

**Clarification on question pattern**  
**&**  
**Sample Question for Common PG Entrance Test 2020(CPET- 2020)**

**Contextual Introduction:**

1. The entrance examination will consist of multiple-choice type questions with 1 mark for correct answer and zero for a wrong answer (**no negative marking**). The answers will have to be marked on OMR sheets as per instructions given in the sheet. Each paper will be of 90-minute duration with 70 multiple choice questions. **The question will consist of 40 questions from Honours/Core papers and 30 questions from the same subject's generic elective papers as per the OLD CBCS UG syllabus (2016-2019).**
2. It may be noted that the UG (2016-2019) syllabi in Core and electives in individual subjects in all state universities are nearly similar and the nature of questions will be foundational. For example, **in subject like Physics, 40 questions will be from the 14 core papers and 30 questions will be from the course content of Physics as elective subject.**
3. **In multidisciplinary subjects with corresponding subjects at the UG level**, where the eligibility criteria span a number of disciplines, in addition to the above rule, there may be some basic questions in other relevant subjects concerned.
  - 3.1 For example, in M.A. in Anthropology, a few questions related to the interface between Anthropology and History, Sociology, Psychology may be given.
  - 3.2 In subjects like Bio-Technology or Electronic sciences, questions pertaining to the relevant streams may be included in the entrance examination.
  - 3.3 In PG subjects with open eligibility to any graduate, General Knowledge covering Arts, Science and Commerce and basic concepts on the subject need to be prepared. However, 2 subjects - **Political Science**

**and Psychology - will be an exception to it, because, even if these 2 subjects are open to any graduate, questions will be asked from core and elective papers of the concerned subject only.**

**4. In the case of multidisciplinary subjects where a corresponding undergraduate course does not exist, the questions will be from the UG curricula in subjects relevant to the PG subject applied for. In this case, the distribution of questions will be decided by relative importance of each UG subject to the PG subject applied for.**

4.1 For example, in M.Sc. Anthropology, the entrance questions will involve portions from Botany, Zoology, Bio- technology, Microbiology and Geology relevant to Anthropology.

4.2 Similarly, subjects like Wildlife and Bio-Diversity Conservation, the entrance questions will involve portions from Botany, Zoology, Life Sciences, Forestry, Environmental Science, Bio- technology etc. relevant to the PG entrance subject concerned.

**5. In subjects related to management discipline, apart from what has been stated above regarding General Knowledge covering Arts, Science and Commerce and basic concepts on the subject, general awareness, General English, Quantitative aptitude and logical Reasoning will also be tested.**

The tables listed below provide some additional guidance and few sample questions on each entrance subject. The sample questions are only demonstrative of the type of questions and by no means definitive regarding contents. It may be noted that a number of PG disciplines have been put under one entrance examination due to similar requirements in terms of knowledge and competency at the UG level.

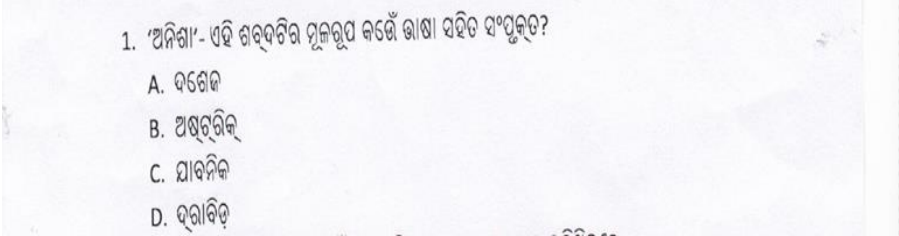
### **1. Sample Questions in Humanities: Conducting University: Utkal University**

Sl.No.	Course Offered by the Applicant	Subject of Examination	Course Content in Entrance Test	Sample Questions
1	Analytical and Applied Economics	Economics	From core papers and generic elective of the concerned subject of	Q1) <b>The Sum of Deviations of values in a series from the arithmetic mean is always equal to:</b> (A) Zero

