

Content Weightages for HEC Undergraduate Studies Admission/Aptitude Test (USAT) for all 12 years/ Equivalent Education Disciplines/Streams

Sr. No.	Test Category	Description Criteria and Subject Division	Subject 100% Weight
01	Undergraduate Studies Admission/Aptitude Test (USAT-E) Having 12 years/ equivalent Education in Pre-Engineering	Part I	
		Number of Test Items (75 MCQs) Time Allowed 100 Minutes	
		A: Verbal Reasoning	20 MCQ's
		A1: Analogy	05
		A2: Synonym/ Antonym	04
		A3: Sentence Completion	06
		A4: Comprehension	05
		B: Quantitative Reasoning	25 MCQ's
		B1: Arithmetic	06
		B2: Algebra and functions	04
		B3: Geometry	03
		B4: Equations	03
		B5: Statistics	03
		B6: Scenario Based/Mental Mathematics	06
		C: Physics	10 MCQ's
		D: Chemistry	10 MCQ's
		E: Mathematics	10 MCQ's
		Part II	
		Time Allowed 40 Minutes	
		Argument Based Essay Writing Skills 01 out of 03 (Either in English or Urdu)	15 Marks
		Narrative Based Essay Writing Skills 01 out of 03 (Either in English or Urdu)	10 Marks

Sr. No.	Title	Criteria and Subject Division	Subject 100% Weight
02	Undergraduate Studies Admission/Aptitude Test (USAT-M) Having 12 years/ equivalent Education in Pre-Medical	Part I Number of Test Items (75 MCQs) Time Allowed 100 Minutes	
		A: Verbal Reasoning	20 MCQ's
		A1: Analogy	05
		A2: Synonym/ Antonym	04
		A3: Sentence Completion	06
		A4: Comprehension	05
		B: Quantitative Reasoning	25 MCQ's
		B1: Arithmetic	06
		B2: Algebra and functions	04
		B3: Geometry	03
		B4: Equations	03
		B5: Statistics	03
		B6: Scenario Based/Mental Mathematics	06
		C: Physics	08 MCQ's
		D: Chemistry	08 MCQ's
		E: Biology	14 MCQ's
		Part II Time Allowed 40 Minutes	
		Argument Based Essay Writing Skills 01 out of 03 (Either in English or Urdu)	15 Marks
		Narrative Based Essay Writing Skills 01 out of 03 (Either in English or Urdu)	10 Marks

Sr. No.	Title	Criteria and Subject Division	Subject 100% Weight
03	Undergraduate Studies Admission/Aptitude Test (USAT-A) Having 12 years/ equivalent Education in Arts & Humanities	Part I Number of Test Items (75 MCQs) Time Allowed 100 Minutes	
		A: Verbal Reasoning	20 MCQ's
		A1: Analogy	05
		A2: Synonym/ Antonym	04
		A3: Sentence Completion	06
		A4: Comprehension	05
		B: Quantitative Reasoning	25 MCQ's
		B1: Arithmetic	06
		B2: Algebra and functions	04
		B3: Geometry	03
		B4: Equations	03
		B5: Statistics	03
		B6: Scenario Based/Mental Mathematics	06
		C: Islamiyat/ Ethics	10 MCQ's
		D: Pakistan Studies	10 MCQ's
		E: General Knowledge	10 MCQ's
		Part II Time Allowed 40 Minutes	
		Argument Based Essay Writing Skills 01 out of 03 (Either in English or Urdu)	15 Marks
		Narrative Based Essay Writing Skills 01 out of 03 (Either in English or Urdu)	10 Marks

