



## **GUIDELINES FOR SETTING OF QUESTION PAPERS FOR ONLINE REGULAR/ REAPPEAR END TERM EXAMINATIONS 2020 (ODD SEMESTER)**

In the light of changing global scenario and the mission of the University, Online examinations are the future of education. The package of reachability, scalability, and security makes online examination the most desirable. Keeping in view, the safety and security of the students AUH shall be conducting Odd Semester Examinations (Nov 2020) in remote / Online Mode.

### **Introduction:**

Instructions of setting of question papers are outlined below. The question papers for the online End Semester Examinations shall be set in such a manner so as to ensure that they cover the entire Course Curriculum as per the weightage of the modules of the concerned course unit. The online questions should be framed in such a way that the Learning Outcomes of the course are assessed properly.

The tests and examinations shall aim at evaluating not only the student's ability to recall information, which student had memorized, but also their understanding of the course, ability to apply the concepts in real life situations, analyze, evaluate and create information into a meaningful whole. The question paper would test the various levels of cognitive learning as per Bloom's Taxonomy.

Some of the questions shall be analytical / applied and invite original thinking or application of theory.

The paper setters should give wider choice to the students for answering questions, by providing alternate questions in each of the sections of the question paper. The total option in a question paper should not be more than 30% of the total marks assigned to a question paper.

### **Structure and Marks of Question Papers:**

The online question paper of end semester examination shall be of 50 marks and may have two modes as follows:

- a) Mode 1: Only Multiple-Choice Questions (MCQ)
- b) Mode 2: Only Open Book Examination (OBE)

### **MODE 1: Only MCQs**

Students shall mark his/her choice for MCQs on the system itself.

**Duration:** The total duration of the MCQ examination shall be of 1hour.

<b>Maximum Marks 50</b>			
Type of Courses	<b>A Knowledge &amp; understanding</b>	<b>B Apply &amp; Analyze</b>	<b>C Evaluate &amp; Create</b>
<b>Theory</b>	<b>20 Marks</b> Each question of 01 mark (Students will answer any 20 questions out of 25 questions)	<b>16 Marks</b> Each question of 02 marks (Students will answer any 8 questions out of 11 questions)	<b>14 marks</b> Each question of 02 marks (Students will answer any 7 questions out of 9 questions)
<b>Numerical/ Mathematical</b>	<b>20 Marks</b> Each question of 02 marks (Students will answer any 10 questions out of 12 questions)	<b>16 Marks</b> Each question of 02 marks (Students will answer any 8 questions out of 10 questions)	<b>14 marks</b> Each question of 3.5 marks (Students will answer any 4 questions out of 6 questions)
<b>Hybrid (Theory+Numerical)</b>	<b>20 Marks</b> Each question of 01 mark (Students will answer any 20 questions out of 25 questions)	<b>16 Marks</b> Each question of 02 marks (Students will answer any 8 questions out of 11 questions)	<b>14 marks</b> Each question of 3.5 marks (Students will answer any 4 questions out of 5 questions)

Each MCQ in section of A, B and C will have 2 to 5 choices with one correct answer.

### **MODE 2: Only Open Book Examination (OBE)**

The Open Book Examination is an assessment method designed in a way that allows students to refer to either class notes, textbooks, or other material while answering questions. When used properly, it will be pointless for students taking the open book examinations to consult any material they have brought, because the questions will be designed in such a way that the answers will not be found in the textbooks, handouts or class notes.

The main premise for open book exams is that teachers can devise questions that require students to answer in more critical and analytical ways thus encouraging high-order thinking skills in their students; as compared to closed book or traditional exams that tend to encourage rote learning and more superficial application of knowledge.

- a) The written exam of subjective questions will be conducted through AMIZONE platform.
- b) Student can attempt questions and upload the scanned answer sheet in stipulated time frame.

**Duration:**

The total duration of the OBE shall be of 2 hours plus additional up to 45 minutes which will be utilized for uploading the scanned images of answer sheets after completion of the examinations.

Maximum Marks *	Bloom's Learning Level		Bloom's Learning Level	
	<ul style="list-style-type: none"> <li>• Knowledge</li> <li>• understanding,</li> <li>• Apply &amp;</li> <li>• Analyze</li> </ul>		<ul style="list-style-type: none"> <li>• Evaluate</li> <li>• Create</li> </ul>	
50	<b>SECTION A (30 Marks)</b>		<b>SECTION B (20 Marks)</b>	
	3	Each problem will have 2 questions of 5 marks each (Answer any 3 problems out of 4 problems)	2	Each problem will have 2 questions of 5 marks each. (Option of 1 question of 5 marks is to be provided in 1 problem)

Questions papers for Open Book Exams need to be devised to assess student's ability of interpretation and application of knowledge, comprehension skills, and critical thinking skills rather than only knowledge recall.

**Type of Questions:**

- a) Questions paper setter should prepare case-based questions that require students to apply critical reasoning skills in response to the question.
- b) Structure content or topic questions in a way that tests for an ability to apply, analyse, synthesize, interpret evaluate, create, etc.
- c) Questions paper setter should design questions and overall exam paper with the learning outcomes in mind i.e. what skills and knowledge are you assessing?
- d) Questions may be essay-style questions or involve problem solving or delivering solutions. The style of question depends on the particular domain setting the exam.  
For example, in Law, the questions may set up a hypothetical fact situation that students need to discuss
- e) The questions should not have been discussed at any time in the class or in the tutorial/assignment/test. They should be formulated in such a way that students can demonstrate that they have read, digested, and understood the material and have the ability to apply what they have learnt.
- f) The question should not be easily available in any book or online.

## **Timeline and Responsibility**

- a) HOI will designate a senior faculty member/s, out of the group of faculty members who are teaching the course in the concerned semester and will recommend him/her for setting of two sets of question papers of that course.
- b) HOI with the help of HODs and subject matter experts will do the Moderation of question papers.
- c) The moderated question papers will be randomly selected by technological platform for conduct of examination.
- d) High order of secrecy is to be maintained at all levels while dealing with question papers.

### **Answer Key:**

The paper setters will provide the answer key for MCQ.

### **Marking Scheme:**

The marking for the MCQ Questions will be of Absolute type (Only one option is correct):

### **Sample Absolute Marking: (only one correct answer)**

**Q1.** If  $x$  distance is covered at  $y$  speed and half of this distance is covered in double the time, then the ratio of the two speeds is:

- A) 2 : 1
- B) 4 : 1
- C) 3 : 1
- D) 1 : 1

### **Correct Answer: Option B**

For Choosing B only: 100% Marks

For choosing any of the Option A, C and D: 0 Marks

The paper setter must ensure, whole syllabus is covered while setting the question papers for MCQ or OBE. Therefore, appropriate case study/Problem must be selected while designing the questions. The level of difficulty be such, which will be able to differentiate between excellent, good and average students.

All regulatory guidelines will be followed (BCI, INC, PCI, RCI and COA).