	Economics		the UG syllabus. Questions from elective relates to fundamental and basic understanding on the subject .	(B) Positive (C) Negative (D) Minimum Q2) <b>Gross Domestic Product is the sum of the market value of the</b> (A) Intermediate goods (B) Final goods and services (C) Manufactured goods (D) Normal goods and services
	Environmental Economics			
2	AIHCA	History	From core papers and generic elective of the concerned subject of the UG syllabus. Questions from elective relates to fundamental and basic understanding on the subject.	Q1. Excavation at which Indus site brought to light seven layers of building architecture. (A) Harappa (B) Lothal (C) Mahenjodaro (D) Rakhigarhi Q2. Who said "History is an unending dialogue between the societies of the past and present"? (A) R.G.Collingwood (B) E.H.Carr (C) Croce (D) D) Hegel
	History			
3	Anthropology (Science)	Anthropology (Science)	The questions are from the UG curricular of Anthropology and from allied subjects such as Bio-Technology, Botany, Geology, Micro-Biology and Zoology as per CBCS syllabus.	Q) Inheritance of skin colour in human beings is an example of (A) Mendelian inheritance (B) Monogenic inheritance (C) Polygenic inheritance (D) D) Complementary gene

4	Anthropology (Arts)	Anthropology (Arts)	From core papers and generic elective of the concerned subject of the UG syllabus. Questions from elective relates to fundamental and basic understanding on the subject.	Q) Which of the following community of Odisha is classified as a Particularly Vulnerable Tribal Group (PVTG)? (A) Santal (B) Koli (C) Birhor (D) D) Bhumij
	Anthropology and Tribal Studies			
5	Education	Education	From core papers and generic elective of the concerned subject of the UG syllabus. Questions from elective relates to fundamental and basic understanding on the subject.	Which one of the following documents advocated for accelerating the process of modernization in India?  (A) University Education Commission, 1948-49 (B) Secondary Education Commission, 1952-53 (C) National Policy on Education, 1986 (D) Education Commission, 1964-66
6	English	English	Core, Generic Elective and competence in components expected of an Under Graduate student in the concerned subject	Q) Why did the Romantics make use of the sense of the sublime?  (A) To explore the archetypal Neo-Classical and founder of art history (B) To bridge the gap between the limited human faculties of understanding and the unimaginable infinity of physical universe. (C) To search for the founding principles of humanity, stripping away the rotten layers of superstition to reveal universal morally-based truths. (D) None of the above
7	Geography	Geography	From core papers and	Q) Which of the following separates the mantle and core?

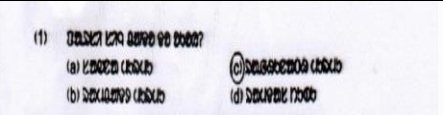
	Applied Geography		generic elective of the concerned subject of the UG syllabus. Questions from elective relates to fundamental and basic understanding on the subject.	(A) Conrad discontinuity (B) Mohorovicic discontinuity (C) Repetti discontinuity (D) Guttenberg- Weichert discontinuity
	RES and GIS			
8	Women's Studies	Women's Studies	General Knowledge covering Arts, Science and Commerce and basic concepts on the subject.	1. In which year the National Policy of Empowerment was enacted? (A) 2000 (B) 2001 (C) 2002 (D) 2004 2. Which Goal of the SDG speaks about Women's equality? (A) Goal-2 (B) Goal-5 (C) Goal-8 (D) Goal-10
	Gender Studies			
9	LLM	LLM	From core papers of the concerned subject of the LLB syllabus.	Q) "True law is that which has the right reason in agreement with nature" was propagated by (A) Cicero (B) Hart (C) Grotius (D) Salmond
	LLM (HR)			
10	Library and Information Science	Library and Information Science	General Knowledge covering Arts, Science and Commerce and basic concepts on the subject.	Q) Give the correct sequence of managerial functions listed below: (a) Reporting (b) Staffing (c) Planning (d) Organising (e) Co-ordinating (f) Budgeting

