

Assessment Scheme

For Biology 11th Part I Session 2012-13 & ONWARD
Time:3 : 30 hrs Total Marks:- 100

Sr. No	Chapters	Weightage	Distribution of Marks	M.C.Qs				Short Answer Questions				Essay Type Questions				Questions relating to Practicals			
				Allotted Marks 17				Allotted Marks 44				Allotted Marks 24				Allotted Marks 15			
				Q. to be asked 17 Q. to be attempted 17				Q. to be asked 33 Q. to be attempted 22				Q. to be asked 5 Q. to be attempted 3				Q. to be asked 5 Q. to be attempted 3			
				Time 20 Minutes				Time 3 Hours & 10 Minutes											
				K	U	A	Total Marks	K	U	A	Total Marks	K	U	A	Total Marks				
1	Introduction	7 %	9	1	-	-	1	1	1	-	2	1	-	-	4	Question No.10=5 marks			
2	Biological molecules	6 %	7	1	-	-	1	1	-	-	1	1	-	-	4				
3	Enzymes	6 %	7	1	-		1	2	1	-	3	-	-	-	-				
4	The cell	7 %	9	1	-	-	1	1	1	-	2	1	-	-	4				
5	Variety of life	6 %	7	1	-	-	1	1	-	-	1	1	-	-	4				
6	Kingdom prokaryote	6 %	7	1	-	-	1	-	-	1	1	1	-	-	4	Question No.11=5 marks			
7	The kingdom protest	7 %	9	1	-	-	1	2	2	-	4	-	-	-	-	Question No.12 =5 marks			
8	Fungi	7 %	9	1	-	-	1	1	1	-	2	-	-	1	4	Question No.13 =5 marks			
9	Kingdom planate	7 %	9	1	-	-	1	1	-	1	2	-	1	-	4				
10	Kingdom animalia	8 %	10	1	1	-	2	2	2	-	4	-	-	-	-	Question No.14 =5 marks			
11	Bioenergetics	8 %	10	1	-	1	2	1	-	1	2	-	-	1	4				
12	Nutrition	10 %	11	1	-	-	1	1	1	1	3	1	-	-	4				
13	Gaseous exchange	7 %	9	1	-	-	1	2	1	1	4	-	-	-	-				
14	Transport	8 %	10	1	-	1	2	2	-	-	2	1	-	-	4				
Total		100 %	123	17				66				40				25			

Important Note:- 1) K= Knowledge.

U= Understanding / Comprehension

A= Application & Analysis

2) This scheme of Assessment is prepared as per 33% choice in short answer questions, essay questions & questions relating to practicals.

3) In order to promote the cause of concept based learning at least 10 % questions must be unseen or of daily life but relating to specified learning outcomes of Curricula & Syllabi. This portion will increase @ 10% annually but not more than 30%.

4) The questions relating to practical will be asked from the practical Note Book as per chapter were detail given in the curriculum and syllabi 2006.

5) The Practical will be conducted at the end of 10th Class which is mandatory to qualify for award of certificate.

The Practical assessment will be made in the form of grading as per following criteria.

A+= 90% & above, A=80% to 89%, B= 70% to 79%, C= 60% to 69%, D= 50% to 59%, E= 40% to 49%, F= Fail = 40% & below

Model Paper Biology Objective

Intermediate Part – I (11th Class) Examination Session 2012-2013 and onward

Total marks: 17 Paper Code_____ Time Allowed: 20 minutes

Note:- You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

Q.1	QUESTIONS	(A)	(B)	(C)	(D)
1	The study of tissues is called	paleontology	anatomy	histology	Evolution
2	The percentage of water in bacterial cell is	70%	60%	50%	40%
3	The optimum pH value for pepsin enzyme in stomach is	4.0	3.5	3.0	2.0
4	De Duve discovered the cell organelle	mitochondria	lysosomes	ribosomes	Chloroplast
5	In classification the order of Zea mays is	poales	anthophyta	plantae	Poaceae
6	The bacteria with tuft of flagella at one pole is called	a trichouos	monotrichous	lophotrichous	Amphitrichous
7	Apicomplexan move by	tube feet	pseudopodia	undulating	Flexing
8	The skeleton of arthropoda is made of	cellulose	chitin	poly saccharides	lignin
9	Unequal development of various branches during evolution Of leaf is	webbing	fusion	overtopping	planation
10	The asexual reproduction in sponges is	fragmentation	budding	binary fission	multiple fission
11	Scorpion belongs to class	crustacea	insecta	arachnida	myriapoda
12	Oxygen produced during photosynthesis comes from	CO ₂	H ₂ O	NADP	FAD
13	The colour of xanthophylls is	blue	red	green	yellow
14	Rodents are	herbivores	detritivores	carnivores	omnivores
15	The diameter of bronchiole is	3mm	2mm	1mm	0.1mm
16	The ions involved in the opening and closing of stomata are	sodium	calcium	potassium	magnesium
17	Attraction between water-water molecules in xylum tissue is called	tention	adhesion	cohesion	imbibition

Model Paper Biology Subjective

Intermediate Part – I (11th Class) Examination Session 2012-2013 and onward

Total marks: 83

Time: 3:10 hours

Section II

Q.2 Attempt any EIGHT short questions. (8x2=16)

- i. Define the biological method.
- ii. Differentiate between theory and law.
- iii. Define conjugated molecules with two examples.
- iv. Define apoenzyme and holoenzyme.
- v. Define cofactor and write its functions.
- vi. Compare competitive and non competitive inhibitor.
- vii. Differentiate between diploblastic and triploblastic animals.
- viii. Define blastocoel.
- ix. Write any two beneficial effects insects.
- x. Differentiate between coelomate and acoelomate.
- xi. Differentiate between systole and diastole.
- xii. What do you know about blue babies?

Q.3 Attempt any EIGHT Short questions. (8x2=16)

- i. Define cilia with their functions.
- ii. Describe briefly about giant amoeba.
- iii. Draw the life cycle of plasmodium.
- iv. Write down any two characteristics of Ciliates.
- v. Define Kelps. With which group it belongs.
- vi. Compare microphyll with megaphyll leaves.
- vii. Write the significance of double fertilization.
- viii. What are accessory pigments? write their significance.
- ix. Define glycolysis and how many ATP molecules are formed in this process.
- x. Define adipose tissues. How are they formed.
- xi. What is hunger pang? write its reason.
- xii. Write two side effects of obesity.

Q.4 Attempt any SIX Short questions. (6x2=12)

- i. Write the main points of cell theory.
- ii. Write the method to calculate the magnification power of compound microscope.
- iii. Write down botanical names of Amaltas and Brinjal.
- iv. Define dikaryotic hyphae?
- v. Compare basidiospores with ascospores.
- vi. Compare myoglobin with haemoglobin.
- vii. Briefly describe Asthma.
- viii. Write the roles of nose in man.
- ix. Define respiratory distress syndrome.

SECTION III

Attempt any three questions. (8x3=24)

- Q5(a). Write in detail two hypothesis for opening and closing of stomata. (2+2)
(b) Write note on biological method. (0+4)
- Q6(a). Discuss any four function of proteins. (4)
(b) Describe plastids with their types. (1+3)
- Q7(a) Explain characteristics of cyanobacteria. (4)
(b) Write various steps of Evolution of leaf. (4)
- Q8.(a) Write a note on transport of oxygen in man. (4)
(b) Elaborate the non cyclic phosphorylation with the help of diagram. (3+1)
- Q9.(a) Explain digestion in stomach. (4)
(b) Write a note on Zygomycetes. (4)

Section IV

Attempt any three questions. (5x3=15)

- Q10. (a) You are provided with egg albumin and Million reagent. Write biochemical test for the the substance which egg contain. (3)
(b) Write two examples of reducing sugars. (2)
- Q11. (a) You are given the flower *Rosa indica*. Described in technical terms its following parts.
(i) calyx (ii) androceium (iii) gyonecium (3)
(b) Differentiate between polysepalous and gamsepalous. (2)
- Q12. Sketch and label the diagram of digestive system of cockroach. (5)
- Q13. (a) Write the procedure to measure the blood pressure during rest and after exercise. (3)
(b) Write normal value of systolic and diasystolic blood pressure. (2)
- Q14. (a) Following specimen were studied in the laboratory. Give one character of each to identify. (5)
(i) Euglena (ii) anaphase of mitosis. (iii) Fungi
(iv) stomata (v) male cone of pinus.

Assessment Scheme

For Chemistry 11th Part I Session 2012-13 & ONWARD
Time:3 : 30 hrs Total Marks:- 100

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				Time 20 Minutes				Time 3 Hours & 10 Minutes											
				K	U	A	Total Marks	K	U	A	Total Marks	K	U	A	Total Marks				
1	The Basic Concepts	10 %	12	1	1	-	2	1	1	1	6	-	-	½	4	Question No.10=5 marks Question No.11=5 marks Question No.12 =5 marks Question No.13 =5 marks Question No.14 =5 marks			
2	Experimental Techniques in Chemistry	4 %	5	1	-	-	1	-	1	1	4	-	-	-	-				
3	The Gases	9 %	11	-	-	1	1	-	2	1	6	-	½	-	4				
4	Liquids and Solids	11 %	14	1	1	-	2	-	2	2	8	-	-	½	4				
5	Atomic Structure	12 %	14	-	1	1	2	-	2	2	8	½	-	-	-				
6	Chemical Bonding	11 %	14	-	1	1	2	1	2	1	8	½	-	-	4				
7	Thermo Chemistry	7 %	9	-	-	1	1	1	-	1	4	-	-	½	4				
8	Chemical Equilibrium	10 %	12	1	1	-	2	1	1	1	6	-	½	-	4				
9	Solutions	9 %	11	-	-	1	1	1	-	2	6	½	-	-	4				
10	Electro Chemistry	10 %	12	1	1	-	2	1	1	1	6	-	-	½	4				
11	Reaction Kinetics	7 %	9	-	-	1	1	-	-	2	4	-	1/2	-	4				
Total		100 %	123	17				66				40				25			

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Model Paper Chemistry Objective

Intermediate Part – I (11th Class) Examination Session 2012-2013 and onward

Total marks: 17 Paper Code _____ Time Allowed: 20 minutes

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Q.No	Question	A	B	C	D
1	Empirical formula of Glucose is	C ₂ HO	CH ₂ O	CHO ₂	C ₂ H ₂ O
2	The number of molecules present in 9.0 gm of pure water are	3.01×10^{23}	6.02×10^{23}	9.03×10^{23}	1.20×10^{24}
3	The drying agent used in a desiccator is	Lithium Chloride	Sodium Chloride	Potassium Chloride	Calcium Chloride
4	The highest temperature at which a substance can exist as liquid, is called its	Absolute	Consolute	Critical Temperature	Transition Temperature
5	The boiling point of water at Mount Everest is	69°C	74°C	79°C	84°C
6	The existence of an element in more than one crystalline forms is known as	Isotropy	Anisotropy	Entropy	Allotropy
7	The Scientist Chadwick in 1932 discovered	Proton	Neutron	Electron	Positron
8	The values of Quantum numbers for 3P orbital are	n = 1, l = 1	n = 2, l = 1	n = 3, e = 1	n = 3, l = 2
9	The compound which follows octet rule for bonding is	NaCl	BCl ₃	PF ₅	SF ₆
10	The Highest percentage of ionic character is in	HF	HCl	HBr	HI
11	The amount of heat absorbed when one mole of gaseous atoms are formed from the element under standard conditions is called	Enthalpy of Formation	Enthalpy of atomization	Enthalpy of reaction	Enthalpy of combustion
12	In Haber's process, the maximum yield of ammonia can be obtained by	Increasing Pressure	Decreasing pressure	Increasing volume	Increasing temperature
13	The salt dissolved in water forms a solution with pH greater than 7 is	NaCl	Na ₂ CO ₃	CuSO ₄	NH ₄ Cl
14	The elevation of boiling point of 0.1 molal solution is	0.0052°C	0.052°C	0.52°C	5.2°C
15	The oxidation number of Oxygen in OF ₂ is	+ 1	- 1	+ 2	- 2
16	In Lead Accumulator cell, the electrolyte used is	20 % H ₂ SO ₄	30 % H ₂ SO ₄	40 % H ₂ SO ₄	50 % H ₂ SO ₄
17	Sucrose is converted into Glucose and fructose by enzyme catalyst called	Invertase	Maltase	Urease	Zymase

■.■.■.■.■.■.■.■.■.■.

Model Paper Chemistry Subjective

Intermediate Part – I (11th Class) Examination Session 2012-2013 and onward

Total marks: 83

Time: 3:10 hours

SECTION ----- I

2. Answer any Eight parts from the followings:-

8 × 2 = 16

- (i) The removal of an electron from a neutral atom is an endothermic process. Explain with reason.
- (ii) Actual yield is always less than theoretical yield. Give two reasons.
- (iii) Calculate the no. of molecules present in 34 g of H₃PO₄.
- (iv) Solvent extraction follows the Distribution Law. Justify.
- (v) Define sublimation. Give one example.
- (vi) Calculate the value of General Gas constant in SI units.
- (vii) Pilots feel uncomfortable breathing at higher altitude. Give reason.
- (viii) Gases deviate from ideal behaviour at low temperature and high pressure. Give reasons.
- (ix) Table salt is an insulator in solid state. Justify.
- (x) Liquid crystals can be used in diagnosis of Cancer. Explain.
- (xi) Evaporation is a cooling process. Give reason.
- (xii) Graphite has slippery touch. Give reason.

3. Answer any Eight parts from the followings:-

8 × 2 = 16

- (i) Positive rays are also called canal rays. Give reason.
- (ii) The radius of first orbit of hydrogen atom is 0.529 Å. Calculate the radius of 3rd orbit of hydrogen atom.
- (iii) Explain Stark effect.
- (iv) Pressure can affect the production of Cathode Rays.
- (v) Dipole moment of CO₂ is zero. While that of H₂O is 1.85 D. Explain.
- (vi) Explain the geometry of H₂Se molecule.
- (vii) Electronegativity increases from left to right in periodic table. Give reason.
- (viii) Sketch the molecular orbital picture of O₂.
- (ix) Enthalpy is a state function. Justify.
- (x) Born-Haber's Cycle is another form of Hess's Law. Justify.
- (xi) Buffers are important in many areas of Chemistry. Justify.
- (xii) Define Le-Chatelier's principle.

4. Answer any Six parts from the followings:-

6 × 2 = 12

- (i) Give the applications of the solubility product.
- (ii) Depression of freezing point is a colligative property. Justify.
- (iii) Na₂SO₄ · 10H₂O shows discontinuous solubility curve. Give reason.
- (iv) What is the molality of a solution prepared by dissolving 5 g of Glucose in 250g of water.
- (v) Electromotive force can be calculated from electrochemical series. Explain with reason.
- (vi) Lead accumulators are a rechargeable battery. Comment.
- (vii) Calculate the oxidation number of chromium in; (a) K₂CrO₄ (b) K₂Cr₂O₇
- (viii) Differentiate between average and instantaneous rate of reaction.
- (ix) Explain auto-catalysis.

(P.T.O.)

SECTION ----- II

Note: Attempt any three questions.**(8 x 3 = 24)**

- 5.(a) What are London forces. Explain various factors affecting it. 4
- (b) Mg reacts with HCl to give hydrogen gas. What is the minimum volume of HCl solution (27 % by weight) required to produce 16.1g of H_2 . The density of HCl solution is 1.14 g/cm^3 .
 $\text{Mg}_{(s)} + 2\text{HCl}_{(aq)} \rightarrow \text{MgCl}_{2(aq)} + \text{H}_{2(g)}$ 4
- 6.(a) What is hybridization? Explain Sp^2 hybridization with example. 4
- (b) State first law of thermodynamics and prove that $\Delta E = q_v$
- 7.(a) What is Plasma? How is it produced? Give its two applications. 4
- (b) Describe Milikian's Oil Drop method for the measurement of charge of an electron. 4
8. (a) What is Standard Hydrogen Electrode (SHE)? How is it used for the measurement of electrode potential. 4
- (b) Calculate the pH of a buffer solution in which 0.11 M CH_3COONa and 0.09 M. acetic acid solutions are present. K_a for CH_3COOH is 1.85×10^{-5} . 4
9. (a) Explain Roul't's Law when both components are volatile. 4
- (b) Define order of reaction. How does half life method can be used for its determination. 4

SECTION ----- III

Note: Attempt any three questions**(5x3=15)**

- Q 10: In the laboratory, you are given 100 cm^3 of vinegar solution. How will you determine the amount of acetic acid in it practically? 5
- Q 11: During the practical you need pure crystals of NaCl , but in laboratory table salt is provided contaminated with sand. How will you get the pure crystals of NaCl from it? 5
- Q 12: In Redox titrations, the molarity of $\text{FeSO}_4 \cdot \text{XH}_2\text{O}$ is found to be 0.1M. Calculate the number of water molecules (X) in it. 5
- Q 13: You are given a solution containing 4g MOH dissolved per dm^3 . Find out atomic mass of M volumetrically. 5
- Q 14: Katrina has mixed the inks of different colours. You are given this mixture of inks. How will you separate and identify them. 5

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Assessment Scheme

For Computer Science 11th Part I Session 2012-13 & ONWARD

Time: 03:30 hrs

Total Marks:- 100

Sr. No	Chapters	Weightage	Distribution of Marks	M.C.Qs				Short Answer Questions				Essay Type Questions				Questions relating to Practicals			
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				Time Minutes 20				Time 03:10 Hours											
				K	U	A	Total Marks	K	U	A	Total Marks	K	U	A	Total Marks				
1	The Basic Concepts of IT	10 %	15	1	1	-	2	1	1	1	6	-	-	-	8	Question No.10=5marks			
2	Information networks	10 %	15	1	-	1	2	1	2	-	6				8				
3	Data Communication	10 %	15	-	1	1	2	2	1	-	6	-	-	-	8				
4	Security copyright & the law	10 %	15	1	-	1	2	1	1	1	6	-	-	-	8				
5	Hardware & system software	22 %	28	2	2	1	5	4	2	2	16	-	-	-	8				
6	Word processing	10 %	15	-	-	-	-	-	1	1	4	-	-	-	-	Question No.12=5marks			
7	Spread sheet	10 %	15	-	-	-	-	1	-	1	4	-	-	-	-				
8	Applications & use of Computer	8 %	12	-	1	1	2	1	1	3	10	-	-	-	-	Question No.13=5marks			
9	Operating system (Windows)	5 %	5	1	-	-	1	-	-	2	4	-	-	-	-	Question No.14=5marks			
10	Internet browsing & using email	5 %	5	-	1	-	1	1	-	1	4	-	-	-	-				
Total		100 %	150	17				66				40							