Sr. No.	Title	Criteria and Subject Division	Subject 100% Weight
04	Undergraduate Studies Admission/Aptitude Test (USAT-CS) Having 12 years/ equivalent Education in Computer Science	Part I Number of Test Items (75 MCQs) Time Allowed 100 Minutes	
		A: Verbal Reasoning	20 MCQ's
		A1: Analogy	05
		A2: Synonym/ Antonym	04
		A3: Sentence Completion	06
		A4: Comprehension	05
		B: Quantitative Reasoning	25 MCQ's
		B1: Arithmetic	06
		B2: Algebra and functions	04
		B3: Geometry	03
		B4: Equations	03
		B5: Statistics	03
		B6: Scenario Based/Mental Mathematics	06
		C: Physics	08 MCQ's
		D: Computer Science	14 MCQ's
		E: Mathematics	08 MCQ's
		Part II Time Allowed 40 Minutes	
		Argument Based Essay Writing Skills 01 out of 03 (Either in English or Urdu)	15 Marks
		Narrative Based Essay Writing Skills 01 out of 03 (Either in English or Urdu)	10 Marks

Sr. No.	Title	Criteria and Subject Division	Subject 100% Weight
05	Undergraduate Studies Admission/Aptitude Test (USAT-GS) Having 12 years/ equivalent Education in General Science	Part I Number of Test Items (75 MCQs) Time Allowed 100 Minutes	
		A: Verbal Reasoning	20 MCQ's
		A1: Analogy	05
		A2: Synonym/ Antonym	04
		A3: Sentence Completion	06
		A4: Comprehension	05
		B: Quantitative Reasoning	25 MCQ's
		B1: Arithmetic	06
		B2: Algebra and functions	04
		B3: Geometry	03
		B4: Equations	03
		B5: Statistics	03
		B6: Scenario Based/Mental Mathematics	06
		C: Mathematics	10 MCQ's
		D: Statistics	10 MCQ's
		E: Economics	10 MCQ's
		Part II Time Allowed 40 Minutes	
		Argument Based Essay Writing Skills 01 out of 03 (Either in English or Urdu)	15 Marks
		Narrative Based Essay Writing Skills 01 out of 03 (Either in English or Urdu)	10 Marks

Sr. No.	Title	Criteria and Subject Division	Subject 100% Weight
06	Undergraduate Studies Admission/Aptitude Test (USAT-COM) Having 12 years/ equivalent Education in Commerce	Part I Number of Test Items (75 MCQs) Time Allowed 100 Minutes	
		A: Verbal Reasoning	20 MCQ's
		A1: Analogy	05
		A2: Synonym/ Antonym	04
		A3: Sentence Completion	06
		A4: Comprehension	05
		B: Quantitative Reasoning	25 MCQ's
		B1: Arithmetic	06
		B2: Algebra and functions	04
		B3: Geometry	03
		B4: Equations	03
		B5: Statistics	03
		B6: Scenario Based/Mental Mathematics	06
		C: Accounting	10 MCQ's
		D: Commerce	10 MCQ's
		E: Economics	10 MCQ's
		Part II Time Allowed 40 Minutes	
		Argument Based Essay Writing Skills 01 out of 03 (Either in English or Urdu)	15 Marks
		Narrative Based Essay Writing Skills 01 out of 03 (Either in English or Urdu)	10 Marks

**Content Weightages for HEC MS/MPhil & PhD Studies Admission/Aptitude Test
(HAT) for all Disciplines/Streams**

Test will be conducted in the following five categories based on 16 years/equivalent education* & students should register accordingly;

Test Category**	Education*/Discipline	Test Breakup			
		English/Verbal Reasoning	Analytical reasoning	Quantitative Reasoning	Total
HAT 1	Engineering & Technology, Computer Science, Mathematics, Statistics, Physics	30%	30%	40%	100%
HAT 2	Management Sciences, Business Education,	30%	40%	30%	100%
HAT 3	Arts & Humanities, Social Sciences, Psychology (Clinical & Applied) and Law	40%	35%	25%	100%
HAT 4	Agriculture & Veterinary Sciences, Biological & Medical Sciences, Physical Sciences Education, Media & Mass Communication	40%	30%	30%	100%
HAT – General	Religious Studies (Madrassa Graduates)	40%	30%	30%	100%

**The applicant must select correct category on respective online portal.