				<p>(g) Directing</p> <p>Codes:</p> <p>(A) (c), (d), (b), (f), (g), (a), (e)</p> <p>(B) (c), (d), (b), (g), (e), (a), (f)</p> <p>(C) (b), (d), (f), (c), (a), (g), (e)</p> <p>(D) (e), (g), (d), (f), (b), (a), (c)</p>
11	Odia	Odia	<p>From core papers and generic elective of the concerned subject of the UG syllabus. Questions from elective relates to fundamental and basic understanding on the subject.</p>	
12	Philosophy	Philosophy	<p>From core papers and generic elective of the concerned subject of the UG syllabus. Questions from elective relates to fundamental and basic understanding on the subject.</p>	<p>Q) Which of the following is regarded as Jaina epistemology</p> <p>(A) Syadvada</p> <p>(B) Anekantvada</p> <p>(C) Rationality</p> <p>(D) None of these</p>
	Philosophy and Critical Thinking			
13	Psychology	Psychology	<p>From core papers and generic elective of the concerned subject of the UG syllabus. Questions from elective relates to fundamental and basic understanding</p>	<p>Q) The Concept of token economy is related to-----.</p> <p>(A) psychoanalysis</p> <p>(B) Perceptual defence</p> <p>(C) Behaviour Therapy</p> <p>(D) Classical Conditioning</p>
	Applied Psychology			

			on the subject.	
14	Political Science	Political Science	From core papers and generic elective of the concerned subject of the UG syllabus. Questions from elective relates to fundamental and basic understanding on the subject.	Q) Which of the following does not constitute the core element of Realism? (A) Statism (B) Survival (C) Self-Help (D) Ethical Consideration
15	Public Administration	Public Administration	Elementary knowledge on Public Administration, Local Governance in India, Indian Administration, General Knowledge relating to public policy in India Constitutional systems of UK and USA Research Methodology, Current Affairs.	1.A.V.Dicey has propounded the concept-----. (A) Administrative Law (B) Administrative Justice (C) Rule of Law (D) Judicial Review
16	Sanskrit	Sanskrit	From core papers and generic elective of the concerned subject of the UG syllabus. Questions from elective relates to fundamental and basic understanding on the subject.	१. वेदाङ्गानां संख्या ... ? (A) षट् (B) सप्त (c) द्वादशः (D) नव

17	Sociology	Sociology	From core papers of the concerned subject and social work of the UG syllabus. Questions also relates to fundamental and basic understanding on the subject.	1. According to Max Weber, the bases of social stratification (A) Class, status and education (B) Class, power and Education (C) Honour and Power (D) Class, Status and power
	Social Work			2. Who is the author of the book "Integrated Social Work Practice"? (A) A.S. Desai, (B) S.B. Desai, (C) Murli Desai, (D) S.K. Khinduka
18	Home Science	Home Science	From core papers and generic elective of the concerned subject of the syllabus. Questions from elective relates to fundamental and basic understanding on the subject.	Q) Which is the master gland of the body? (A) Thyroid gland (B) Pituitary gland (C) Adrenal gland (D) D) Parathyroid gland
19	Hindi	Hindi	From the concerned subject of the UG syllabus. Questions relate to fundamental and basic understanding on the subject.	1. उच्चतम संस्थान का हिन्दू का पुराना नाम कितना था ? (A) मुमुना (B) उरुना (C) उरुना (D) उरुना 2. चन्द्र के चरित्र का नाम है: (A) मुमना (B) उरुना (C) उरुना (D) उरुना
20	Urdu	Urdu	From the concerned subject of the UG syllabus. Questions also relate to fundamental and basic understanding on the subject.	نظم 'نشاط امید' کے شاعر کا نام بتائیے۔ (A) اقبال (B) سرور جہان آبادی (C) چکبست (D) حالی



21	Santali	Santali	From the concerned subject of the UG syllabus. Questions also relate to fundamental and basic understanding on the subject.	
22	Journalism and Mass Communication	Journalism and Mass Communication	Current Affairs, Indian Government and Politics, General English, Indian Culture and Society, General Knowledge relating to media/mass communication	<p>Q) What is the date of adaption of Indian Constitution?  (A) 15<sup>th</sup> August, 1947  (B) 26<sup>th</sup> January ,1948  (C) 26<sup>th</sup> November, 1949  (D) 22<sup>nd</sup> January, 1947</p> <p>2. What is inverted pyramid?  (A) An ancient monument in Egypt  (B) Refers to structure of news  (C) Hierarchy in corporate house  (D) Classification of newspapers</p>
	Mass Communication and Media Technology			
23	Linguistic	Linguistic	Competence in components expected of an Under Graduate student in the concerned subject	<p>Q) Ferdinand De Saussure and Leonard Bloomfield were the proponents of ----- tradition of linguistics:  (A) Historical  (B) Generative  (C) Behaviorist  (D) Structuralist</p> <p>2. Which of the following sub-disciplines of linguistics discusses the meaning of language used in context:  (A) Pragmatics  (B) Semiotics  (C) Semantics  (D) Phonology</p>