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Q# 2 Ch # 1+2+3+6

Q#3 Ch # 5+8+9

Q#4 Ch # 4+7+10

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Intermediate Part – I (11th Class) Examination Session 2012-2013 and onward

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Q No	Question	A	B	C	D
1	A graphic tablet is commonly activated by	Finger	Joystick	Stylus	Trackball
2	Laser printer is an example of	Non impact	Impact	Inkjet	Dot matrix
3	The top most layer of OSI model is	Network	Session	Transport	Presentation
4	Which of the following is <u>NOT</u> a category of network	LAN	MAN	WAN	NAN
5	Analog signal is measured in	Volt	Hertz	WATTS	Digits
6	An important property of fiber optic cable is	Noise	Refraction	Interference	Attenuation
7	The fly-by-wire system is used in	Medical field	Airline field	Education field	Banking field
8	Many banks provide the facility of	CAD	CAM	ATM	CBT
9	Each location in primary storage is assigned a unique	Data	Field	Name	Address
10	All are types of Memory EXCEPT .	DRAM	SRAM	FRAM	ROM
11	The step that obtains next instruction from memory is called	Read	Fetch	Decode	Get
12	The maximum EXCEPT units ALU has?	2	3	4	5
13	Expansion cards are inserted into	Peripheral devices	Slots	CPU	Back of the computer
14	All of the following are biometric techniques EXCEPT	Badge	Retina	Face	Palm print
15	Another name for anti-virus is	Vaccine	Worm	Trojan horse	DES
16	Software can be removed/installed through:	Control panel	Installer	Debugger	Linker
17	Web pages are connected to one another using:	Hyperlinks	http	Interlink	Multimedia

Model Paper Computer Science Subjective

Intermediate Part – I (11th Class) Examination Session 2012-2013 and onward

Total marks: 83

Time: 3:10 hours

SECTION -----I

2. Answer any Eight (08) parts from the followings:

8×2=16

- i) Differentiate between data and information.
- ii) Information Technology has made our world a global village. Justify.
- iii) Define barcode.
- iv) Write some benefits of using computer networks.
- v) Star topology is the best topology. Justify.
- vi) Internet is a single network. Explain
- vii) Define analog signal.
- viii) State data representation in computer.
- ix) Define ASCII code.
- x) Explain virus activation in computers.
- xi) Elaborate the importance of backup.
- xii) Give some causes of virus.

3. Answer any Eight (08) parts from the followings:

8×2=16

- i) Describe the function of Arithmetic and Logic Unit.
- ii) State the components included in the computer architecture.
- iii) Define DMA.
- iv) Explain the work of a computer.
- v) RAM is called volatile memory. Justify.
- vi) Differentiate between RAM and ROM.
- vii) Write down the names of different system buses.
- viii) Explain I/O devices.
- ix) Define word processor.
- x) State the use of clipboard in MS Word.
- xi) Elaborate the steps to identify rows and columns in MS Excel.
- xii) List any four functions used in MS Excel.

(P.T.O.)

4. Answer any Six (06) parts from the followings:

6×2=12

- i) Write some applications of ROBOT.
- ii) Banks can benefit from the use of computers. Explain.
- iii) Define video conferencing.
- iv) Explain Computer Simulation.
- v) Differentiate between CAD and CAM.
- vi) A computer need operating system. Justify.
- vii) Explain the statement Plug and Play.
- viii) State the process of creating web pages.
- ix) Describe search engine with examples.

SECTION -----II

Note: Attempt any three questions from the followings.

8×3=24

- 5. Explain different types of Non-Impact Printers. 08
- 6. Discuss different Network Models. 08
- 7. Briefly describe different guided media. 08
- 8. Explain Fetch-Decode-Execute cycle of CPU. 08
- 9. State the methods to protect a computer system from Virus. 08

SECTION -----III

(Practical Part)

Note: Attempt any three questions from the followings.

25

- 10. Write down the procedure to create a table in MS Word. Also write the Procedure to insert rows in table. 05
- 11. How chart is created in MS Excel? 05
- 12. Explain different ways for editing text in MS Word. 05
- 13. Write procedure for rotating and wrapping text in cell. 05
- 14. Write procedure to add printer in computer 05

Assessment Scheme

For Physics 11th Part I Session 2012-13 & ONWARD

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				Allotted Marks 17				Allotted Marks 44				Allotted Marks 24				Allotted Marks 15
				Q. to be asked 17 Q. to be attempted 17				Q. to be asked 33 Q. to be attempted 22				Q. to be asked 5 Q. to be attempted 3				Q. to be asked 12 Q. to be attempted 6
				Time 20 Minutes				Q2= Chapter 1,2,3,6 = 12 SQ Q3= Chapter 4,5,7,8 = 12 SQ Q4= Chapter 9,10,11= 9 SQ				Time 3 Hours & 10 Minutes				
				K	U	A	Total Marks	K	U	A	Total Marks	K	U	A	Total Marks	
1	Measurements	8 %	9	1	-	-	1	2	1	1	8	-	-	-	9	<u>Mechanics + Heat</u> (a) SQs. = 3+1 = 4 (b) Procedure of any one experiment. (c) Graph Base SQs. <u>Sound and light</u> (a) SQs = 2+2 = 4 (b) Procedure of any one experiment (c) Graph Base SQs.
2	Vector & Equilibrium	10 %	12	1	-	-	1	1	2	-	6	5	-	-	12	
3	Motion and force	11 %	13	1	1	-	2	1	1	2	8	-	-	3	13	
4	Work power & energy	8 %	10	1	-	-	1	2	1	-	6	-	-	3	10	
5	Circular motion	11 %	14	1	1	1	3	2	1	-	6	5	-	-	14	
6	Fluid dynamics	5 %	6	1	-	-	1	1	-	-	2	-	-	3	6	
7	Oscillations	8 %	10	1	-	-	1	1	2	-	6	-	-	3	10	
8	Waves	12 %	14	1	1	1	3	1	2	-	6	5	-	-	14	
9	Physical optics	8 %	10	1	-	-	1	2	1	-	6	-	-	3	10	
10	Optical instruments	8 %	10	1	-	-	1	1	1	-	4	5	-	-	10	
11	Heat & thermodynamics	11 %	15	1	1	-	2	2	1	1	8	5	-	-	15	
Total		100 %	123	17				66				40				25

Important Note:- 1) K= Knowledge.

U= Understanding / Comprehension.

A= Application & Analysis.

2) This scheme of Assessment is prepared as per 33% choice in short answer questions, essay questions & questions relating to practicals.

3) In order to promote the cause of concept based learning at least 10 % questions must be unseen or of daily life but relating to specified learning outcomes of Curricula & Syllabi. This portion will increase @ 10% annually but not more than 30%.

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5) The Practical will be conducted at the end of 12th Class which is mandatory to qualify for award of certificate.

The Practical assessment will be made in the form of grading as per following criteria.

A+= 90% & above, A=80% to 89%, B= 70% to 79%, C= 60% to 69%, D= 50% to 59%, E= 40% to 49%, F= Fail = 40% & below

Model Paper Physics Objective

Intermediate Part – I (11th Class) Examination Session 2012-2013 and onward

Total marks: 17 Paper Code_____ Time Allowed: 20 minutes

Note:- You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

Q.1	QUESTIONS	(A)	(B)	(C)	(D)
1	The unit of Pressure in base units is	$Kg\ m^{-1}\ Sec^{-2}$	$Kg\ m\ Sec^2$	$Kg\ m\ Sec^{-2}$	$Kg\ m^{-1}\ Sec^{-1}$
2	The complete Equilibrium of a body implies that	$\sum F = 0$	$\sum Fx = 0$ $\sum Fy = 0$	$\sum F = 0$ $\sum \tau = 0$	$\sum \tau = 0$
3	At highest point, the vertical component of velocity of Projectile becomes	Maximum	Zero	Minimum	$V_i \cos \theta$
4	Impulse has the same unit as that of	Force	Energy	Mass	Linear Momentum
5	The Tidal Energy is due to gravitational Pull of the	Sun	Moon	Earth	Mars
6	The rotational K.E. of a disc is	$\frac{1}{2}mv^2$	$\frac{1}{4}mv^2$	$\frac{1}{6}mv^2$	$\frac{1}{8}mv^2$
7	Torque per unit Moment of Inertia is Equivalent to	Angular Velocity	Angular Acceleration	Inertia	Radius of Gyration
8	Escape velocity on surface of earth is 11.2 km/Sec ⁻¹ . The escape velocity on the Surface of another planet of same mass as that of earth but of 1/4times the radius of earth is	5.6km sec ⁻¹	11.2km sec ⁻¹	22.4km sec ⁻¹	44.8km sec ⁻¹
9	The SI unit of flow rate of fluid is	$m^3\ sec^{-1}$	$m^2\ sec^{-1}$	$m^2\ sec^{-2}$	$M^3\ sec^{-3}$
10	For a spring mass system arranged horizontally, the instantaneous displacement is	$x = x_0 \sin wt$	$x = x_0 \cos wt$	$x = x_0 \sin^2 wt$	$x = x_0 \cos^2 wt$
11	In the time required for the tuning fork to make one complete vibration, the wave in air will travel a distance equal to	$\lambda / 4$	$\lambda / 2$	λ	2λ
12	Velocity of sound is independent of	Temperature	Density	Pressure	Medium
13	Two tuning forks of frequencies 240Hz and 243Hz respectively are sounded together, the no. of beats produced per second is	Zero	‘2’	‘3’	‘4’
14	In young’s Double slit experiment, the position of Bright fringes are given by Formula,	$Y_m = m \frac{\lambda L}{d}$	$Y_m = m \frac{\lambda d}{L}$	$Y_m = m \frac{Ld}{\lambda}$	$Y_m = \frac{m\lambda}{Ld}$
15	Final image produced by the compound Microscope is	Real and inverted	Real and erect	Virtual and erect	Virtual and inverted
16	Carnot cycle consists of	Two steps	Three steps	Four steps	Five steps
17	The Internal energy of a piece of lead when beaten by a hammer will	Increase	Decrease	Remain constant	First increase then decrease

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Model Paper Physics Subjective

Intermediate Part – I (11th Class) Examination Session 2012-2013 and onward

Total marks: 83

Time: 3:10 hours

SECTION ----- II

2. Write answers of any EIGHT questions. (8 x 2 = 16)
- (i) Define dimension. Check the correctness of the equation $v=f\lambda$ by the principle of Homogeneity of dimensions.
 - (ii) Briefly explain the two drawbacks to use the period of simple pendulum as a time standard.
 - (iii) Assess the total uncertainty in the final result of a timing experiment with the help of an example.
 - (iv) Determine the dimensions of pressure and density.
 - (v) Under what condition would a vector have components that are equal in magnitude.
 - (vi) Justify the statement “A body cannot rotate about its centre of gravity under the action of its own weight”.
 - (vii) If $\vec{A} \cdot \vec{B} = 0$, Can it be concluded that \vec{A} and \vec{B} are perpendicular to each other? Support your answer with a proof.
 - (viii) Why fog droplets appear to be suspended in air?
 - (ix) Discuss the sign of acceleration due to gravity for a cricket ball thrown upward, for its upward and downward motion.
 - (x) Can the velocity of an object reverse the direction when acceleration is constant? Justify with an example.
 - (xi) It is advisable to fasten the seat belts during a fast drive. Why is it?
 - (xii) Explain how would a bouncing ball behave in each of an elastic and inelastic collision with floor of room.
3. Write answers of any EIGHT questions. (8 x 2 = 16)
- (i) When a rocket enters the atmosphere, why does its nose cone become very hot? Where does this heat energy come from?
 - (ii) State the work energy principle. Express it in equation.
 - (iii) While calculating the Absolute Gravitational potential energy, why is the distance between infinity and surface of earth is divided into very small steps.
 - (iv) What is meant by moment of Inertia? Give its significance.
 - (v) How is artificial gravity created in an Artificial satellites.
 - (vi) Centripetal force and centrifugal reaction are equal in magnitude but opposite in direction. Why these forces do not balance each other.
 - (vii) What happens to the period of simple pendulum if
 - (a) its length is doubled
 - (b) its suspended mass is doubled.
 - (viii) Show that in SHM, the acceleration is zero when velocity is greatest and the velocity is zero when the acceleration is greatest?
 - (ix) Why can we not realize an Ideal simple pendulum.
 - (x) What features do longitudinal waves have in common with transverse waves.
 - (xi) Why does sound travel faster in solids than in gases?
 - (xii) Justify the statement “Velocity of sound in a gas is independent of pressure of the gas”
4. Write answers of any SIX questions. (6 x 2 = 12)
- (i) Define coherent sources of light. How two light beams can be made coherent.
 - (ii) How is the distance between interference fringes is affected by the separation between the slits of Young’s double slit experiment?
 - (iii) How would you distinguish between unpolarized light and plane polarized light.
 - (iv) Name and explain any two of major components of a fiber optic communication system.
 - (v) How the resolving power of a compound microscope can be increased.
 - (vi) What happens to the temperature of the room, when an air conditioner is left running on a table in the middle of the room.
 - (vii) What is meant by tripple point of water. What is the value of Absolute temperature of tripple point of water.
 - (viii) Can the efficiency of a carnot engine be 100%? Justify your answer with proof.
 - (ix) Normal Human body temperature is $98.6^{\circ}F$. Convert it into C° and K.

P.T.O.

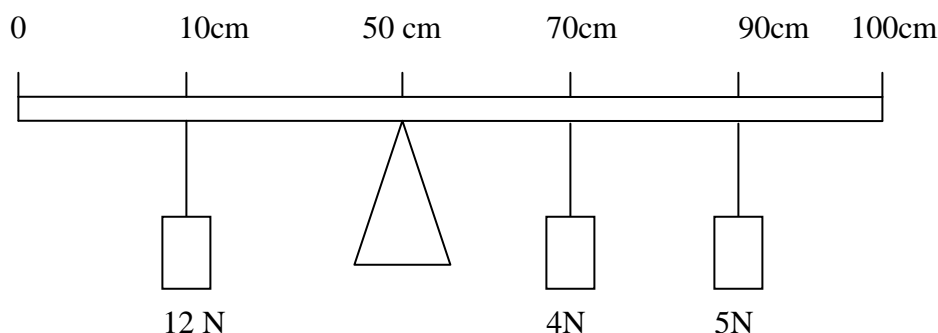
SECTION II (Essay Type)**Note:- Attempt any three questions.****(8 x 3 = 24)**

5. (a) Define Rectangular components of a vector. How two vectors can be added by Rectangular component method. 1+4
- (b) A ball is thrown with a speed of 30 m sec^{-1} in a direction 30° above the horizontal. Determine the height to which it rises. 3
- 6.(a) What are geostationary orbits. Derive an expression for orbital radius of a Geostationary orbit 1+4
- (b) How large a force is required to accelerate an electron ($m=9.1 \times 10^{-31} \text{ kg}$) from rest to a speed of $2 \times 10^7 \text{ msec}^{-1}$ through a distance of 5.0 cm. 3
7. (a) What is the limitation of Newton's formula for speed of sound in air. How did Laplace correct it. 1+4
- (b) A simple pendulum is 50cm long. What will be its frequency of vibration at a place where $g=9.8 \text{ m sec}^{-2}$ 3
- 8.(a) Explain the principle, construction and Magnifying power of a compound microscope with the help of a ray diagram . 1+2+2
- (b) A light is incident normally on a grating which has 2500 lines/cm. compute the wavelength of a spectral line for which the deviation in 2nd order is 15° . 3
- 9.(a) Explain the carnot cycle and calculate the efficiency of a carnot heat engine. 2+3 = 5
- (b) Water flows through a hose whose internal diameter is 1cm at a speed of 1 m sec^{-1} . What should be the diameter of the nozzle if the water is to emerge at 21 m sec^{-1} . 3

SECTION III (PRACTICAL)**Note:- Give answers to any Four Questions.****4 x 2 = 8**

- 10.(a) (i) How does the electronic timer measure time of free fall accurately.
- (ii) A student measured the diameter of cylinder as 2.45 cm by a vernier calliper having least count +0.01 cm. But later on he observes a zero error in the instrument and finds zero of the vernier scale lies to the right of the zero of principal scale and 4th division of vernier scale faces any division of the principal scale. Find the correct value of diameter of cylinder.
- (iii) The wire of sonometer is stretched with a load of 4kg wt including the hanger and resonant length of wire is found to be 11cm by using a tuning fork having frequency 512 Hz. If diameter of the wire is doubled, find the resonant frequency of this wire for the same resonating length and same load.

- (iv) Find clockwise torque from diagram.



