter & Topics	Teaching Period	Revision	Practical
April	Physics Class 12 th	Unit-1 Electrostatics Chapter-1- Electric Charges Fields Chapter-2- Electrostatic potential & capacitance	22	period 6	7
May	do	Unit-2 Current electricity Unit-3 Magnetic effect of current Chapter-4- Moving charges & Magnetism	14	4 2	14
June		Summer Vacat	ion		
July	do	Unit-3 Magnetic effect of current and magnetism Chapter-5 Magnetism & matter	12	2	7
		Unit-4 Electro magnetic Induction & Alternating current Chapter-6 Electro magnetic Induction	10	2	7
August	do	Unit-4 Electromagnetic Induction & Alternating current Chapter-7 Alternating current Unit-5 Electro magnetic waves	18	6	12
September	do	Unit-6 Optics Chapter-9 Ray optics & optical Instruments	18	2	6
October	do	Unit-6 Optics Chapter- 10 Wave optics Unit-7 Dual nature of matter & radiation	21	3	10
November	do	Unit-8 Atoms & nuclei	22	4	8
December	do	Unit-9 Electronic Devices			8
anuary					
ebruary		Revision & practical Exam			
March		Exam			

Class 12th Subject-Physics Syllabus

Unit: I: Electrostatics:

Chapter No.-One April

Electric Charges and Fields:

Electric charge, conductors and insulators, Charging by conduction and induction, Basic properties of electric charges coulomb's Law-force between two point charges, forces between multiple charges, Superposition principle, Electric field, Electric field due to point charge, Electric field due to system of charges, Electric field lines and their general properties, Electric flux, Electric dipole, Field of an electric dipole on axial and equatorial line, Dipole in a uniform External field, Continuous Charge distribution, Torque on a dipole in Uniform Electric field, Potential Energy of dipole in Electric field. Gauss's of Law, and its application to find field due to infinitely long straight wire, field due to two parallel uniformly charged planesheets.

Chapter No.-Two April

Electrostatic potential and capacitance:

Electrostatic potential, potential due to a point charge, Potential due to an electric dipole and system of charges Equipotential of surfaces, Relation between field and potential, Potential Energy of system of two point charges in an external field, conductors, Electrostatic shielding, Dielectrics and polarization, Capacitors and Capacitance, The Parallel plate Capacitor, Effect of dielectrics on capacitance, Combination of Capacitors in series and in parallel, Energy stored in a capacitor.

Unit : II : Current Electricity:

Chapter No.-Three May

Current Electricity:

Electric Current, Flow of electric charge in a metallic conductor, Drift velocity, Mobility and their relation with Electric Current Ohm's Law, current density, electrical resistance, resistivity and conductivity. VI characteristics, Temperature dependence of resistivity, Electrical energy and power, Combination of resistors-Series and parallel, EMF, Internal resistance of a cell, potential Difference of a cell, Kirchhoff's Rules. Wheatstone Bridge, meter Bridge.

Potentiometer: Principle and its applications to measure potential difference and for comparing EMF of two cells, measurement of internal resistance of a cell.

June Summer Vacation

Unit: III: Magnetic Effects of Current and Magnetism: July Chapter No.-Four

Moving Charges and Magnetism:

Magnetic force; Sources and field, oersted's experiments; concept of Magnetic field, Lorentz force

Magnetic field due to a current Element, Biot- Savart Law and its application to current carrying circular loop on its axis. Ampere's circuital Law and its application to infinitely long straight wire. The Solenoid and the toroid.

Force on moving charge in uniform magnetic and electric fields,

Force on a current carrying conductor in a uniform magnetic field, force between two parallel currents carrying conductors. Definition of ampere. Torque experienced by a current loop in uniform magnetic field. Magnetic dipole, current loop as a magnetic dipole, Magnetic moment of a revolving electron. The moving coil Galvanometer- its current sensitivity, and conversion to ammeter and voltmeter.

Chapter No.-Five

Magnetism and Matter:

The bar magnet, magnetic field lines, Bar magnet as an equivalent solenoid.

Earth" magnetic field, magnetic elements of earth

Unit: IV: Electromagnetic Induction and Alternating Currents:

Chapter No.-Six August

Electromagnetic Induction:

Electromagnetic Induction, Magnetic flux, Faraday" Law of electromagnetic induction, Lenz's Law and conservation of energy, Motional Electromotive force, Eddy currents, -Self and mutual Induction- Self inductance of a long solenoid, A.C. Generator.

Chapter No.-Seven

Alternating Current:

Alternating currents, peak and r.m.s. value of alternating current voltage, reactance and impedance, LC oscillation (qualitalive treatment only), LCR series circuit, Resonance. Power in AC circuits,

Unit: V: Electromagnetic waves:

Chapter No.-Eight August

Electromagnetic waves:

Electromagnetic waves, and Characteristics of EMW, Transverse Nature of EMW(qualitative Ideas only) Electromagnetic Spectrum,(Radio waves, Microwaves, infrared visible, ultraviolet, X-rays, gamma rays). including elementary facts about their uses.

Unit: VI: Optics: September

Chapter No.-Nine

Ray optics and optical instruments:

Ray optics: , refraction of light, lateral shift of a ray refraction through a glass slab, real and apparant depth, Advance Sunrise and delayed sun set due to atmospheric refraction, Total internal reflection, and its applications, Optical fibre,

Mirage, Totally reflecting prism, Brilliancy of diamond, Refraction at convex spherical surfaces. Lenses, Refraction by a lens, Power of a lens, Combination of thin lenses and mirror in contact, lens formula lens maker's formula.

Refraction and Dispersion of light through a prism, Some Natural phenomena due to sunlight- The rainbow.

Optical instruments:- Microscopes and Astronomical telescopes(reflecting and refracting) and their magnifying powers.

Chapter No.-Ten October

Wave optics:

Wave front and Huygen's principle, refraction and reflection of plane waves at a plane surface using Huygens principle. Proof of law of reflection and refraction using Huygen's principle. Interference of light waves. Young's double slit experiment and expression for fringe width, Coherent Sources and sustained Interference of light. Diffraction, Diffraction due to a Single Slit width of Central maxima,

Unit: VII: Dual Nature of Radiation and Matter:

Chapter No.-Eleven

Dual Nature of Radiation and Matter:

Dual Nature of radiation, photoelectric effect, Hertz, Hallwoch's and Lenard's sobservatin's effect of intensity of light on photo current, Effect of potential on photoelectric current, effect of frequency of incident radiation on stopping potential. Einstein's Photoelectric equation- particle Nature of light, photon Matter waves- Wave nature of particle, de Broglic relation,

Unit: VIII: Atoms and nuclei:

Chapter No.-Twelve

Atoms:

Alpha- particle Scattering experiment. Rutherford's Model of atom, Drawbacks of Rutherford's Model. Bohr's Model of hydrogen atom- postulates, Bohar radius, Total Energy of electron in nth orbit. Energy levels of hydrogen atom The line spectra of hydrogen atom.

Chapter No.-Thirteen

Nuclei:

Atomic masses & composition of Nucleus, Size of nucleus isotopes, isobars isotones, Nuclear fission and fusion.

Unit: IX: Electronic Devices:

Chapter No.-Fourteen

Semiconductor Electronics, Materials, Devices & Simple Circuits:

Energy bands in Conductors, Semiconductor & Insulators (Qualitative Ideas only). Semiconductor diode-I-V Characteristics in Forward and reverse bias. Diode as full wave & half wave rectifier Special purpose p-n junction diodes-, LED, Photodiode, Solar Cell