24	Yoga and Naturopathy	Yoga and Naturopathy	Basic and Fundamental concepts of Yoga and Philosophy	1. How many chapters (Paadas) are there in Patanjali's Yoga sutra ? (A) 3 (B) 4 (C) 5 (D) 6
----	----------------------	----------------------	---	--

## 2. Sample Questions in Science: Conducting University: Sambalpur University

Sl.No.	Course Offered by the Applicant	Subject of Examination	Course Content in Entrance Test	Sample Questions
1	Bio-Chemistry Bio Science and Bio Informatics Bio Technology	Bio Technology	From Core and Generic elective papers of the U.G. curriculum on Bio Technology and associated subjects	1. What is the average molecular weight of an amino acid residue in a protein? (A) 128 (B) 118 (C) 110 (D) 120 2. Insertional mutagenesis for selection of recombinants involves (A) Production of heterotrophs (B) DNA sequencing using Maxam Gilbert method (C) Amplification of DNA after insertion of foreign DNA (D) Disruption of a gene on the plasmid by the inserted recombinant DNA

3.	Bio Diversity and Wildlife Conservation		From U.G. curriculum on the subjects as cited in Annexure II of CP for Bio Diversity and Wild life Conservation (78)	<p>Q) Which of the following region has maximum biodiversity?  (A) Mangroves  (B) Temperate rain forest  (C) Tiaga  (D) Coral reefs</p> <p>2. The most important reason for decrease in biodiversity is  (A) Habitat destruction  (B) Introduction of exotic species  (C) Over exploitation  (D) Habitat pollution</p>
3	Bio Informatics	Bio Informatics	From U.G. curriculum on the subjects as cited in Annexure II of CP for Bio Informatics and some basics of computer science	<p><b>1. Sequence Submission to GenBank are made using</b>  <b>(A) BankIt and Sequin</b>  (B) BankIt and BankIn  (C) BankIn and Sequin  (D) Entrez</p> <p><b>2. A comprehensive database for the study of human genetics and molecular biology is</b>  (A) PDB  (B) STAG  <b>(C) OMIM</b>  (D) PSD</p>
4.	Botany	Botany	From Core and Generic elective papers of the U.G. curriculum on Botany	<p>Q) Water potential values are always  (A) Positive  (B) Negative  (C) Both Positive and Negative  (D) None of the above</p>

5	Applied Chemistry	Chemistry	From core papers and generic elective papers of the UG Chemistry syllabus.	<p>Q) When alpha particles are used to bombard gold foil, most of the alpha particles pass through undeflected. This result indicates that most of the volume of a gold atom consists of -----.</p> <p>(A) Deuterons (B) Protons (C) Neutrons (D) Unoccupied space</p>
	Analytical Chemistry			
	Chemistry			
	Industrial Chemistry			
6	M.Sc. (Computer Science )	Computer Science	From core papers and generic elective of the concerned subject of the UG computer Science syllabus. Questions from elective relates to fundamental and basic understanding on the subject.	<p>The Highest speed is offered by (A) BICMOS (B) TTL (C) ECL (D) CMOS</p> <p>2. The proposition <math>\sim p \vee q</math> is equivalent to (A) <math>p \rightarrow q</math> (B) <math>q \rightarrow p</math> (C) <math>p \leftrightarrow q</math> (D) <math>p \vee q</math></p> <p>3. <code>printf("%c", 200);</code> (A) prints 200 (B) prints ASCII equivalent of 200 (C) prints garbage (D) none of the above</p>
	MCA			
	M.Sc. (IT)			
7	Electronic Science(M. Sc.)	Electronic Science	Knowledge of Core, Generic Elective and competence in components expected of an Under Graduate student in the concerned subject that will be a combination of Physics, Chemistry,	<p>Q) An undesirable side effect of motivational inductance of large conducting specimen is:</p> <p>(A) skin effect (B) hysteresis (C) eddy Current (D) dielectric loss</p>