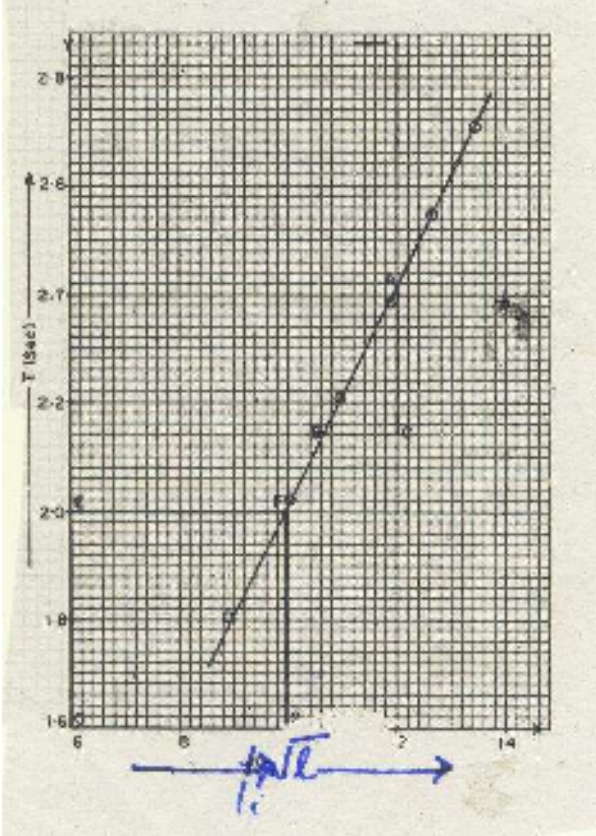
- (v) How does the angle of deviation vary with the angle of incidence in case of prism.
- (vi) Does the critical angle of a transparent material varies with the colour of light.
- (vii) What are the sources of error during the experimental determination of mechanical equivalent of Heat by electrical method.
- (viii) Design a table of observations/calculations to prove the law of length by using the vibrations in the string of sonometer.

10.(b) Write down the brief procedure to show experimentally that time period of simple pendulum is independent of amplitude . 3

OR

Write down the Brief procedure to determine experimentally the focal length of a convex lens by displacement method.

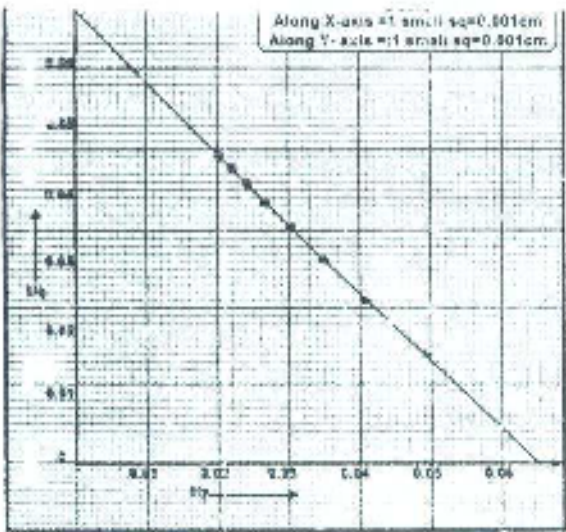
10.(c) Answer the following Question on the basis of graph drawn below.



- (i) What can you conclude from the graph 1
- (ii) Find the value of “g” from the graph 2
- (iii) Measure the length of second’s pendulum from the graph 1

OR

Answer the following Question on the basis of graph drawn below.



- (i) What is value of “P” corresponding to $1/q = 0.05 \text{ cm}^{-1}$
- (ii) Using a set of values of $1/p$ and $1/q$ from evaluate focal length.

Assessment Scheme
For Business Mathematics 11th Part I Session 2012-13 & ONWARD
Time: 02:30 hrs Total marks: - 75

CH No.	Chapters Name	Weightage	Distribution of Marks	M.C.Qs			Short Answer Questions			Essay Type Questions		
				Allotted Marks 15			Allotted Marks 36			Allotted Marks 24		
				Q. to be asked	15		Q. to be asked	27		Q. to be asked	5	
				Q. to be attempted	15		Q. to be attempted	18		Q. to be attempted	3	
				Time 20 Minutes			Time 2 Hours & 10 Minutes					
				K	U	A	Total Marks	K	U	A	Total Marks	
1	BUSINESS ARITHMETIC	16%	17	-	1	2	3	2	-	3	10	Q5 (a) = 4 Q5 (b) = 4 Q6 (a) = 4
2	MATHEMATICS OF FINANCE	16%	18	1	-	1	2	1	1	2	8	Q6 (b) = 4 Q7 (a) = 4 Q7 (b) = 4
3	FUNCTIONS & THEIR GRAPHS	11%	12	-	1	1	2	1	1	1	6	Q8 (a) = 4 Q8 (b) = 4 Q9 (a) = 4 Q9 (b) = 4
4	LINEAR, QUADRATIC AND SIMULTANEOUS EQUATIONS	21%	23	-	-	3	3	-	-	6	12	Q6 (b) = 4 Q7 (a) = 4 Q7 (b) = 4
5	ELEMENTS OF MATRIX ALGEBRA	20%	21	2	1	-	3	1	1	3	10	Q8 (a) = 4 Q8 (b) = 4 Q9 (a) = 4 Q9 (b) = 4
6	BINARY NUMBER SYSTEM AND ITS OPERATION	16%	18	1	-	1	2	1	-	3	8	Q6 (b) = 4 Q7 (a) = 4 Q7 (b) = 4
Total				100 %			109	15			54	40

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3) In order to promote the cause of concept based learning at least 10 % Questions must be unseen or of daily life but relating to specified learning outcomes of Curricula & Syllabi. This portion will increase @ 10% annually but not more than 30%.

Model Paper Business Mathematics (Commerce Group) Objective

Intermediate Part – I (11th Class) Examination Session 2012-2013 and onward

Total marks: 15 Paper Code _____ Time Allowed: 20 minutes

Note:- You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

Q No.1	Question	A	B	C	D
1	If $A : B = 2 : 3$ and $B : C = 3 : 5$ Hence A, B, C would be.	$2 : 3 : 5$	$2 : 5 : 3$	$3 : 2 : 5$	$3 : 5 : 2$
2	Decimal form of 5.3% is.	53	0.53	0.0053	0.053
3	Rs. 250 is $2\frac{1}{2}\%$ of what amount?	1000	10000	100000	2500
4	What is the interest on Rs. 1880.90 for one year at simple interest $5\frac{1}{2}\%$?	Rs. 100	Rs. 103.45	Rs. 105.5	Rs. 110.5
5	Payments are to be made at the beginning of each period is.	annuity	annuity due	ordinary annuity	perpetuity
6	If $H(S) = S^2 - 3$ then find $H(\frac{2}{3})$?	$\frac{23}{9}$	$-\frac{23}{9}$	$\frac{9}{23}$	$-\frac{9}{23}$
7	The function $f(x) = 2x^2 - 3x + 4$ is.	Constant	Linear	Cubic	Quadratic
8	If $\frac{1}{4}$ of an amount is Rs. 60, what is the amount?	140	240	40	260
9	Two linear factors of $y^2 + 10y + 24$ are:	$(y - 4)(y + 6)$	$(y + 4)(y - 6)$	$(y + 4)(y + 6)$	$(y - 4)(y - 6)$
10	Solution set of equation $4x + 5y = 40$ and $3x + 2y = 23$ is.	$\{(4, 5)\}$	$\{(-5, 4)\}$	$\{(5, 4)\}$	$\{(-4, -5)\}$
11	$(AB)^t$ is equal to:	$A^t B^t$	$B^t A^t$	AB^t	$A^t B$
12	Any matrix "A" is a skew symmetric matrix if:	$A^t = A$	$A^t = -A$	$A = -A$	$A = A^t$
13	The order of matrix $\begin{bmatrix} 1 \\ 2 \\ 8 \\ 3 \end{bmatrix}$ is:	1×4	4×1	4×4	3×4
14	Decimal number system is based on:	0 to 15	0 to 1	0 to 9	0 to 10
15	Convert 77 to binary system:	$(1101101)_2$	$(1001101)_2$	$(1110001)_2$	$(1000101)_2$

Model Paper Business Mathematics (Commerce Group) Subjective

Intermediate Part – I (11th Class) Examination Session 2012-2013 and onward

Total marks: 60

Time: 2 hours & 10 Minutes

SECTION.....1

Q 2. Answer briefly any SIX parts from the followings:-

6 × 2 = 12

i) Find the missing term in each case.

$$4 : 9 :: ? : 54 \quad \text{and} \quad 4 : 30 :: 20 : ?$$

ii) Define successive discount and its formula.

iii) What is commission on Rs. 3000 @ $3\frac{1}{3}\%$?

iv) Name two method of calculating depreciation.

v) If $\frac{1}{5}$ of an amount is Rs. 10000. Find the amount?

vi) What is interest due in case of Rs. 1000 loaned for 4 months at 6 % annum?

vii) Write at least two key points of compound interest.

viii) Define perpetuity.

ix) What will be the accumulated amount for after 3 years on an investment of Rs. 250000 at 9% simple interest?

Q .3 Answer briefly any SIX parts from the followings:-

6 × 2 = 12

i) Given function $g(u) = u^2 + u$ find $g(-x^2)$, $g(2v)$

ii) Define absolute value function.

iii) Give the domain of the function $\phi(x) = \frac{x}{x-3}$

iv) Six times a number is 180. What is the number?

v) Solve for 'x' $2x + 20 - 5x = x - 6 + 9x$

vi) Resolve in standard form $\frac{1}{x+3} - \frac{1}{x-3} = 3$

vii) Apply componendo and dividendo rule on

$$\frac{\sqrt{x-3} - \sqrt{x+3}}{\sqrt{x-3} + \sqrt{x+3}} = \frac{7}{4}$$

viii) Solve $x = y$ and $2x + y = 3$

ix) What is discriminant of $4x^2 - 13x + 3 = 0$

Q 4. Answer briefly any SIX parts from the followings:-

$$6 \times 2 = 12$$

i) If $A = \begin{bmatrix} 4 & 5 \\ 2 & 3 \end{bmatrix}$ then find A^2

ii) Find A if $2A + \begin{bmatrix} 1 & 2 \\ 4 & 6 \end{bmatrix} = 0$

iii) Find AB if $A = \begin{bmatrix} 3 & 4 \end{bmatrix}$ and $B = \begin{bmatrix} 4 \\ 5 \end{bmatrix}$

iv) Define singular and non – singular matrices.

v) What do you understand by the transpose of a matrix?

vi) Simplify $(1001)_2 \times (101)_2$

vii) Write down the different number system.

viii) Find the sum of $(23)_{10} + (111)_2 = ()_{10}$

ix) Simplify $(1100)_2 - (111)_2$

SECTION.....2

Note: Attempt any three questions.

$$8 \times 3 = 24$$

Q5 (a) An item marked with price tag of Rs. 200 is available at 15% discount. Find the discounted price and amount of discount.

(b) Find the simple interest on Rs. 400000 invested for 5 years and 6 months at 4% per year.

Q6 (a) Find the compound interest due in case of Rs. 1000 Loaned for 5 years at 6% per annum.

(b) draw the graph of $f(x) = 10 - 2x$

Q7 a) Solve $\frac{3x-10}{6} + \frac{8(3x-5)}{3} = 6x$

b) Find the number which added to 6 and 8 gives two numbers with a product of 288.

Q8 a) Solve $\begin{cases} 2x + 3y = 10 \\ 4x + 8y = 24 \end{cases}$

With the help of matrices.

b) If $A = \begin{bmatrix} 1 & 4 & 7 \\ 2 & 5 & 8 \\ 3 & 6 & 9 \end{bmatrix}$ and $B = \begin{bmatrix} 2 & 4 & 1 \\ 4 & 1 & 7 \\ 7 & -1 & -1 \end{bmatrix}$

then prove that $AB \neq BA$

Q9 a) Divide $(11000011)_2$ by $(1101)_2$

b) Simplify $[(1011100)_2 - (111100)_2] - \{(10000)_2 - (111)_2\}$

Assessment Scheme

For Fine Arts 11th Part I Session 2012-13 & ONWARD
Time: 03:30 hrs
Total Marks:- 100

Sr. No	Chapters Name	Weightage	Distribution of Marks	M.C.Qs				Short Answer Questions				Essay Type Questions				Questions relating to Practicals	
				Allotted Marks 17				Allotted Marks 44				Allotted Marks 24				Allotted Marks 15	
				Q. to be asked 17 Q. to be attempted 17				Q. to be asked 33 Q. to be attempted 22				Q. to be asked 5 Q. to be attempted 3				Q. to be asked 5 Q. to be attempted 3	
				Time Minutes 20				Time 03:10 Hours									
				K	U	A	Total Marks	K	U	A	Total Marks	K	U	A	Total Marks		
1	قدیم ترین عہد رنگ	13 %	16	1	1	-	2	1	1	1	6	1	-	-	8	Question No.10=5marks	
2	قدیم عہد رنگ	12.20 %	15	1	1	1	3	2	3	1	12	-	-	-	-	Question No.11=5marks	
3	چھ عہد رنگ	18.70 %	23	1	1	1	3	2	2	2	12	-	1	-	8	Question No.12=5marks	
4	مصری ایشیائی عہد رنگ	18.70 %	23	1	1	1	3	3	1	2	12	1	-	-	8	Question No.13=5marks	
5	مصری عہد رنگ	18.70%	23	1	1	1	3	2	1	3	12	-	1	-	8	Question No.14=5marks	
6	وادی سندھ کی پہلی تہذیب	18.70%	23	2	1	-	3	2	2	2	12	-	-	1	8		
	Total	100 %	123+25=148	17				66				40				25	

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3) In order to promote the cause of concept based learning at least 10 % questions must be unseen or of daily life but relating to specified learning outcomes of Curricula & Syllabi. This portion will increase @ 10% annually but not more than 30%.

4) The questions relating to practical will be asked from the practical Note Book as per chapter were detail given in the curriculum and syllabi 2006.

5) The Practical will be conducted at the end of 12th Class which is mandatory to qualify for award of certificate.

The Practical assessment will be made in the form of grading as per following criteria.

A+= 90% & above, A=80% to 89%, B= 70% to 79%, C= 60% to 69%, D= 50% to 59%, E= 40% to 49%, F= Fail = 40% & below

وقت 20 منٹ

نوٹ:- ہر سوال کے سوا کہ بجایہ A, B, C اور D دیے گئے ہیں۔ جوابی کاغذ پر ہر سوال کے سامنے دیئے گئے ہوں، دل میں سے جب: = جواب کے مطابق لکھیں! ۱۔ وہ کو ماننے سے بچنے سے بھر دیتے ہیں۔ یہ وہ ایسے لوگوں کو بڑھ کر نہ کہ کاٹ کر بڑھ کرنے کی صورت میں مذکورہ جواب غلط تصور ہوگا۔

Q.1	QUESTIONS	(A)	(B)	(C)	(D)
1	Menhir کہاں واقع ہے؟	فرانس کے علاقے Brittary	سپین	یورپ	فلسطین
2	سارگون کا محل کن سی صدی سے تعلق رکھتا ہے؟	تیسری صدی	چوتھی صدی	پانچویں صدی	آٹھویں صدی
3	Neolithie دور کے ختم ہونے سے پہلے انسان نے کیا کیا؟	کھیتی باڑی شروع کیا	ظروف سازی کی	مصور کی	Printing کی
4	Jerico کیا تھا؟	جانوروں کا مسم	مجموعہ کا مسم	مجموعہ کا مسم	قبیلہ کا مسم
5	ایرانی فن تعمیر میں کس چیز کا مدیہ ہے؟	محرابیں	گنبد	مینار	ستون
6	اہراموں کی سیب سے متعلق کن چیز کیا تھی؟	سنہری چمکدار روئی	عمارت کی بلندی	اہراموں کی خوبصورتی	اہراموں کی مضبوطی
7	Mohenjodaro کا نشیمن کبھی کبھار؟	مٹی کے تودے پر	ستونوں پر	دیواروں پر	Slab پر
8	پانی قبروں کو کیا کہا جاتا ہے؟	Menhir	Mastaba	Dolmen	Ruins
9	نوجوان شہر کے دو بنائے گئے عمارتوں میں عجائبات زمانہ بھی جاتی ہے؟	مینار اور Hanging Garden	ستون	گیٹ	مندر
10	مصری تعمیرات میں سیب سے اہم چیز کیا تھی؟	مندر	مقبرے	گنبد	اہرام
11	وادی سندھ میں درویش کا گھر؟	بھٹی میں پکی ہوئی مٹی	پتھر	چاک	نہر پتھر
12	Upper Pablithi دور میں Memoth کیا تھا؟	کار اور چمکڑا	بجلی لباس	شکار کا آلہ	کارآمد جانور
13	سیرین دور کے کھنڈرات؟	Temple	Tomb	Domestic Building	Ziggurates
14	مصری دیوی ویتوں کی تعداد کتنی تھی؟	2000	3000	5000	4000
15	ہمل میں؟	ہمورابی	اشوکا	چندرگپت	پہلوا
16	وادی سندھ میں رقصہ کا گھر؟	پتھر	چونے کا پتھر	لوہا	مٹی
17	Code of Hammurabi کے کہتے ہیں؟	ہمورابی کے قوانین	ہمورابی کے مسم	ہمورابی کا شہر	ہمورابی کا گھر

حصہ ۱ ----- اول

8x2=16

2۔ نوٹ: کوئی سے آٹھ اجزاء کے مختصر جوابات تحریر کریں۔

- قدیم دور سنگ میں اوزار کا استعمال بیان کریں۔
- بڑی اور کھڑی کے اوزار مختصراً بیان کریں۔
- Upper Paleolithic دور میں Sculpture کی کتنی اقسام تھیں؟
- Mamoth نے برے میں آپ کیا جانتے ہیں؟
- Venus of Willendorf پر نوٹ لکھیں۔
- Spear Thrower کو مختصراً تحریر کریں۔
- Altamira غار نے برے میں آپ کیا جانتے ہیں؟
- Dolmen کسے کہتے ہیں؟
- Stone Henge کہاں واقع ہے؟
- The great Ziggurate نے برے میں آپ کیا جانتے ہیں؟
- سمیرین سنگتراشی میں Group Status نے برے میں تحریر کریں۔
- Bust of a Women نے برے میں مختصراً تحریر کریں۔

8x2=16

3۔ نوٹ: کوئی سے آٹھ اجزاء کے مختصر جوابات تحریر کریں۔

- Head of Sargon کی ریختہ پر مختصراً لکھیں۔
- پیرافن بتن سازی میں کوئی سی دو مشابہت تحریر کریں۔
- Gold Armlet کو بیان کریں۔
- شامی شہر کے مختصر بیان کریں۔
- پیرافن فن تعمیر میں سینے والے ستونوں کی تعریف بیان کریں۔
- سمیرین Pottery میں Helmet کی اہمیت بیان کریں۔
- شامی سنگتراشی کے مختلف موضوعات کو ایک مثال کے ساتھ بیان کریں۔
- مصری فن تعمیر میں عمارات کتنی قسموں کی تھیں؟
- اہرام کی بناوٹ بیان کریں۔
- ابو ابول نے برے میں آپ کیا جانتے ہیں؟
- Temple کی تعریف بیان کریں۔
- The Scribe with Painting نے برے میں تحریر کریں۔

6x2=12

4۔ نوٹ: کوئی سے چار اجزاء کے مختصر جوابات تحریر کریں۔

- Acropolis کی تعریف بیان کریں۔
- مصری بتن سازی میں کوئی سی دو مشابہت تحریر کریں۔
- رقاصہ کے مجسمے نے برے میں آپ کیا جانتے ہیں؟
- Dancing Girl پر نوٹ لکھیں۔
- وادی سندھ کے زیورات نے برے میں تحریر کریں۔
- Terracotta کا کیا مطلب ہے؟
- Mother Goddess نے برے میں تحریر کریں۔
- Women at her toilet کو مختصراً بیان کریں۔
- Paleolithic کو کتنے ادوار میں تقسیم کیا گیا ہے؟

P.T.O.