			mathematics and electronics Engineering	
8.	Electronics and Telecommunication (M. Sc.)	Electronics and Telecommunication (M. Sc.)	From the general area of UG mathematics, Electrical and electronic sciences relating to fundamental and basic understanding on the subjects.	<ol style="list-style-type: none"> <li>1. What is the decimal equivalent of <math>2^{10}</math> ? (A) 4096; (B) 1024; (C) 1000; (D) 16</li> <li>2. Semiconductor memory is (A) Somewhat slower than Magnetic Core Memory (B) Volatile Memory (C) Both (A) &amp; (B) All of the above</li> </ol>
9	Environmental Science	Environmental Science	From fundamental and basic understanding of physics, chemistry, botany, zoology, geology, mathematics and environmental sciences as mentioned in the CP at UG level	<ol style="list-style-type: none"> <li>1. In an aqueous solution the concentration of <math>H^+</math> ions are equal at pH=0 value is (A) 0 moles/L (B) 7 moles/L (C) 14 moles/L (D) 1 mole/L</li> <li>2. Which mineral is most susceptible to weathering (A) Olivine (B) Albite (C) Orthoclase (D) Quartz</li> </ol>
	Natural Resources Management and Geo informatics			
10	Geology	Geology	Knowledge of Core, Generic Elective and competence in	<p>Q) Which of the following separates the mantle and core?</p> <p>(A) Conrad discontinuity (B) Mohorovicic discontinuity</p>

	Applied Geology		components expected of an Under Graduate student in the concerned subject	(C) Repetti discontinuity (D) Guttenberg- Weichert discontinuity
	Earth Science			
11	Life Science	Life Science	Knowledge of Core, Generic Elective and competence in components expected of an Under Graduate student in the concerned subject that will be a combination of Physics, Chemistry, bio technology, mathematics, botany and zoology.	Q) The pKa of acetic acid is 4.76. Calculate the pH of a mixture of 0.1 M acetic acid and 0.2M sodium acetate. (A) 4.1 (B) B5.1 (C) .1 (D) 7.1
12	Marine Science (Biology)	Marine Science (Biology)	Core, Generic Elective and competence in components expected of an Under Graduate student in the concerned subject that will be a combination of	Q) In Aquatic mammals, a blubber is present  (A) In the Skin (B) Around different organs (C) In the Muscles (D) In the connective tissue

			botany, zoology, microbiology, biotechnology, life science and fishery science	
13	Marine Science (Oceanography)	Marine Science (Oceanography)	Core, Generic Elective and competence in components expected of an Under Graduate student in the concerned subject that will be a combination of Physics and related engineering subjects.	Q) World Environment Day is (A) 5 <sup>th</sup> June (B) 6 <sup>th</sup> July (C) 7 <sup>th</sup> August (D) 8 <sup>th</sup> September
14	Mathematics	Mathematics	From core papers and generic elective of the concerned subject of the UG syllabus. In Mathematics	Q) The system of equations $4x + 6y = 8$ $7x + 8y = 9$ has $3x + 2y = 1$ (A) No solutions (B) Only one solution (C) Two solutions Infinite number of solutions

15	Materials Science	Materials Science	From core papers and generic elective of the concerned subject of the UG syllabus. Questions from elective relates to fundamental and basic understanding on the subject.	Q) LPG constitute of mainly (A) Methane, ethane and hexane (B) Ethane, hexane and nonane (C) Methane, hexane and nonane (D) Methane, butane and propane
16	Microbiology	Microbiology	From core papers and generic elective of the concerned subject of the UG syllabus i.e. microbiology.	Q) According to Bergey's manual of systematic bacteriology, the prokaryotes that lack cell wall belong to -----group. (A) Gracilicutes (B) Firmicutes (C) Tenericutes (D) Mendosicutes
	Applied Microbiology			
	Industrial Microbiology			
17	Physics	Physics	From core papers and generic elective of the concerned subject of the UG syllabus. Questions from elective relates to fundamental and basic understanding on the subject.	Q) The rank of the matrix $A = \begin{bmatrix} 1 & 2 & 3 \\ 2 & 4 & 5 \end{bmatrix}$ is (A) 0 (B) 1 (C) 2 (D) 3
	Applied Physics			
	Physics/ Applied Physics/ Applied Physics and Ballistics			
18	Public Health (MPH)	MPH	From fundamental knowledge as expected from a UG student on basic	Q) The most important element of ethical research on human subject is  (A) Beneficence