(حصہ دوم)

$$8 \times 3 = 24$$

نوٹ: کوئی سے تین سوالات کے ہوا پتہ تجویز کیجئے۔

سوال نمبر 5 قتل: ہرنج کے لوگ اپنے آپ کو کس طرح سجاتے تھے؟ مختلف مہر دیتے آئیلا تحریر کریں۔

سوال نمبر 6 ہٹل کے دور میں Code of Hammurabi کو تفصیلاً تجزیہ کریں۔

سوال نمبر 7 مصری فن تعمیر میں Pyramids کی کیا اہمیت ہے؟ مثالوں سے واضح کریں۔

سوال نمبر 8 وادی سندھ کی تعمیرات پتہ نوٹ لکھیں۔

سوال نمبر 9 شامیوں کے فن تعمیر پر تفصیلاً نوٹ لکھیں۔

(حصہ سوم)

$$5 \times 3 = 15$$

نوٹ: کوئی سے تین سوالات کے ہوا پتہ تجویز کیجئے۔

سوال نمبر 10 Water Colour میڈیم کیا ہے؟

سوال نمبر 11 Mono Chrome تکنیک کیا ہے؟

سوال نمبر 12 Terracotta کیا ہے؟ چند اہم پوائنٹس تجزیہ کریں۔

سوال نمبر 13 پائٹری کلرز کون کون سے ہوتے ہیں؟

سوال نمبر 14 نیچے دی گئی Drawing کی خصوصیات پتہ تفصیلاً نوٹ لکھیں۔



Assessment Scheme

For Geography 11th Part I Session 2012-13 & ONWARD
Time :03:30 Total Marks: 100

Sr. No.	Chapter Name	Weightage	Distribution of Marks	M.C.Qs				Short Answer Questions				Essay Type Questions				Questions relating to Practical's	
				Allotted Marks				Allotted Marks				Allotted Marks				Allotted Marks	
				Q. to be asked				Q. to be asked				Q. to be asked				Q. to be asked	
				Q. to be attempted				Q. to be attempted				Q. to be attempted				Q. to be attempted	
				Time 20 Minutes				Time 3 Hours & 10 Minutes				Time 3 Hours & 10 Minutes				Time 3 Hours & 10 Minutes	
				K	U	A	Total Marks	K	U	A	Total Marks	K	U	A	Total Marks		
1	جغرافیہ کی تعریف، شاخص ہندازہ، محل اور اہمیت	8.943%	11	-	1	-	1	2	2	1	10	-	-	-	-	Question No.10=5 marks	15
2	طبی جغرافیہ اور اس کے اجزاء	9.756%	12	1	1	-	2	-	1	-	2	1	-	-	8	Question No.11=5 marks	5
3	چٹانیں	5.691%	07	1	-	-	1	2	1	-	6	-	-	-	-	Question No.12=5 marks	3
4	طبی نقشہ راضی کہہ کر	17.073%	21	2	1	-	3	2	2	1	10	-	1	-	8	Question No.13=5 marks	3
5	گھٹت وریخت اور اس کی اقسام	5.691%	07	-	-	1	1	1	1	1	6	-	-	-	-	Question No.14=5 marks	
6	موائل گھٹت وریخت	15.447%	19	2	1	-	3	2	1	1	8	-	-	1	8		
7	سندھ اور ان کی حرکات	13.008%	16	1	1	-	2	1	1	1	6	1	-	-	8		
8	ہوائی کرہ	21.951%	27	1	1	1	3	3	3	2	16	1	-	-	8		
9	انسان پر قدرتی ماحول کا اثر	02.439%	03	-	1	-	1	-	-	1	2	-	-	-	-		
Total			123+25=148	17				66				40				25	

Important Note:- 1) K= Knowledge.

U= Understanding / Comprehension

A= Application & Analysis

2) This scheme of Assessment is prepared as per 33% choice in short answer questions, essay questions & questions relating to practicals.

3) In order to promote the cause of concept based learning at least 10 % questions must be unseen or of daily life but relating to specified learning outcomes of Curricula & Syllabi.
This portion will increase @ 10% annually but not more than 30%.

4) The questions relating to practical will be asked from the practical Note Book as per chapter were detail given in the curriculum and syllabi 2006.

5) The Practical will be conducted at the end of 12th Class which is mandatory to qualify for award of certificate.

The Practical assessment will be made in the form of grading as per following criteria.

A+= 90% & above, A=80% to 89%, B= 70% to 79%, C= 60% to 69%, D= 50% to 59%, E= 40% to 49%, F= Fail = 40% & below

نوٹ:- ہر سوال کے ہمارے چار A, B, C اور D دیئے گئے ہیں۔ جوابی کاغذ پر ہر سوال کے سامنے دیئے گئے ہیں۔ اس میں سے وہ جواب کے مطابق منتخب کیا جائے گا۔ کوئی گنہگار نہیں ہے۔

Note:- You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

(D)	(C)	(B)	(A)	QUESTIONS	Q.1
پودوں کا Plants	سمندروں کا Oceans	کرہ ہوائی Atmosphere	چٹانوں کا Rocks	موسمیاتی جغرافیہ میں مطالعہ کیا گیا ہے۔ Meteorology is the study of	1
10746	12746	13000	14000	خط استوا پر زمین کا قطر ہے۔ (کھانسی میں) The Diameter of Earth on Equator is (in KM)	2
50.3 50.3km	39.3 39.3km	29.3 29.3km	19.3 19.3km	براعظمی پٹ کی اوسط گہرائی ہے۔ The average depth of continental crust is	3
سیتھ Granite	میتھ کا پتھر Sand Stone	سلیٹ Sleet	ہیرا Diamond	تہہ دار چٹانوں کی عام مثال ہے۔ The common example of Sedimentary Rock is	4
500	400	280	25	کلدانی پہاڑ کی عمر ہے (ملین سال) The age of Caledonian Mountains is (Million years)	5
بقیہ پہاڑ Residual	ملفوفہ پہاڑ Folded	بلاک تہہ Blocked	آتش فشاں Volcanic	بھارت کے ساتپورا اور مہادےو پہاڑ ہیں۔ The Satpura and Mahadeo mountains of India are	6
بقیہ پہاڑ Residual	بلاک پہاڑ Block	ملفوفہ پہاڑ Folded	آتش فشاں پہاڑ Volcanic	کوتوپاکسی پہاڑ ہے۔ Cotopaxi mountain is	7
سرد علاقوں میں Cold	گرم خشک علاقوں میں Hot dry	گرم مرطوب علاقوں میں Warm humid	سرد مرطوب علاقوں میں Cold Humid	کیمیائی نکست درجہ حرارت کا عمل زیادہ تیز ہوتا ہے۔ The chemical weathering takes place rapidly in the areas of	8
بارش کے Rain	ہوا کے Wined	گلیشیئر کے Glacier	نہر کے River	ایسکرز کس کے عمل سے بنتے ہیں۔ Eskers are formed by the action of	9
بارش Rain	گلیشیئر Glacier	نہر River	ہوا Wind	آب شستہ میدان کس عمل سے بنتے ہیں۔ Out-Wash plains are formed by the action of	10
صحرا Deserts	جنگلات Forest	پہاڑی وادیوں میں Mountain valley	قطبی علاقوں میں Polar	پہاڑی گلیشیئر پائے جاتے ہیں۔ Valley glacier are found in the areas of	11
1°-3°	5°-7°	2°-4°	4°-6°	براعظمی ڈھلان کا زاویہ عام طور پر کیا ہے۔ The slope of continental slope is	12
چھٹی اور اٹھارویں 6th and 18th	دسویں اور پچیسویں 10th and 25th	ساتویں اور اکیسویں 7th and 21th	پہلی اور چودھویں 1st and 14th	مداخرا کبر وقت پنے یہ ہوتا ہے۔ The high tides occurs on	13
45%	20.99%	78.03%	65%	کرہ ہوائی اور نائٹروجن کی مقدار ہوتی ہے۔ The amount of nitrogen in Atmosphere is	14
کنٹورز Contours	فارم لائنز Farmlines	خطوط مساوی الحرارة ISO therms	خطوط مساوی البار ISO bar	یکساں درجہ حرارت کے علاقوں کو ملانے والے خطوط کہلاتے ہیں۔ The lines joining the area of similar temperature are called	15
ڈیفون Typhone	ولی ولی Willy Willy	ہریکین Hurricane	ڈپریشن Depression	یورپ میں کہاں کہاں ہے۔ In Europe, the cyclones are called	16
عیسائیت Christianity	اسلام Islam	ہندومت Hinduism	بھومت Buddhism	جس مذہب جانوروں کو ذبح کرنے کی اجازت نہیں دیتا۔ In which religion the slaughtering of animal is not allowed	17

Part ----- I

حصہ اول

8x2=16

- Define geography according to Dr. Keltie.
- Define Human Geography.
- What is meant by Geology.
- Define Oceanography.
- What is meant by Demography.
- What is meant by Solar System.
- Define metamorphic rocks.
- Define Plutonic rocks.
- Define hypabyssal rocks.
- Define Weathering.
- Define Mass wasting.
- What is meant by exfoliation.

- نوٹ: کوئی سے آٹھ اجزاء کے مختصر جوابات تحریر کریں۔
- (i) ڈاکٹر کلتی کے مطابق جغرافیہ کی تعریف بیان کیجئے۔
- (ii) انسانی جغرافیہ کی تعریف بیان کیجئے۔
- (iii) علم طبقات الارض سے کیا مراد ہے۔
- (iv) بحری جغرافیہ کی تعریف بیان کیجئے۔
- (v) مردم نگاری سے کیا مراد ہے۔
- (vi) ماحولیات سے کیا مراد ہے۔
- (vii) متغیر چٹان کی تعریف بیان کیجئے۔
- (viii) پلوٹونی چٹان کی تعریف بیان کیجئے۔
- (ix) عمیق چٹان کی تعریف کیجئے۔
- (x) عمل فرسودگی سے کیا مراد ہے۔
- (xi) ماس ویسٹنگ کی تعریف کیجئے۔
- (xii) لٹریٹ ہٹ سے کیا مراد ہے۔

8x2=16

- Define Mountain
- Write the types of mountain according to age.
- Write the two names of volcanic mountains.
- Write a note on continental plateau.
- Write the names of three sub types of depositional plains.
- Write a short note on delta.
- What is meant by Moraines.
- What is abrasion.
- Write a short note on Barkhans.
- Write a note on continental slope.
- What is meant by low tides.
- Write about laboredor current.

- نوٹ: کوئی سے آٹھ اجزاء کے مختصر جوابات تحریر کریں۔
- (i) پہاڑ کی تعریف کیجئے۔
- (ii) عمر کے لحاظ سے پہاڑوں کی اقسام تحریر کریں۔
- (iii) کوئی سے دو آتش فشاں پہاڑوں کے نام لکھیں۔
- (iv) براعظمی سطح پر تپانہ نوٹ لکھیں۔
- (v) تپانہ میدان کی تین ذیلی اقسام کے نام لکھیں۔
- (vi) ڈیلٹا پر مختصر نوٹ لکھیں۔
- (vii) سلیٹی مواد سے کیا مراد ہے۔
- (viii) ابراژن کیا ہے؟
- (ix) بارخانہ پر مختصر نوٹ لکھیں۔
- (x) براعظمی ڈھلان سے کیا مراد ہے۔
- (xi) کم رواج سے کیا مراد ہے؟
- (xii) بحیرہ روم کی رو کے متعلق لکھیں۔

6x2=12

- Define Humidity.
- What is meant by annual range of temperature.
- Differentiate between weather and climate.
- Write the names of pressure belts.
- Define Cyclones.
- Write a note on Chinook.
- What is meant by pressure of wind.
- Write two types of Monsoon winds.
- How mountains effect physical environment.

- نوٹ: کوئی سے چھ اجزاء کے مختصر جوابات تحریر کریں۔
- (i) رطوبت کی تعریف کیجئے۔
- (ii) سالانہ تفاوت درجہ حرارت سے کیا مراد ہے۔
- (iii) موسم اور آب و ہوا کے فرق واضح کریں۔
- (iv) کربہ اور کم پریشر کے خطوں کے نام لکھیں۔
- (v) سائیکلون کی تعریف کیجئے۔
- (vi) چینوک پر نوٹ لکھیں۔
- (vii) ہوا کے دباؤ سے کیا مراد ہے۔
- (viii) مون سون ہواؤں کی دو اقسام لکھیں۔
- (ix) پہاڑ کس طرح طبعی ماحول پر اثر کرتے ہیں۔

P.T.O.

Part ----- II

(حصہ دوم)

Note: Attempt any three questions from the following.

8x3=24

نوٹ: کوئی سے تین سوالات کے مجموعہ میں تین سوالات لکھیں۔

Q. 5 Write a detailed note on the internal structure of the earth.

سوال نمبر 5 زمین کی اندرونی ساخت پر تفصیلی نوٹ لکھیں۔

Q.6 Describe in detail the classification of mountains according to their formation.

سوال نمبر 6 بناوٹ کے لحاظ سے پہاڑوں کی جماعت بندی تفصیل سے بیان کیجئے۔

Q.7 Write in detail on the types of Glacial Deposits.

سوال نمبر 7 گلیشیئر کے مطروحات کتنی قسم کے ہوتے ہیں ان کی تفصیل تحریر کیجئے۔

Q.8 Describe in detail about the Ocean Floor.

سوال نمبر 8 سمندر کے فرش کے بارے میں تفصیل بیان کیجئے۔

Q.9 Describe in detail about the types of Rain.

سوال نمبر 9 بارش کی اقسام اور ان کے بارے میں مفصل بیان کریں۔

Part ----- III

(حصہ سوم)

Note: Attempt any three questions from the following.

5x3=15

نوٹ: کوئی سے تین سوالات کے مجموعہ میں تین سوالات لکھیں۔

Q.10 Write a note on parallel of longitude and latitude.

سوال نمبر 10 خطوط طول بلد اور خطوط عرض پر نوٹ لکھیں۔

Q.11 Write a note on the types of North.

سوال نمبر 11 شمال کی اقسام پر نوٹ لکھیں۔

Q.12 Define Map and write its types.

سوال نمبر 12 نقشے کی تعریف لکھیں اور اس کی اقسام تحریر کریں۔

Q.13 Define Scale and write down merit and demerits of Statement of Scale.

سوال نمبر 13 پیمانے کی تعریف لکھیں اور بیان پیمانہ کی خوبیاں اور خرابیاں تحریر کریں۔

Q.14 Write a note on Barometer and Rain Guage.

سوال نمبر 14 بارومتر اور مقیاس المطر (Rain Guage) پر نوٹ لکھیں۔

Assessment Scheme

For Geology 11th Part I Session 2012-13 & ONWARD
Time:3 : 30 hrs
Total Marks:- 100

Sr. No	Chapters Name	Weightage	Distribution of Marks	M.C.Qs				Short Answer Questions		Essay Type Questions				Questions relating to Practicals			
				Allotted Marks 17				Allotted Marks 44		Allotted Marks 24				Allotted Marks 15			
				Q. to be asked 17 Q. to be attempted 17				Q. to be asked 33 Q. to be attempted 22		Q. to be asked 5 Q. to be attempted 3				Q. to be asked 5 Q. to be attempted 3			
				Time 20 Minutes				Time 3 Hours & 10 Minutes									
				K	U	A	Total Marks	K	U	A	Total Marks	K	U	A	Total Marks		
1	Physical Weathering	7 %	9	1	-	-	1	2	-	-	4	1	-	-	4	Question No.10=5 marks	
2	Chemical Weathering	6 %	7	1	-	-	1	1	-	-	2	-	1	-	4		
3	Streams	7 %	9	1	-		1	2	1	1	8	-	-	-	-		
4	Stream Erosion	10 %	12	1	1	-	2	1	1	1	6	-	1	-	4	Question No.11=5 marks	
5	Ground Water I	7 %	9	1	-	-	1	1	-	1	4	1	-	-	4		
6	Ground Water II	8 %	10	1	-	1	2	1	1	-	4	1	-	-	4	Question No.12 =5 marks	
7	Crystallography	6 %	7	1	-	-	1	1	1	1	6	-	-	-	-		
8	Symmetry	7 %	9	1	-	-	1	-	1	1	4	1	-	-	4	Question No.13 =5 marks	
9	Minerals	6 %	7	1	-	-	1	1	-	1	4	1/2	-	-	2		
10	Eco Minerals	5 %	6	-	-	-	-	1	1	-	4	1/2	-	-	2	Question No.14 =5 marks	
11	Magma	6 %	7	1	-	-	1	1	1	1	6	-	-	-	-		
12	Igneous Rocks	10 %	12	1	1	-	2	2	1	-	6	1	-	-	4		
13	Metamorphic Rocks	7 %	9	1	-	-	1	-	1	1	4	-	1	-	4		
14	Sedimentary Rocks	8 %	10	1	1	-	2	1	1	-	4	1	-	-	4		
Total			123+25=148	17				66				40		25			

Important Note:- 1) K= Knowledge.

U= Understanding / Comprehension

A= Application & Analysis

- 2) This scheme of Assessment is prepared as per 33% choice in short answer questions, essay questions & questions relating to practicals.
- 3) In order to promote the cause of concept based learning at least 10 % questions must be unseen or of daily life but relating to specified learning outcomes of Curricula & Syllabi. This portion will increase @ 10% annually but not more than 30%.
- 4) The questions relating to practical will be asked from the practical Note Book as per chapter were detail given in the curriculum and syllabi 2006.
- 5) The Practical will be conducted at the end of 12th Class which is mandatory to qualify for award of certificate.
The Practical assessment will be made in the form of grading as per following criteria.
A+= 90% & above, A=80% to 89%, B= 70% to 79%, C= 60% to 69%, D= 50% to 59%, E= 40% to 49%, F= Fail = 40% & below

Model Paper Geology Objective

Intermediate Part – I (11th Class) Examination Session 2012-2013 and onward

Total marks: 17 Paper Code _____ Time Allowed: 20 minutes

Note:- You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

Q No.1	Question	A	B	C	D
1	Water expands on	Boiling	Freezing	Heating	None
2	$\text{H}_2\text{O} + \text{CO}_2 \rightarrow$	H_3CO_3	HC_3O_3	H_2CO_3	H_3CO_2
3	Lime stone is metamorphosed into	Chalk	Dolomite	Quartzite	Marble
4	Argillaceous rocks composed of	Sand	Pebbles	Clay	Carbon
5	Evaporated is a rock	Physical	Chemical	Organic	None
6	Silica components in basic rocks are	66 %	55–65 %	45–55 %	Less than 45 %
7	Texture of volcanic rock	Fine	Medium	Coarse	Pheno
8	Magma is a material	Gas	Solid	Molten	None
9	Ox-bow lake present in	DB.	Base level	Meanders	Old age
10	Corrosion is a process	Physical	Chemical	Deposition	Transportation
11	Peneplain is present in	Youth	Mature	Old age	Erosion
12	Stalagmites are formed on	Roof	Ceiling	Floor	Walls
13	Sink is a cavity	Close	Open	Both	None
14	Zone of aeration has belts	2	3	4	5
15	Hardness of topaz	6	7	8	9
16	Planes of cube	7	8	9	13
17	Pyrite is ore of	Iron	Sulphur	Copper	Carbon

Model Paper Geology Subjective

Intermediate Part – I (11th Class) Examination Session 2012-2013 and onward

Total marks: 83

Time: 3:10 hours

Section – I

Q. No: - 2 Attempt any Eight short questions from the followings:

8×2=16

- (i) Define hydration.
- (ii) Explain crystal.
- (iii) Write Inter facial angle.
- (iv) What do you know about magma.
- (v) Write plutonic rocks.
- (vi) Elaborate acidic igneous rock.
- (vii) Uses of gypsum.
- (viii) Composition of magma.
- (ix) Explain batholith.
- (x) What do you know about magnetite.
- (xi) Write Extrusive Rocks.
- (xii) Differentiate between surface and ground water.

Q. No: - 3 Attempt any Eight short questions from the followings:

8×2=16

- (i) Write frost action.
- (ii) Define disintegration.
- (iii) Abrasion by stream.
- (iv) Explain bed load.
- (v) Define drainage basin.
- (vi) Write ultimate base level.
- (vii) Elaborate metamorphism.
- (viii) Differentiate between mineral and rock.
- (ix) Define porosity.
- (x) Write streak.
- (xi) Explain regional metamorphism.
- (xii) Importance of hydrological cycle.

Q. No: - 4 Attempt any Six short questions from the followings:

6×2=12

- (i) Briefly describe Arenaceous rock.
- (ii) Define Meanders.
- (iii) Write and draw rectangular pattern.
- (iv) Explain mature stage of valley.
- (v) Elaborate cavern.
- (vi) Write Stalactites.
- (vii) Define sedimentary rock.
- (viii) Write cubic system.
- (ix) Explain principal components of cement.

Section – II

Note: Attempt any three questions.

8×3=24

- Q. No: - 5** (a) Write in detail discordant Ign. Rocks.
(b) Explain texture of metamorphic rocks.
- Q. No: - 6** (a) Elaborate two processes of physical weathering.
(b) Write organically formed sedimentary rocks.
- Q. No: - 7** (a) Briefly describe cycle of erosion.
(b) Write deposition of ground water.
- Q. No: - 8** (a) Explain oxidation and leaching.
(b) Write any two energy mineral resources in Pakistan.
- Q. No: - 9** (a) Discuss plane of symmetry and axis.
(b) Write and draw zone of aeration.

Section – III (Practical)

Note: Attempt any three Question.

5×3=15

- Q. No: - 10** (a) Draw two topographic features. 3
(b) Write hardness of gypsum and apatite. 2
- Q. No: - 11** Define specific gravity. Write its formula.
- Q. No: - 12** $W_a = 250$ gms
 $W_w = 150$ gms
Calculate S. G.
- Q. No: - 13** Hardness of mineral from
3 – 7
- Q. No: - 14** Define topography. Draw a feature with contour values
1100, 1200, 1300, 1400, 1500

Assessment Scheme

For Health & Physical Education 11th Part I Session 2012-13 & ONWARD
Time: 03:30 hrs
Total Marks:- 100

Sr. No	Chapters Name	Weightage	Distribution of Marks	M.C.Qs				Short Answer Questions				Essay Type Questions				Questions relating to Practicals	
				Allotted Marks 17				Allotted Marks 44				Allotted Marks 24				Allotted Marks 15	
				Q. to be asked 17 Q. to be attempted 17				Q. to be asked 33 Q. to be attempted 22				Q. to be asked 5 Q. to be attempted 3				Q. to be asked 5 Q. to be attempted 3	
				Time 20 Minutes				Time 3 Hours & 10 Minutes									
				K	U	A	Total Marks	K	U	A	Total Marks	K	U	A	Total Marks		
1	تعلیم جسمانی	4 %	5	1	-	-	1	2	-	-	4	-	-	-	-		
2	اغراض و مقاصد	10 %	12	-	-	-	-	-	2	-	4	1	-	-	8		
3	تفریح و تعلیمی جونا ننگ	14 %	18	1	1	-	2	3	2	3	16	-	-	-	-		
4	منظم کھیل	19 %	23	3	1	1	5	3	1	1	10	-	-	1	8		Question No.10= 5Marks
5	کسرتی کھیل کے ضابطے	21 %	26	2	1	1	4	3	2	2	14	1	-	-	8		Question No.11= 5Marks
6	علم الصحف	4 %	5	-	1	-	1	1	1	-	4	-	-	-	-		Question No.12= 5Marks
7	سہنی جسم اور اس کی کارکردگی	14 %	17	1	-	-	1	2	1	1	8	1	-	-	8		Question No.13= 5Marks
8	فائدہ بخش	2 %	3	1	-	-	1	1	-	-	2	-	-	-	-		Question No.14= 5Marks
9	ابتدائی طبی امداد	11 %	13	1	-	-	1	1	1	-	4	1	-	-	8		
10	متعدی امراض	1 %	1	-	-	1	1	-	-	-	-	-	-	-	-		
Total		100 %	123+25=148	17				66				40				25	

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ماڈل پیپر فزیکل ایجوکیشن (معروضی) جماعت گیارھویں (تعلیمی سیشن 13-2012 وما بعد) انٹرمیڈیٹ پارٹ (ا)

کل نمبر: 17

وقت: 20 منٹ

نوٹ: ہر سوال کے چار تہہ ہوا ت C, B, A اور D دیئے گئے ہیں۔ جوابی کاغذ پر ہر سوال کے سامنے دیئے گئے دائروں میں سے درست جواب کے مطابق متعلقہ دائرہ کو مارکر چھین سے بھر دیجئے۔ تاہم دو یا زائد دائرے بھر کر کے پکا نہ کر کے کی صورت میں مذکورہ جواب غلط تصور ہوگا۔

Note:- You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that questions number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

(D)	(C)	(B)	(A)	Questions	Q.1
مسائل پیدا کرنے To create problems	بیماری پیدا کرنے To create diseases	پریشانیاں پیدا کرنے To create worries	جسمانی نشوونما Physical Development	تعلیم جسمانی کا مقصد ہے۔ An objective of physical education is	1
کمزوری Weakness	بیماری Illness	سستی Laziness	پختگی Activeness	جمناٹک ہمارے جسم میں پیدا کرتی ہے۔ Gymnastic creates in our body	2
کسی بھی وقت Any time	شام کے وقت Evening time	صبح کے وقت Morning time	فرصت کے اوقات میں Leisure time	تفریحی سرگرمیاں کس وقت اختیار کی جاتی ہیں۔ When Recreational activities are adopted	3
2m	1.50m	1m	50cm	بالےٹ نیٹ کی چوڑائی ہوتی ہے۔ The width of volley ball Net is	4
18m	15m	9m	7m	بالےٹ بال کورٹ کی لمبائی ہوتی ہے۔ The length of volley ball court is	5
9m	8m	6m	3m	بالےٹ بال میں سروس ایریا ہوتی ہے۔ In volley ball service area is	6
2.55m	2.50m	2.135m	2m	گولڈ پھینکنے کے دائرہ کا قطر ہوتا ہے۔ Diameter of shot putt circle is	7
45 degree	40 degree	34.92 degree	29 degree	گولڈ پھینکنے کے سیکٹر کا زاویہ ہوتا ہے۔ Angle of shot put sector is	8
25 m	20 m	15 m	10 m	100x4 میٹر ڈاک دوڑ میں تبدیلی کا علاقہ ہوتا ہے۔ Changing zone in 4x100m Relay race is	9
30 cm	20 cm	15 cm	5 cm	100x4 میٹر ڈاک دوڑ میں بیٹن کی لمبائی ہوتی ہے۔ Length of Baton in 4x100 m relay race is	10
جے۔ بی۔ نیش J.B.Nash	جان ڈیوی John Devi	جان لاک John lock	ارسطو Aristotle	ایہ صحت مند دماغ کا مضبوط جسم بنانے کا پسندیدہ ہے۔ Who said "A", sound mind is in a sound body	11
15	11	8	5	انسانی جسم میں کل کتنے نظام ہوتے ہیں۔ How many systems are there in a human body.	12
26	25	15	10	انسانی پاؤں میں کتنے ہڈیاں ہوتی ہیں۔ How many bones are there in a human foot.	13
شکستگی Fracture	عضلاتی تناؤ Muscle cramp	عضلاتی کھچاؤ Pulled Muscle	موچ Sprain	جوت کا ناگہان سے موچنا کہلاتا ہے۔ Sudden twisting of a joint is called.	14

15	متعدی امراض پھیلتی ہیں۔ Infection diseases spread through.	ہوا Air	دوا Medicines	نندوست آدمی Healthy man	سردی Cold
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Only for Boys

صرف لڑکوں کیلئے

16	فٹ بال کے ٹپے میچ میں کل کتنی تبدیلیاں ہوتی ہیں۔ How many changes are there in a Foot Ball match.	2	3	4	5
17	ہاپ سٹپ میں اکھڑہ کی چوڑائی ہوتی ہے۔ The width of jumping pit in Hop step & jump is	2m	2.50m	2.75m	3m

Only for Girls

صرف لڑکیوں کیلئے

16	نیٹ بال کورٹ کی لمبائی ہوتی ہے۔ Length of Net Ball court is	25 m	30 m	30.50 m	40 m
17	خواتین کیلئے تھالی کا وزن ہوتا ہے۔ Weight of discus for women is	1 kg	1.50 kg	2 kg	2.50 kg

☆☆☆☆☆☆☆☆

حصہ اول

2۔ درج ذیل میں سے کوئی سے آٹھ احادیث کے مختصر جوابات تحریر کریں۔

- (i) جے۔ بی ٹی میں کے مطابق تعلیم جسمانی کی تعریف بیان کریں۔
(ii) ذہنی و جسمانی نشوونما سے کیا مراد ہے۔
(iii) تعلیمی جسمانی کے متعلق تین تین نقطہ بیان کریں۔
(iv) تعلیم جسمانی کے دو نچوڑ لکھیں۔
(v) تعلیمی جسمانسٹک کی تعریف لکھیں۔
(vi) تعلیمی جسمانسٹک کے دو نچوڑ لکھیں۔
(vii) وارم اپ کیوں ضروری ہے۔
(viii) تعلیمی جسمانسٹک کے سبق کے دوران تین دو حرکات ضروری ہیں۔
(ix) تفریح سے کیا مراد ہے۔
(x) موجودہ دور میں تفریح کی اہمیت لکھیں۔
(xi) تفریح کی تین تین اقسام لکھیں۔
(xii) تفریح میں محتاطی تین تین مہیاں کہاوتی ہیں۔

3۔ درج ذیل میں سے کوئی سے آٹھ احادیث مختصر جواباً نقل فرمائیے۔

- (i) ایبل میں 'دیر' کھلاڑی چھوٹ لکھیں۔
(ii) ایبل میں روٹینہ چھوٹ لکھیں۔
(iii) ایبل میں سروں کی دو غلطیاں لکھیں۔
(iv) گولر پھینکنے کے دو فوائد بتائیے۔
(v) ایبل میں سیرس، انڈیچہ، گے سٹاپ، بورڈ کی مکمل پیمائش لکھیں۔
(vi) 100×4 پیکر ڈاک دوڑ میں بیٹن کی ساہجے اور وزن لکھیں۔
(vii) 100×4 پیکر ڈاک دوڑ میں ایبل ٹیم کل کتنا فاصلہ طے کرتی ہے۔
(viii) 100×4 پیکر ڈاک دوڑ کے دو فوائد لکھیں۔

صرف طلباء کیلئے

- (ix) قنبل میں تھرو: بھنٹ لکھیں۔
 (x) قنبل میں فری کلک کی اقسام لکھیں۔
 (xi) - بمب کے تین فوائد لکھیں۔
 (xii) - بمب میں ٹیک آف بورڈ کی پیمائش لکھیں۔

Only for Girls

- ix) How Net Ball Game is started.
x) How many parts are there in Net Ball Court.
xi) Write about the Diameter of Discus Throw Circle.
xii) Write two foules of Discus throw.

4-Answer briefly any six parts from the following. 6x2=12

- i) Define Health Education by Thomas wood.
ii) Wheat is meant by Mental Health.
iii) Define cell.
iv) There are how many blood circulations in human body also write their names.
v) Explain briefly the "Expiration"
vi) Write a note on larynx.
vii) Define good posture.
viii) Define first aid.
ix) Explain "R I C E".

صرف طالبات کیلئے

- (ix) نیٹ بال میں کھیل کا آغاز کیسے ہوتا ہے۔
(x) نیٹ بال کا کورٹ کتنے حصوں پر مشتمل ہوتا ہے۔
(xi) تھالی پھینکنے میں گول کا قطر کتنا ہوتا ہے۔
(xii) تھالی پھینکنے کے دو فاول لکھیں۔

4-درج ذیل میں سے کوئی سے چھ اجزاء مختصر جواب دہ کرئیں۔

- (i) تھامس وڈ کے مطابق علمِ صحت کی تعریف لکھیں۔
(ii) ذہنی صحت سے کیا مراد ہے۔
(iii) خلیہ کی تعریف بیان کریں۔
(iv) انسانی جسم میں خون کتنے دہریوں میں گردش کرتا ہے؟ نام لکھیں۔
(v) ہر آدمی تنفس سے کیا مراد ہے؟ مختصر وضاحت کریں۔
(vi) آلہ صوحت پر نوٹ لکھیں۔
(vii) اچھی قامت کی تعریف لکھیں۔
(viii) ابتدائی طبی امداد سے کیا مراد ہے۔
(ix) "RICE" سے کیا مراد ہے۔ وضاحت کریں۔

Part-II

Note:- Attempt any three questions. 8x3=24

- 5-Narate aims and objectives of Physical Education in detail.
6-Draw a Sketch of Volley Ball Court. Write all diamentions of "Net" also.
7-Write the rules of "Shot Put" throw.
8-Explain the organs which take part in the circulatory system.
9-Write a detail note on the following.
(i) Pulled Muscle (ii) Muscle Cramp

حصہ دوم

- نوٹ: کوئی سے تین سوالات نئے جوابات تحریر کریں۔
5-تعلیم جسمانی کے اغراض و مقاصد تفصیلاً بیان کریں۔
6-ہال بال کورٹ کا خاکہ بنا لیں۔ ہر کسی تمام پیمائش بھی لکھیں۔
7-گولہ پھینکنے کے قوانین تحریر کریں۔
8-مردم دوران خون میں کون کون سے اعضاء حصہ لیتے ہیں وضاحت کریں۔
9-درج ذیل پر تفصیلاً نوٹ لکھیں۔
(i) عضلاتی کچھاؤ (ii) عضلاتی تناؤ

Part-III

Note:- Attempt any three questions. 5x3=15

- 10-Write only two exercise of belly.
11-Write method of "forward role".
12-Write a note on Blocking in Volley ball.
13-Write method of Gliding in putting the Shot.
14-Write the method of Baton changing in 4x100 m Relay race.