			concepts of Physics, Chemistry, Biology and Environment	(B) Justice (C) Informed Consent (D) Local Permission
19	Statistics	Statistics	From core papers and generic elective of the concerned subjects of the UG syllabus. Questions from elective relates to fundamental and basic understanding on the subject	Q) The mean and variance of Gamma distribution (A) are same (B) cannot be same (C) are sometimes equal (D) D) are equal in the limiting case, as $n \rightarrow \infty$
20	Zoology	Zoology	From core papers and generic elective of the concerned subject of the UG syllabus. Questions from elective relates to fundamental and basic understanding on the subject.	Q) Hydra prevents self- fertilization by being  (A) Protogynus (B) Hermaphrodite (C) Protandrous (D) Monoecious

### **3. Sample Questions in Commerce and Business Management: Conducting University: Berhampur University**

Sl.No.	Course Offered by the Applicant	Subject of Examination	Course Content in Entrance Test	Sample Questions
1	Commerce	Commerce	From Core and Elective	Q) The value of an asset after reducing depreciation from the

	Commerce (Entrepreneurship)		papers of UG Commerce	historical cost is known as: (A) Fair Value (B) Market Value (C) Book Value (D) Net realizable value
	MFC (Master in Finance and Control)			
2	PMIR	PMIR	General awareness, General English, Quantitative aptitude and Reasoning..	1. "Shop Management" concept was given by: (A) F.W.Taylor (B) Peter F. Drucker (C) F. Emerson 2. Mediation is a process involved in: (A) Collective Bargaining (B) Conciliation (C) Domestic Enquiry (D) Grievance Handling
	IRPM			
3	Population Studies	Population Studies	From demography related general knowledge and information based questions as per UG course	1. Which Census onwards, 0-6 age group is considered as illiterate population? (A) 1991 (B) 1981 (C) 2001 (D) 2011 2. Natality means, (A) Death rate (B) Birth rate (C) Population (D) Demography
4	MBA (Rural Management)	MBA (Rural Management))	General awareness, General English, Quantitative aptitude and Reasoning plus information seeking questions related to Rural Sector.	1. NABARD was set up in : (A) a.1892 (B) b. 1992 (C) c.1995 (D) d. 2000 2. which of the following is known as summer crops (A) Rabi Crops (B) Zaid Crops
	Rural Development			

				(C) c, Kharif Crops (D) d. None of the above
5	MBA (Travel and Tourism Management)	MBA (Travel and Tourism Management)	General awareness, General English, Quantitative aptitude and Reasoning plus information seeking questions related to Travel and tourism sector	<p>1 What is the correct order of human needs as given in need-hierarchy theory of Abraham Maslow ? Choose the correct order from the following :</p> <p><b>1</b> Physiological, security, affiliation, esteem, self-actualisation  <b>2</b> Security, affiliation, physiological, esteem, self-actualisation  <b>3</b> Affiliation, security, esteem, physiological, self-actualisation  <b>4</b> Self-actualisation, esteem, security, affiliation, phys</p> <p>2. Look at this series: 12, 11, 13, 12, 14, 13..... What number should come next?  (A) 10 (B)16 (C) 13 (D) 15</p>
6	MBA (Business and Economics) MBA (Business Administration) MBA (Finance Management) Masters in Business Economics Master in Financial Management	MBA (Business Administration)	General awareness, General English, Quantitative aptitude and Reasoning and information seeking questions related to business, finance, economics and management	<p>Q) The most distinguishing feature of monopolistic Competition market is,</p> <p>(A) Large number of buyers and sellers  (B) Free entry and exit  (C) Control Over Price  (D) Product Differentiation</p> <p>2. The optimum level of output for a business is where,  (A) Profit is maximized  (B) Revenue is maximized  (C) Marginal cost is minimized  (D) Average cost is minimized</p> <p>3. The algebraic sum of deviations of values of a series from their arithmetic mean is:</p>

				(A) Maximum (B) Minimum (C) Zero (D) Depends on values
--	--	--	--	---