حصہ سوئم

- نوٹ: کوئی سے تین سوالات نئے جوابات تحریر کریں۔
10-پہٹ کی دو ورزشیں لکھیں۔
11-بیمے میں تاپہ زنی لگانے کا نمبر بیان لکھیں۔
12-ہال بال میں بلاکنگ پر نوٹ لکھیں۔
13-گولہ پھینکنے میں گلائڈنگ کا نمبر بیان لکھیں۔
14-4x100 میٹر ڈاک دوڑ میں بیٹن تبدیل کرنے کا نمبر بیان کریں۔

Assessment Scheme

For Home Economics 11th Part I Session 2012-13 & ONWARD
Time: 03:30 hrs
Total Marks:- 100

Sr. No	Chapters Name	Weightage	Distribution of Marks	M.C.Qs				Short Answer Questions				Essay Type Questions				Questions relating to Practicals	
				Allotted Marks 17				Allotted Marks 44				Allotted Marks 24				Allotted Marks 15	
				Q. to be asked 17 Q. to be attempted 17				Q. to be asked 33 Q. to be attempted 22				Q. to be asked 5 Q. to be attempted 3				Q. to be asked 5 Q. to be attempted 3	
				Time 20 Minutes				Time 3 Hours & 10 Minutes				Time 3 Hours & 10 Minutes					
				K	U	A	Total Marks	K	U	A	Total Marks	K	U	A	Total Marks		
1	Child Development	4.87 %	6	1	1	-	2	2	-	-	4	-	-	-	-		
2	Personality Development	9.75 %	12	-	-	-	-	1	-	1	4	1	-	-	8		
3	Family	2.43 %	3	-	1	-	1	-	1	-	2	-	-	-	-		
4	Child Guidance	10.56 %	13	1	-	-	1	-	1	1	4	-	-	1	8		
5	Home Management	17.88 %	22	1	1	-	2	2	2	2	12	1	-	-	8		Question No.10=5marks
6	Means & Resources	5.69 %	7	1	-	-	1	1	1	1	6	-	-	-	-		
7	Fatigue	4.06 %	5	-	-	1	1	1	-	1	4	-	-	-	-		Question No.11=5marks
8	Budget	10.56 %	13	-	1	-	1	1	-	1	4	-	1	-	8		Question No.12=5marks
9	Health & Care	1.62 %	2	-	-	-	-	-	-	1	2	-	-	-	-		Question No.13=5marks
10	First Aid	2.43 %	3	1	-	-	1	1	-	-	2	-	-	-	-		Question No.14=5marks
11	Application of Art	5.69 %	7	-	-	1	1	1	1	1	6	-	-	-	-		
12	Design	3.25 %	4	1	1	-	2	1	-	-	2	-	-	-	-		
13	Elements of Design	21.13 %	26	2	1	1	4	4	2	1	14	1	-	-	8		
Total				17				66				40				25	

Important Note:- 1) K= Knowledge.

U= Understanding / Comprehension.

A= Application & Analysis.

2) This scheme of Assessment is prepared as per 33% choice in short answer questions, essay questions & questions relating to practicals.

3) In order to promote the cause of concept based learning at least 10 % questions must be unseen or of daily life but relating to specified learning outcomes of Curricula & Syllabi. This portion will increase @ 10% annually but not more than 30%.

4) The questions relating to practical will be asked from the practical Note Book as per chapter were detail given in the curriculum and syllabi 2006.

5) The Practical will be conducted at the end of 12th Class which is mandatory to qualify for award of certificate.

The Practical assessment will be made in the form of grading as per following criteria.

A+= 90% & above, A=80% to 89%, B= 70% to 79%, C= 60% to 69%, D= 50% to 59%, E= 40% to 49%, F= Fail = 40% & below

کل نمبر 17

Paper Code ---

وقت 20 منٹ

نوٹ:- ہر سوال کے ہوا مکملہ تمام A , B , C اور D دیئے گئے ہیں۔ جوابی کاغذ ہر سوال کے سامنے دیئے گئے ہیں۔ اس میں سے وہ جواب کے مطابق منتخب کیا جائے گا۔ ہر سوال کے صحیح سے بھر دیجئے۔ یہ تمام سوال کو پُر کرنے کا ٹکڑا کرنے کی صورت میں مذکورہ جواب غلط تصور ہوگا۔

Q.1	QUESTIONS	(A)	(B)	(C)	(D)
1	تواریفی خصوصیات میں شامل ہیں۔	تہلی	جنس	حد	چندہتی نشوونما
2	مناظرانہ تہذیب ادارہ ہے۔	ثقافتی	کثیرالاعمال	غیردی اکائی	ساتھ نمونہ
3	بچہ کی تعلیمی تربیت کیلئے ضروری ہے۔	اصول وضوابط کی پابندی	عادت کی پختگی	تعلیمی قدری	دیکھ بھال
4	بچے کی جسمانی نشوونما کے ادوار ہیں۔	2 ادوار	3 ادوار	4 ادوار	5 ادوار
5	انتظام کا عمل مشتمل ہے۔	ذاتی سوچ اور حکمت عملی	لوگوں کا مشورہ	تجربہ کاری	بہ اندازان
6	مقامیہ نمائندہ نمائندہ ہے۔	2 اقسام	3 اقسام	5 اقسام	7 اقسام
7	غیر اندہنی ذرائع پائے جاتے ہیں۔	مائع حالت میں	مادی حالت میں	ٹھوس حالت میں	توانائی کی صورت میں
8	جسمانی امعاء کا غلط استعمال فراہم کرتا ہے۔	تھکن	قوت میں کمی	کامیاب رہنا	پریشانی
9	آمدنی کے لحاظ سے ممالک انقسمت میں ہیں۔	دو	تین	چھ	سات
10	ذخیرہ کاری سے مراد ہے۔	معمولی اشیاء کو ذخیرہ کرنا	چیزوں کو ہمیشہ بے نیام نہ رکھنا	نیام نہ رکھنا	چھوٹی اشیاء
11	چھوت کا مرض لاحق ہوتا ہے۔	جراثیم سے	نیام فرد سے دوسرے فرد کو	نیام پانی پینے سے	سردی لگنے سے
12	توانائی سے مراد ہے۔	ڈرائنگ	نفس پرستی	کسی بھی چیز کی بناوٹ و ہیئت	گول چیزیں
13	بناوٹ کے لحاظ سے عجیب و غریب اشیاء بنائے جاتے ہیں۔	سجادہ بنائے جاتے ہیں	قدرتی اشیاء بنائے جاتے ہیں	تجربہ بنائے جاتے ہیں	توانائی بنائے جاتے ہیں
14	افقی خطوط سے تعبیر کرتی ہے۔	دائریہ، لکیریہ اور بیضیہ	اوپر سے نیچے	آگے پیچھے	صرف سامنے کی طرف
15	غیر دی رنگوں کو آپس میں ملانے، ملا کر دیکھنا ہے۔	درمیان میں	گہرائی میں	عمق میں	دوہرہ میں
16	آرٹ کے اصولوں میں شامل ہے۔	خطوط اور اشکال	توازن اور نمونہ	توازن، تسلسل، ہم آہنگی	نمونہ اور ٹیکچر
17	تسلسل پیدا کیا جاسکتا ہے۔	کسی نمونہ کو تکرار کرنا	چیزوں کو اکٹھا کرنے سے	گہرے نمونہ کے استعمال سے	تہذیب جیسی اشیاء کی سجادہ سے

Part----- I

حصہ اول

8x2=16

2۔ نوٹ: کوئی سے آٹھ ا کے مختصر اچھا بتا کر دیں۔

- نشوونہ کی تعریف کریں۔
- نشوونہ کے مدارج بتا کر دیں۔
- شخصیت کی تعریف کریں۔
- معاہدہ کے فرائض کون سے ہیں؟
- بچوں کی راہنمائی کے اصول کون سے ہیں؟
- ذرائع وسائل کی کیا خصوصیات ہیں؟
- معاہدہ کیوں ضروری ہے؟
- نفسیاتی تھکن سے کیا مراد ہے؟
- آپ کن کس باتوں سے اپنی آمدنی میں اضافہ کرتے ہیں؟
- سٹوریج کو بہترین بنانے کے چار اصول بتائیے۔
- کیا آپ نے گھر میں کسی بیمار کی تیمارداری کی ہے؟ آپ نے کیا باتوں کا خیال رکھا؟
- بچوں کے مسائل حل کرنے کی کیا باتیں لکھیں۔

8x2=16

3۔ نوٹ: کوئی سے آٹھ ا کے مختصر اچھا بتا کر دیں۔

- فہرست اچھا سے کیا مراد ہے؟
- تھکاوٹ کیسے دور کی جاسکتی ہے؟
- تین تین لکھیں۔ پوائنٹس کے کہتے ہیں؟
- Tint کسے کہتے ہیں؟
- عمودی خطوط کسے کہتے ہیں؟
- اوپر چھت کے کمرے میں سے پردے لگانے چاہئیں؟
- بیرودی، نمونہ کون سے ہیں؟
- مقابل کا امتزاج کسے کہتے ہیں؟
- رنگوں کی رنگی، نمونہ ہڈی والی رنگی ہے؟
- توازن کی کتنی اقسام ہیں؟
- فلسفہ حیات سے کیا مراد ہے؟
- کستانی نمونہ ان کی چند اقدار لکھیں۔

6x2=12

4۔ نوٹ: کوئی سے آٹھ ا کے مختصر اچھا بتا کر دیں۔

- بجٹ کی کتنی اقسام ہیں؟
- مقاصد کی تعریف کریں۔
- ذرائع وسائل کی تعریف کریں۔
- اقدار کے معنی لکھیے۔
- اقدار کی اقسام کون سی ہیں؟
- کون سی اشیاء اور آلات وقت اور قوت بچاتے ہیں؟
- آرام دہ گھر کی تعریف کریں۔
- گھر کی آرائش میں سے۔ پودہ کس چیز کو اہمیت حاصل ہے؟
- اپنی ذات سے پائی جانے والی چار خوبیاں اور خامیاں تحریر کریں۔

P.T.O.

(حصہ دوم)

$$8 \times 3 = 24$$

نوٹ: کوئی سے تین سوالات کے ہذا امتحان پُر کیجئے۔

سوال نمبر 5 غریب افغانی ضرورت کیا ہیں؟ فیڈی ضرورت اور ان کی اہمیت کو سمجھنے کے لئے! ایہم ماسلو کے کن مدارج کا مطالعہ ضروری ہے؟

سوال نمبر 6 اپنے گھر کے ماحول اور شخصیت کو بہتر بنانے کیلئے آپ کن عادات کو اپنانے کی کوشش کریں گے اور کیوں؟

سوال نمبر 7 انتظام خانہ داری سے کیا مراد ہے؟ تفصیلاً لکھیں۔

سوال نمبر 8 درج ذیل پتہ نوٹ لکھیں:

(الف) تخمینہ آمدنی و خرچ (ب) ذخیرہ کاری

سوال نمبر 9 پڑھنا اُن کے کہتے ہیں "پڑھنا اُن کے عناصر کتنے ہیں؟ کسی ایک سے زائد کے تفصیلی لکھیں۔

(حصہ سوم) پیکٹیکل

$$5 \times 3 = 15$$

نوٹ: کوئی سے تین سوالات کے ہذا امتحان پُر کیجئے۔

سوال نمبر 10 اپنے لئے دن کے چوبیس نشستوں کی تقسیم کا گوشوارہ تیار کریں۔

سوال نمبر 11 کم آمدنی والے گھرانے کے لئے میزاج بنائیں۔

سوال نمبر 12 مریض کا بستر کیسے تیار کیا جاتا ہے؟

سوال نمبر 13 عمودی، افقی اور جڑھے خطوط بنائیں۔

سوال نمبر 14 گھر میں ماحول سے بچاؤ کے کئے آپ کیا حفاظتی اقدامات کرتے ہیں؟

Assessment Scheme

For Library Science 11th Part I Session 2012-13 & ONWARD
Time: 03:30 hrs
Total Marks:- 100

Sr. No	Chapters Name	Weightage	Distribution of Marks	M.C.Qs				Short Answer Questions				Essay Type Questions				Questions relating to Practicals	
				Allotted Marks 17				Allotted Marks 44				Allotted Marks 24				Allotted Marks 15	
				Q. to be asked 17 Q. to be attempted 17				Q. to be asked 33 Q. to be attempted 22				Q. to be asked 5 Q. to be attempted 3				Q. to be asked 5 Q. to be attempted 3	
				Time 20 Minutes				Time 3 Hours & 10 Minutes									
				K	U	A	Total Marks	K	U	A	Total Marks	K	U	A	Total Marks		
1	Nature and Types of Libraries and their Use	25.2 %	31	3	1	1	5	2	1	6	18	1	-	-	8		
2	Nature and Type of Library Material	25.2 %	31	1	-	4	5	3	2	4	18	1	-	-	8	Question No.10= 5Marks	
3	History of Books and Libraries	14.6 %	18	2	-	-	2	1	1	2	8	-	1	-	8	Question No.11= 5Marks	
4	Use of Library Material	20.3 %	25	1	1	1	3	1	1	5	14	-	-	1	8	Question No.12= 5Marks	
5	Meaning and Concept of Information	14.6 %	18	-	1	1	2	1	1	2	8	-	1	-	8	Question No.13= 5Marks Question No.14= 5Marks	
Total				17				66				40				25	

Important Note:- 1) K= Knowledge.

U= Understanding / Comprehension.

A= Application & Analysis.

2) This scheme of Assessment is prepared as per 33% choice in short answer questions, essay questions & questions relating to practicals.

3) In order to promote the cause of concept based learning at least 10 % questions must be unseen or of daily life but relating to specified learning outcomes of Curricula & Syllabi. This portion will increase @ 10% annually but not more than 30%.

4) The questions relating to practical will be asked from the practical Note Book as per chapter were detail given in the curriculum and syllabi 2006.

5) The Practical will be conducted at the end of 12th Class which is mandatory to qualify for award of certificate.

The Practical assessment will be made in the form of grading as per following criteria.

A+= 90% & above, A=80% to 89%, B= 70% to 79%, C= 60% to 69%, D= 50% to 59%, E= 40% to 49%, F= Fail = 40% & below

نوٹ:- ہر سوال کے چار مختلف جوابات A, B, C اور D دیئے گئے ہیں۔ جوابی کانپ پر ہر سوال کے سامنے دیئے گئے دائروں میں سے درست جواب کے مطابق صحیح دائرہ کو مارکر یا پتی سے بھر دیجئے۔
 1. دائرہ کو مارکر یا پتی سے بھر دیجئے۔

Note:- You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

(D)	(C)	(B)	(A)	QUESTIONS	Q.1
عربی زبان سے Arabic Language	لاٹین زبان سے Latin Language	اردو زبان سے Urdu Languge	انگریزی زبان سے English Language	The Word Library drives from	1
کانپی رائٹ کے قانون کے مطابق Through Copy right act	A & B دونوں Both A & B	خرید و بیع ہے Purchase	تحائف Gift	The source of acquisition of books in National Library is	2
فامیلی Families	A & B دونوں Both A & B	اساتذہ Teachers	طلباء Students	Academic Library relates to	3
2	3	5	4	The Types of Libraries are	4
کتاب Book	A & B دونوں Both A & B	ہنر Skill	علم Knowledge	Library Science is	5
4	3	6	5	Dr. Ranganathan Principles are	6
4	3	5	2	Basic types of Library material are	7
23	79	21	49	The minimum pages of books are	8
پاپیرس بائڈنگ Papyrus Binding	پلاسٹک بائڈنگ Plastic Binding	پیپر بائڈنگ Paper Binding	فٹو بائڈنگ Photo Binding	PB is abbreviation of	9
1945	1920	1852	1825	Micro film invented in	10
دو بار Twice	ایک بار Once	مخصوص اوقات کے بعد With constant frequencies	مختلف اوقات میں With different frequencies	The Journals publish	11
چائنا China	پاکستان Pakistan	بنگلہ دیش Bangladesh	انڈیا India	From which country daily newspaper The Jung publishes?	12
1745 میں In 1745	1624 میں In 1624	452 قبل مسیح میں In 452 BC	300 قبل مسیح میں In 300 BC	Cuneiform writing invented in	13
24	25	26	36	Total No. of Urdu alphabets is	14
24	21	26	29	Total No. of Arabic alphabets is	15
تمام A, B اور C All A, B & C	سی ڈی تلاش کرنے کیلئے CD search	رسائل تلاش کرنے کیلئے Journal search	کتاب تلاش کرنے کیلئے searchBook	Call Number is used for	16
1899 میں In 1899	1821 میں In 1821	1925 میں In 1925	1959 میں In 1959	The word information first used in	17

Part ----- I

8x2=16

- From which language the word "Library" drives?
Define Library.
Write names of any three academic libraries of Pakistan.
Who introduced Five Basic principles of Library Science?
Who can get the membership of Special Library?
Define "Library Material".
Define "Book".
What do you mean by non printed books?
Write names of any three most important Urdu newspapers published in Pakistan.
Write three measures to save Audio Visual Material.
Which device can be used to read microfilm?
Write three names of insects which damage books.

8x2=16

- What is "writing style"?
Which was the most beautiful writing style of the world?
Write any three kinds of paper.
Who is father of publishing?
Where Askandria Library situated?
Who had established Bat-ul-Hikmant Library?
Write any three principles of book selection.
What is Stock Taking?
What is "Sub-Title"?
What is "Book Card"?
What is acquisition method in National Library?
When the National Library of USA established?

6x2=12

- What is "date Slip"?
Define term "Information".
Write sources of Information.
What is "Thesis"?
When the first publishing press established?
Write name of Mughal Emperor who kept book with him even in war.
Which is the best library of Pakistan regarding to its services?
What is other term used for "Taleeq writing style"?
Define "society".

حصہ ----- اول

2۔ نوٹ: کوئی سے آٹھ اے کے مختصر جواب لکھ کر دیں۔

- (i) لائبریری کا لفظ ہے۔
(ii) لائبریری کی تعریف کریں۔
(iii) پاکستان میں تین اہم لائبریریوں کے نام لکھ کر دیں۔
(iv) لائبریری سائنس کے اساسی اصول خمسہ کس نے اوتسبہ پیش کیے؟
(v) خصوصی لائبریری کی رکنیت کون لوگ حاصل کر سکتے ہیں؟
(vi) لائبریری مواد کی تعریف کریں۔
(vii) کتاب کی تعریف کریں۔
(viii) غیر مطبوعہ کتاب سے کیا مراد ہے؟
(ix) پاکستان کے تین اہم ترین قومی اردو اخبارات کے نام لکھیں؟
(x) سمعی و بصری مواد کی حفاظت کے تین اصول بیان کریں۔
(xi) مائیکروفلم کی مدد سے کچھ جتنے ہیں؟
(xii) کتابوں کو نقصان پہنچانے والے تین کیڑوں کے نام لکھیں۔

3۔ نوٹ: کوئی سے آٹھ اے کے مختصر جواب لکھ کر دیں۔

- (i) رسم الخط سے کیا مراد ہے؟
(ii) یہ کیا خوبصورت رسم الخط ہے؟
(iii) کاغذ کی کوئی سی تین اقسام کے نام لکھیں؟
(iv) باپائے طباعت کونسا کہتے ہیں؟
(v) اسکندریہ لائبریری کہاں واقع تھی؟
(vi) بیت الحکمت لائبریری کس نے قائم کی؟
(vii) انتخاب کتب کے تین اہم اصول لکھ کر دیں۔
(viii) اسٹاک ٹیکنگ کسے کہتے ہیں؟
(ix) ذیلی عنوان کس کو کہتے ہیں؟
(x) کتابی کارڈ کسے کہتے ہیں؟
(xi) قومی لائبریری میں مواد کس طرح حاصل کیا جاتا ہے؟
(xii) امریکی قومی لائبریری کی تاسیس قائم ہوئی؟

4۔ نوٹ: کوئی سے آٹھ اے کے مختصر جواب لکھ کر دیں۔

- (i) تاریخ: کیا ہے؟
(ii) انٹریشن کی تعریف کریں۔
(iii) انٹریشن کے کتنے ماخذ ذرائع ہیں؟
(iv) مقالہ کس کو کہتے ہیں؟
(v) پہلا مکتبہ کونسا اور کہاں لگا؟
(vi) دشاہ دوران جنگ بھی کتابیں اپنے ساتھ لے جاتے تھے؟
(vii) سہولیات کے اعتبار سے پاکستان کا بہترین لائبریری کونسا ہے؟
(viii) خط تعلق کا دوسرا نام کیا ہے؟
(ix) معاشرہ کی تعریف کریں۔

Part ----- II

(حصہ دوم)

Note: Attempt any three questions from the following.

8x3=24

نوٹ: کوئی سے تین سوالات سے جواب دینا چاہئے۔

Define Library. How it play role in Social Development? Explain.

سوال نمبر 5 لائبریری کی تعریف کریں اور یہ معاشرتی زندگی میں کیسے کردار ادا کرتی ہے۔ وضاحت کریں۔

What is Library Material? Write its kinds in detail.

سوال نمبر 6 لائبریری مواد سے کیا مراد ہے؟ اس کی اقسام وضاحت سے بیان کریں۔

Write detail note on " Ashor Bani pal" and "Askandria Library".

سوال نمبر 7 اشور بنی پال اور اسکندریہ لائبریری پر نوٹ لکھیں۔

Write five basic principles of Library Science in detail.

سوال نمبر 8 لائبریری سائنس کے اساسی اصول خمسہ بیان کریں۔

Define the term "Information". Write its sources in detail.

سوال نمبر 9 اثنی عشری مشن کیا ہوتی ہے؟ اس سے بغیر دی ہوئی ذرائع تفصیل سے بیان کریں۔

Part ----- III

(حصہ سوم)

Note: Attempt any three questions from the following.

5x3=15

نوٹ: کوئی سے تین سوالات سے جواب دینا چاہئے۔

What do you mean by Call Number?

سوال نمبر 10 طلب نمبر سے کیا مراد ہے؟

Prepare structure of Accession Register.

سوال نمبر 11 داخلہ رجسٹر کا خاکہ تیار کریں۔

What is Book Card?

سوال نمبر 12 کتاب کارڈ کیا ہے؟

Elaborate Book Label.

سوال نمبر 13 کتابی لیبل کی وضاحت کریں۔

Elaborate Barrower Card.

سوال نمبر 14 رکنیت کارڈ کی وضاحت کریں۔

Assessment Scheme
For Principals of Accounting 11th Part I Session 2012-13 & ONWARD
Time: 02:30 hrs Total marks: - 75

CH No.	Chapters Name	Weightage	Distribution of Marks	M.C.Qs				Short Answer Questions				Essay Type Questions			
				Allotted Marks	15					Allotted Marks	36				
				Q. to be asked Q. to be attempted 15				Q. to be asked Q. to be attempted 18				Q. to be asked Q. to be attempted 3			
				Time 20 Minutes				Time 2 Hours & 10 Minutes							
				K	U	A	Total Marks	K	U	A	Total Marks	K	U	A	Total Marks
1	Introduction and basic terms, Business transaction and accounting equation.	10 %	11	1	1	1	3	1	1	-	4	-	-	1/2	4
2	Nature of account and rules of debit and credit. Journal	6 %	7	-	1	2	3	1	1	-	4	-	-	-	-
3	Ledger and trial balance Bank and banking transactions	5 %	6	-	1	1	2	1	1	-	4	-	-	-	-
4	Sub-division of journal and cash transaction Sub-division of journal and non- cash transaction	11 %	12	1	1	-	2	1	2	-	6	-	-	1/2	4
5	Bank reconciliation statement	14 %	15	-	-	1	1	1	1	1	6	-	-	1	8
6	Bill of exchange and promissory note	15 %	16	-	-	-	-	2	1	1	8	-	-	1	8
7	Final accounts Basic –I Final accounts with adjustments	15 %	16	-	-	-	-	2	1	1	8	-	-	1	8
8	Capital and Revenue	11 %	12	-	1	1	2	1	-	2	6	-	-	1/2	4
9	Rectification of errors	13 %	14	-	1	1	2	1	3	-	8	-	-	1/2	4
Total				15				54				40			

Important Note: - 1) K= Knowledge. U= Understanding / Comprehension. A= Application & Analysis.

2) This scheme of Assessment is prepared as per 33 % choice in short answer questions and essay type questions.

3) In order to promote the cause of concept based learning at least 10 % Questions must be unseen or of daily life but relating to specified learning outcomes of Curricula & Syllabi.
This portion will increase @ 10 % annually but not more than 30 %.

Model Paper Principals of Accounting Objective

Intermediate Part – I (11th Class) Examination Session 2012-2013 and onward

Total marks: 15

Paper Code _____

Time Allowed: 20 minutes

Note:- You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

Q No.1	Question	A	B	C	D
1	The modern system of recording business transactions in the books of accounting is known as	Modern system	Double entry system	American entry system	Single entry system
2	Withdrawal of merchandise for personal use is	Drawing	Sale of merchandise	Trade expenses	Charity
3	The excess of assets over liabilities is equal	Capital	Profit	Equities	Drawings
4	A credit is represented by	A decrease in asset	A decrease in liabilities	A decrease in equity	A decrease in owner's equity
5	Nominal Account is related to	Liabilities	Assets	Income	Equity
6	Day book is another name of	Journal	Ledger	Cash Book	Purchase Book
7	The Arithmetic accuracy of books of account is verified through	Journal	Ledger	Trial Balance	Cash Book
8	Return of defective merchandise to creditor is recoded in	Cash Book	Journal	Purchase Book	Purchase return Book
9	The entry made on both sides of the cash book	Double entry	Compound entry	Contra entry	Mixed entry
10	When bank column of a cash book shows a debit balance, it means	Overdraft balance	Favorable balance	Unfavorable balance	Bank balance
11	The periodical return sent by the bank to the customer is called	Income statement	Bank statement	Bank Reconciliation statement	Ledger Statement
12	Expenditure incurred on advertising a new product is called	Capital Expenditure	Revenue Expenditure	Deferred Revenue Expenditure	Current Expenditure
13	Receipt on Sale of fixed asset is a	Revenue Receipt	Current Receipt	Capital Receipt	Deferred Receipt
14	Mistake in balancing an account is an error of	Omission	Commission	Principle	Compensation

15	Income tax of proprietor paid out of business should be treated as	Expense	Income	Drawing	Liability
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Model Paper Principals of Accounting Subjective

Intermediate Part – I (11th Class) Examination Session 2012-2013 and onward

Total marks: 60

Time: 2 hours &10 Minutes

SECTION -----I

Q. No: - 2 Answer any six questions from the following:

6 x2=12

- i. What is credit transaction?
- ii. Define Business.
- iii. Define the term Capital.
- iv. Describe term Account.
- v. What is Pass book?
- vi. Define personal Account.
- vii. What is entry?
- viii. What is the imprest system of petty cash?
- ix. Explain contra entry.

Q. No: - 3 Answer any six questions from the following:

6 x2=12

- i. Define renewal of bill of exchange
- ii. Define noting charges.
- iii. Explain unrepresented cheques.
- iv. Who is drawer of the bill of exchange?
- v. What is meant by days of grace?
- vi. Define Bank Reconciliation statement.
- vii. Explain the treatment of omitted cheque.
- viii. Define direct expenses.
- ix. Name any two fictitious assets.

Q. No: - 4 Answer any six questions from the following:

6x2=12

- i. Define error of principle.
- ii. Give two examples of deferred revenue expenditure.
- iii. Define Adjustments.
- iv. Give any four examples of the capital receipts.

- v. Explain the term marshalling.
- vi. Define revenue loss.
- vii. Describe error of commission.
- viii. Explain suspense account.
- ix. Explain two book keeping errors.

Section – II

Attempt any three questions from the following:

8x3=24

5- Show the effect of following transactions on the elements of Accounting Equation.

a).

- i- Ahmed started business with cash Rs. 50000.
- ii- Bought building for cash Rs. 10000.
- iii- Paid salaries Rs. 1000 and outstanding salaries Rs. 200.
- iv- Withdrew cash Rs. 500 for personal use.

4

b). Enter the following transactions in the simple cash book.

2012

4

Jan., 1 Cash in hand Rs. 10000.

05,, Received cash from saleem Rs. 500

10. Paid to jamil Rs.400

15 Cash sales Rs. 700.

6. Prepare a Bank reconciliation statement as on 31st December, 2012 of M/S Nadeem & Co.

from the following details

8

- a) Balance as per Cash book overdrawn Rs. 54,000
- b) Cheque issued Rs. 4000 are still not presented in the bank for payment.
- c) Cheques amounting to Rs. 8000 were deposited on 23rd December 2012 of which Rs.3000 is still not credited by bank.
- d) Dividend of Rs. 6000 credited by bank in bank statement but still not recorded in the cash book.
- e) Cheques Rs. 20000 received but omitted to be banked.
- f) Bank charges Rs. 1300 debited by bank.

7. Saad sold goods to Ali on 1st January 2011 goods valued Rs. 30000 and drew upon him a three months bill for the amount. Ali accepted the bill and returned it to Saad. On maturity, Ali

expressed his inability to meet the bill and offered to pay Rs. 10000 in cash and accepts a fresh bill for three months to cover balance plus interest at the rate of 5% P.A. for three months. At the due date this new bill was duly met by Ali.

Pass journal entries in the books of Saad.

8

8. Following is the trial balance of karim &co. on 31st December 2011

	Dr.	Cr.	8
Opening stock	16300		
Cash	750		
Account Receivable	8000		
Bill Receivable	3500		
Motor Truck	4000		
Office machine	5000		
Purchases	20000		
Carriage inward	1900		
Salaries	4750		
Office rent	2250		
Misc. expenses	850		
Bill payable		5700	
Capital		20000	
Account payable		3000	
Sales		38600	
Total ;	<u>67300</u>	<u>67300</u>	

Adjustments:

1. Closing stock Rs. 10500
2. Salary payable Rs. 700
3. Prepaid rent Rs. 500
4. Intrest on capital @ 10%.

Prepare Trading and profit and Loss account and Balance sheet

9.

a) State with reasons whether the following should be considered as capital or revenue

Expenditure:

- i. Interest paid on a loan taken for purchase of machinery. **4**
- ii. Preliminary expenses in the formation of a company.
- iii. Carriage paid on goods purchased.
- iv. Repairs to a motor car purchased second hand.

b). Give journal entries to rectify the error: **4**

- i. A bill for Rs.1250 for furniture sold to Haleem was credited to sales account.
- ii. An amount Rs. 2300 received on account of interest was credited to commission account.
- iii. Goods to the value of Rs.7000 were returned by Akram but return was not recorded in the books.
- iv. An item of Rs. 2300 paid for the purchase of furniture debited to purchases account.

Assessment Scheme

For Psychology 11th Part I Session 2012-13 & ONWARD
Time: 3 : 30 hrs
Total Marks:- 100

Sr. No	Chapters Name	Weightage	Distribution of Marks	M.C.Qs				Short Answer Questions				Essay Type Questions				Questions relating to Practicals	
				Allotted Marks 17				Allotted Marks 44				Allotted Marks 24				Allotted Marks 15	
				Q. to be asked 17 Q. to be attempted 17				Q. to be asked 33 Q. to be attempted 22				Q. to be asked 5 Q. to be attempted 3				Q. to be asked 5 Q. to be attempted 3	
				Time 20 Minutes				Time 3 Hours & 10 Minutes									
				K	U	A	Total Marks	K	U	A	Total Marks	K	U	A	Total Marks		
1	Introduction of psychology	14.66%	18	1	-	1	2	2	1	1	8	-	1	-	8	Question No.10=5 marks	
2	Methods of research	8.10%	10	1	1	-	2	1	2	1	8	1	-	-	-	Question No.11=5 marks	
3	Nervous system & Behaviour	14.66%	18	1	-	1	2	-	2	2	8	-	-	-	8	Question No.12 =5 marks	
4	Sensation And Perception	8.10%	10	1	1	1	2	-	3	1	8	-	-	-	-	Question No.13 =5 marks	
5	Learning and Memory	14.66%	18	1	-	1	2	1	2	1	8	-	-	1	8	Question No.13 =5 marks	
6	Motivational Behaviour	8.10%	10	1	1	-	2	2	1	1	8	-	-	-	-	Question No.14 =5 marks	
7	Personality	13.04%	16	2	-	-	2	2	1	-	6	1	-	-	8		
8	Emotional Behaviour	5.64%	07	1	-	-	1	-	1	2	6	-	-	-	-		
9	Higher Cognitive Processes	13.04%	16	1	-	1	2	1	1	1	6	1	-	-	8		
Total		100 %	123+25=148	17				66				40				25	

Important Note:- 1) K= Knowledge.

U= Understanding / Comprehension

A= Application & Analysis

2) This scheme of Assessment is prepared as per 33% choice in short answer questions, essay questions & questions relating to practicals.

3) In order to promote the cause of concept based learning at least 10 % questions must be unseen or of daily life but relating to specified learning outcomes of Curricula & Syllabi. This portion will increase @ 10% annually but not more than 30%.

4) The questions relating to practical will be asked from the practical Note Book as per chapter were detail given in the curriculum and syllabi 2006.

5) The Practical will be conducted at the end of 12th Class which is mandatory to qualify for award of certificate.

The Practical assessment will be made in the form of grading as per following criteria.

A+= 90% & above, A=80% to 89%, B= 70% to 79%, C= 60% to 69%, D= 50% to 59%, E= 40% to 49%, F= Fail = 40% & below

نوٹ:- ہر سوال کے ہوا مکملہ چار اہت A , B , C اور D دیئے گئے ہیں۔ جوابی کاغذ پر ہر سوال کے سامنے دیئے گئے ہیں۔ اس میں سے وہ ایک جواب کے مطابق منتخب کیا جائے گا۔ کوئی بھی دوسرا جواب دینے سے کوئی نکتہ نہ ملے گا۔

Note:- You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

(D)	(C)	(B)	(A)	QUESTIONS	Q.1
جے بی واٹسن J.B. Watson	ولیم وونڈت Willhelm Woundt	کوہلر Kohlar	پیوولو Pavlove	نفسیات کی پہلی تجربہ گاہ کس نے قائم کی؟ Who established the first labratory of Psychology?	1
طبعی نفسیات Clinical Psychology	تعلیمی نفسیات Educational Psychology	کرداری نفسیات Behavioural Psychology	تجرباتی نفسیات Experimental Psychology	نفسیاتی اعلیٰ ترین شعبہ کیلئے نفسیات کی کون سی شاخ ہے؟ Which Branch of Psychology diagnoses the psychological disorders?	2
ان میں سے کوئی نہیں None of them	ذاتی Subjective	متغیرات Variables	معروضی Objective	تجربے میں تبدیلی لانے والے عناصر کیا کہلاتے ہیں؟ In experiment, the elements which can be change are ?	3
فروید Freud	واٹسن Watson	تھارن ڈائک Thorndike	سکینر Skinner	91 مشہور شخصیات کا تجزیہ 1950ء میں کس نے کیا؟ Who analyzed 91 famous personalities in 1950?	4
یہ تمام All of them	تلازمی عصبانیے Associative Neuron	حسی عصبانیے Sensory Neuron	حرکی عصبانیے Motor Neuron	کون سے عصبانیے دماغ سے پیغام غدود تک لے جاتے ہیں؟ Which neuron carry the message from barin to glands ?	5
26" - 30"	22" - 24"	16" - 20"	10" - 16"	حرام مغز کی لمبائی کتنی ہوتی ہے؟ How long is spinal cord?	6
7	6	5	4	انسانی جسم میں کتنے حواس کی تعداد کتنی ہوتی ہے؟ How many senses are in humans?	7
کان کا پردہ Ear Drum	شعبہ دائرہ نما لیاں Circular Semi Canals	بیضوی کھڑکی Oval Window	گھونگا Choclia	وہ کون سا حصہ ہے جو کان میں موجود ہے مگر اس کے عمل میں حصہ نہیں لیتا؟ Which one is a part of ear, but do not take part in the function of hearing?	8
جے بی واٹسن J.B. Watson	ولیم وونڈت Willhelm Woundt	کوہلر Kohlar	پیوولو Pavlove	کلاسیکل مشورہ کی بنیاد کون ہے؟ Who is the founder of classical conditioning?	9
ان میں سے کوئی نہیں None of them	قانون مشق Law of exercise	قانون اثر Law of effect	قانون آمادگی Law of Readiness	آموزش کے کس قانون کے تحت تکرار سے سیکھنا آسان بنتا ہے؟ According to which law of learning, the learning process became easy by repitition?	10
فرانسیسی French	روسی Russian	امریکن American	لاطینی Latin	"Motivus" belongs to which language?	11
ہمدرد Sympathetic	بیرون بین Extrovert	اندرون بین Introvert	بہادر Brave	"طاقت کا حصول" سے متعلق انسانوں کو کہا جاتا ہے۔ The people who are keen to "Motive of power" are called:	12
3	6	5	4	فروید کے مطابق بالغ ہونے سے نشوونما کے کتنے مدارج ہیں؟ According to Freud how many stages of development up to adolescence?	13
ٹولمن Tolman	روتھر Rotter	رورشاک Rorschach	مرے Murray	داستانی ادراک کی آزمائش کس نے متعارف کرائی؟ Who introduced Thematic Apperception Test?	14

15	”ہیجان فرد کی مشتعل حالت ہے“ کس نے کہا؟	جیمز لانگے	کینیٹ ہارڈ	شاسٹر	ووڈ ورتھ
	"Emotion is a state in which an individual become aggressive" who said?	James Lange	Canon Bard	Shachter	Woodworth
16	مقیاس ذہانت معلوم کرنے کا یہ سمت فارمولہ کون سا ہے؟	MA/CA x 100	CA/MA x 100	MA/CA + 100	CA/MA + 100
	Which one is the correct formula of Inteligence Quotient?				
17	دو عنصری انٹیلیجنس ذہانت کس نے پیش کیا؟	تھرمین	ویچسلیر	سپیرمین	سٹرن
	Who introduced Two Factor Theory of Inteligence?	Terman	Wechsler	Spearman	Stern

Part ----- I

حصہ ----- اول

8x2=16

- Explain the purpose of Psychology.
- First experimental laboratory of Psychology established, when and where?
- Explain the role of criminal Psychology..
- Define the best definition of Psychology.
- Explain direct method of survey.
- Explain introspective observational method.
- Which Psychologists are involve in the study of case history method?
- Discuss about three steps of research.
- According to structure write down the parts of neuron.
- What is meant by synaptic left?
- What is the role of oxcipical lobe?
- Explain "Pacemaker"

8x2=16

- Discuss the structure of retina.
- Explain Myopia.
- Write down the parts of middle ear.
- Differentiate between hallucination and illusion.
- Define learning.
- Explain short term theory.
- Discuss about the meaning of stimulus and response.
- Explain the principles of classical condining.
- Which type of hormones secrete in motive of sex?
- Explain Homeotasis.
- Which type of hormone recrete in maternal motive?
- Write down the steps of creative method.

6x2=12

- Explain the division of personality in the period of early Greek.
- Discuss the types of personality theory of Jung.
- Explain the work of Dr. Hamid Sheikh in testing.
- Which hormones recreted by pancreas and adrenal gland?
- What are the changes develop in the eyes during emotion?
- What is the role of learning and environment during emotion?

2۔ نوٹ: کوئی سے آئیم، جہا کے مختصر اہمات تخریر کریں۔

- نفسیات کے مقاصد بیان کیجئے۔
- نفسیات کی پہلی تجربہ گاہ، تب اور کہاں قائم ہوئی؟
- جہا کے آئم کی نفسیات کا دائرہ کار واضح کیجئے۔
- نفسیات کی بہترین تعریف کیجئے۔
- یہ اہ را۔ ٲ سروے کے صہ ٲ کی وضاء. ٲ کیجئے۔
- ٲ طیفی مشاہدہ کی وضاء. ٲ کیجئے۔
- مطالعه احوال کے طہ ٲ میں کون سے ماہرین نفسیات شامل ہیں؟

- تحقیق کے تین مراحل بیان کیجئے۔
- سات. ٲ کے اعتبار سے عصبا. ٲ کے حصے تخریر کیجئے۔
- عصبی خلاء سے کیا مراد ہے؟
- عقبی فص کیا کام براتیہ م دیتی ہے؟
- ”ٲیس، ٲیس“ کی وضاء. ٲ کیجئے۔

3۔ نوٹ: کوئی سے آئیم، جہا کے مختصر اہمات تخریر کریں۔

- شبکیہ کی سات. ٲ بیان کیجئے۔
- قمر، ٲ نظری کی وضاء. ٲ کیجئے۔
- وسطی کان کے حصے تخریر کیجئے۔
- وہم اور ٲیس کا فرق واضح کیجئے۔
- آموزش کی تعریف بیان کیجئے۔
- قلیل المعیاد حافظے کی وضاء. ٲ کیجئے۔
- مہج اور رد عمل کا مفہوم بیان کیجئے۔
- کلاسیکل مشروطیت کے اصول واضح کیجئے۔
- جنسی محرک میں کون سی رطوبتوں ٲ اثراتیہ مہمہ ہے؟
- توازنی میلان کی وضاء. ٲ کیجئے۔
- مادری محرک میں کون سی رطوبت خارج ہوتی ہے؟
- تخلیقی طہ ٲ کار کے مراحل بیان کیجئے۔

4۔ نوٹ: کوئی سے آئیم، جہا کے مختصر اہمات تخریر کریں۔

- شخصیت کی ابتدائی ٲی: ٲی تقسیم بیان کیجئے۔
- ٲی: ٲ نے شخصیت کو کون سے حصوں میں تقسیم کیا؟
- ڈاکٹر حامد شیخ نے کن آزمائشوں ٲ کام کیا؟
- لبہ اور نظری غدود کون سی رطوبتیں خارج کرتے ہیں؟
- ہیجان کی کیفیت میں آنکھوں میں کیا تبدیلیاں رتہ. ہوتی ہیں؟
- ہیجان میں آمورش اور ماحول کا کیا عمل ہے؟

vii) Explain the factors of intelligence.

(vii) ذہانت میں کون سے عناصر کام کرتے ہیں؟

viii) What is meant by WAIS and WISC?

(viii) WAIS اور WISC سے کیا مراد ہے؟

ix) What is the last expected response?

(ix) آخری ممکنہ رد عمل کیا ہے؟

Part ----- II

(حصہ دوم)

Note: Attempt any three questions from the following.

8x3=24

نوٹ: کوئی سے تین سوالات کے ہر ایک پر جواب دیجئے۔

Q. 5 Write a detailed note on different branches of Psychology.

سوال نمبر 5 نفسیات کی مختلف شاخوں پر تفصیلی نوٹ لکھ دیجئے۔

Q.6 Explain the structure and function of ear.

سوال نمبر 6 کان کی ساخت اور اس کا عمل بیان کیجئے۔

Q.7 Explain the tests which are used for measurement of personality?

سوال نمبر 7 شخصیت کی پیمائش کیلئے کون سی آزمائشیں استعمال کی جاتی ہیں بیان کیجئے؟

Q.8 Explain primary motives.

سوال نمبر 8 بنیادی محرکات تفصیل سے بیان کیجئے۔

Q.9 Discuss about the theories of emotion.

سوال نمبر 9 عیجان کے نظریات پر بحث کیجئے۔

Part ----- III

(حصہ سوم)

Note: Attempt any three questions from the following.

5x3=15

نوٹ: کوئی سے تین سوالات کے ہر ایک پر جواب دیجئے۔

Q.10 Give the introduction of "Thematic Apperception Test"

سوال نمبر 10 "وفاستانی ادراکی آزمائش" کا تعارف بیان کیجئے۔

Q.11 Write down the experimenter's report according to experiment of "Blind Spot"

سوال نمبر 11 "بند نقطہ" کے تجربہ کے حوالہ سے تجربہ کار کی رپورٹ لکھ دیجئے۔

Q.12 Elaborate "Muller Lyer Illusion"

سوال نمبر 12 "مولا لیر متباس" کی وضاحت کیجئے۔

Q.13 Write down the instruments used in practical "Problem Solving".

سوال نمبر 13 تجربہ "مسائل کا حل" میں استعمال ہونے والے آلات لکھ دیجئے۔

Q.14 Write down the results of experiment "Effect of Suggestion on Perception".

سوال نمبر 14 تجربہ "اٹھاؤ پڑھو" کے نتائج لکھ دیجئے۔

Assessment Scheme

For Statistics 11th Part I Session 2012-13 & ONWARD
Time: 03:30 hrs
Total Marks:- 100

Sr. No	Chapters Name	Weightage	Distribution of Marks	M.C.Qs				Short Answer Questions				Essay Type Questions				Questions relating to Practicals	
				Allotted Marks 17				Allotted Marks 44				Allotted Marks 24				Allotted Marks 15	
				Q. to be asked 17 Q. to be attempted 17				Q. to be asked 33 Q. to be attempted 22				Q. to be asked 5 Q. to be attempted 3				Q. to be asked 5 Q. to be attempted 3	
				Time Minutes 20				Time 03:10 Hours									
				K	U	A	Total Marks	K	U	A	Total Marks	K	U	A	Total Marks		
1	Introduction	4.06 %	5	1	-	-	1	2	-	-	4	-	-	-	-	Question No.10=5marks	
2	Presentation of Data	4.88 %	6	1	-	1	2	2	-	-	4	-	-	-	-	Question No.11=5marks	
3	Central Tendency	16.26 %	20	1	1	-	2	2	1	2	10	-	-	2	8	Question No.12=5marks	
4	Dispersion	18.7 %	23	1	1	1	3	2	2	2	12	-	-	2	8	Question No.13=5marks	
5	Index Number	13 %	16	-	-	2	2	2	1	2	10	-	-	1	4	Question No.14=5marks	
6	Probability	11.38 %	14	-	-	2	2	2	1	1	8	1	-	-	4		
7	Random Variable	16.26 %	20	2	-	-	2	2	1	2	10	-	-	2	8		
8	Binomial & Hypergeometric	15.45 %	19	3	-	-	3	2	-	2	8	-	-	2	8		
Total				17				66				40				25	

Important Note:- 1) K= Knowledge.

U= Understanding / Comprehension.

A= Application & Analysis.

2) This scheme of Assessment is prepared as per 33% choice in short answer questions, essay questions & questions relating to practicals.

3) In order to promote the cause of concept based learning at least 10 % questions must be unseen or of daily life but relating to specified learning outcomes of Curricula & Syllabi. This portion will increase @ 10% annually but not more than 30%.

4) The questions relating to practical will be asked from the practical Note Book as per chapter were detail given in the curriculum and syllabi 2006.

5) The Practical will be conducted at the end of 12th Class which is mandatory to qualify for award of certificate.

The Practical assessment will be made in the form of grading as per following criteria.

A+= 90% & above, A=80% to 89%, B= 70% to 79%, C= 60% to 69%, D= 50% to 59%, E= 40% to 49%, F= Fail = 40% & below

Model Paper Statistics Objective

Intermediate Part – I (11th Class) Examination Session 2012-2013 and onward

Total marks: 17 Paper Code _____ Time Allowed: 20 minutes

Note:- You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question.

Q No.1	Question	A	B	C	D
1	The science of collecting, organization, analyzing the data is called	Statistics	Parameter	Population	Mathematics
2	Classification of data by attributes is called	Quantitative data	Qualitative data	Geographical data	Chronological data
3	The lower and upper class limits 20 and 30 the midpoint of the class is	20	25	30	50
4	Geometric mean can be computed by	$\frac{\sum \log X}{n}$	$\frac{\sum X \log f}{\sum f}$	Antilog $\left[\frac{\sum \log X}{n} \right]$	Antilog $\left[\frac{n}{\sum \log X} \right]$
5	The total of all observations divided by the number of observations is called	Arithmetic mean	Geometric mean	Median	Mode
6	The range of the scores 29,3,143,27,99, is	140	143	146	70
7	The variance is zero only if all observations are the	Different	Square	Square root	Same
8	The lack of uniformity or symmetry is called	Skewness	Dispersion	Kurtosis	Standard deviation
9	Index for base period is always taken as	One	100	200	Zero
10	Laspeyre's index=110, Paasche's index=108, then Fisher's index is equal to	110	108	100	109
11	If three coins are tossed, the possible outcomes are	8	3	one	6
12	The probability of drawing any one Spade card is	1/13	¼	4/13	1/52
13	If "c" is a constant (Non random variable), then E(c)	Zero	one	c f(c)	c

	is				
14	An expected value of a random variable is equal to its	Variance	Standard deviation	Mean	Mode
15	Parameters of Binomial distribution are	n,k	n,p	n,q	n,p,q
16	The Bernoulli trial has	At least two outcomes	At-most two outcomes	Two outcomes	Fewer then two outcomes
17	The parameters of Hypergeometric distribution are	N ,n ,p	N,n ,K	N,n,np	n and p

Model Paper Statistics Subjective

Intermediate Part – I (11th Class) Examination Session 2012-2013 and onward

Total marks: 83

Time: 3:10 hours

SECTION -----I

Q. No: - 2 Answer any Eight (08) parts from the followings:

8×2=16

- i) Differentiate between population and sample.
- ii) Write any two sources of primary data.
- iii) What is percentile?
- iv) Define geometric mean.
- v) If Mean = 20 Median = 18.67 find mode.
- vi) Given the value: 3, 5, 0 find geometric mean and harmonic mean.
- vii) Write any two properties of arithmetic mean.
- viii) What is consumer price index number?
- ix) Distinguish between simple and composite index number.
- x) Write formula for Fisher index number.
- xi) Given $\sum P_0 Q_1 = 850$ and $\sum P_1 Q_1 = 1210$ find paasches index number.

xii) Given $W=20, 25, 15, 28$ and $I = 100, 106, 115, 120$ constant consumer price index number.

Q. No: - 3 Answer any Eight (08) parts from the followings: $8 \times 2 = 16$

- i) Define class interval
- ii) What is histogram
- iii) Define absolute dispersion
- iv) If $\beta_1=10$ $\beta_2=10$ Discuss the shape of the curve.
- v) What is meant by skewness.
- vi) If standard deviation of value of X is 5 what is the standard deviation of value of $4X$.
- vii) Is it possible that first moment about mean is 10?
- viii) Draw the shapes of mesokurtic , platykurtic , leptokurtic curve.
- ix) What do you mean by mutually exclusive events?
- x) Define sample space.
- xi) Write the sample space when three coins are tossed.
- xii) Are the events A and B independent if $P(A) = .5$ and $P(A/B) = .4$

Q. No: - 4 Write short answer any six question. $(6 \times 2) = 12$

- I. Define discrete random variable.
- II. Define probability distribution
- III. If $E(X) = 5$ and $E(Y) = -23$ then $E(X-Y) = ?$
- IV. State any two laws of expectation.
- V. Check for $Y=1,2,3,4$ is $f(Y) = \frac{Y+1}{14}$ a probability density function.
- VI. If $n=10$ and $p=.4$ find mean and variance of binomial distribution
- VII. Define binomial distribution
- VIII. Write down properties of Hypergeometric Experiment
- IX. Calculate the probability of all aces in a sample 4 out of 52 playing cards when cards are drawn without replacement.

Section – II

Note: Attempt any three questions.

Q. No: - 5 $(4+4)$

(a) The Logarithm of 10 value of X are 1.0792 , 1.1761 , 1.1761 , 0.9542 , 1.2041 , 1.2553, 1.3010 , 1.3979 , 1.3010 , 1.4771 , calculate the arithmetic mean of X .

(b) Find out the Median of the following values

- (I) 5, 4, 8 , 3 , 7 , 2 , 9
- (II) 18.3, 20.6 , 19.3 , 22.4 , 20.8 , 18.8.

Q. No: - 6 $(4+4)$

(a) Computes the variance from the following data

X	200	300	350	700	840
F	4	2	2	1	1

- (b) Given $\sum f = 120$, $\sum fx = 296$, Mode = 2.94 and second moment about mean = 1.48 calculate coefficient of skewness .

Q. No: - 7 (a) Compute chain index number for the following data taking 1997 as base year

Years	1997	1998	1999	2000	2001	2002	2003
Prices	180	185	194	200	204	218	220

- (b) A card is selected at random from a deck of playing cards find the probability that card is King or a Queen **(4+4)**

Q. No: - 8 (a) **(4+4)**

Let "X" have the following probability distribution

X	1	2	3	4	5	6
P(X)	.05	.40	.10	.25	.05	.15

- Find (I) $E(x)$
(II) $E(x^2)$

- (b) Continuous random variable "X" has p.d.f $f(X) = CX$ when $0 < X < 2$
(I) Determine C
(II) $P(1 < X < 1.5)$

Q. No: - 9 (a) **(4+4)**

An event has probability $P=2/5$ find the complete binomial distribution when $n = 3$

- (b) (I) Given $N = 10$, $n = 2$, $K = 3$ find $P(X=0)$
(II) Given $N=10$ $n = 4$ $K=5$ find $E(X)$

Section – III

Note: Attempt any three Question.

Q. No: - 10 Find the value of Mode from the given data. **(5)**

Marks	10-19	20-29	30-39	40-49	50-59
No of Students	5	25	40	20	10

Q. No: - 11 Calculate Mean deviations about mean from the following data **(5)**

Class interval	0-5	5-10	10-15	15-20	20-25
F	140	200	100	50	10

Q. No: - 12 Given the following information. **(5)**

Commodities	2002		2003	
	Price	Quantity	Price	Quantity
A	10	12	20	22
B	8	8	16	18
C	5	6	10	11

Compute Fisher's index number

Q. No: - 13 The probability of male birth is equal to probability of female birth. Out off 400 families with 4 children each find expected number of families with 0, 1, 2, 3, and 4 males. **(5)**

Q. No: - 14 An urn contains 9 balls 5 of which are Red and 4 Blue. 3 balls are drawn without replacement. Find probability distribution of X when X = number of Red balls drawn. **(5)**