Comments   Please see the attached report.

COMP62342 Exam Performance Feedback AY15-16

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General Remarks

There were 20 students who sat the exam. The median mark was 29 out of 52, with the mean mark 29. There were 4 students with a mark below 50%. Some of these students *may* be able to pass the unit with suitable coursework marks. There was 1 student who achieved a mark above 70% in the exam.

Overall, performance on the MCQs and true/false questions was better than in the essay style questions (25–29).

Item analysis

As the item analysis (run on all questions) shows, the exam had 7 easy, 21 medium and 1 hard questions, which we consider to be a good mix. It also had 1 question whose discrimination could not be calculated, and 5 questions with poor discrimination; these have all been reviewed: the first one was a question which was very easy (all students answered it correctly); the six questions were all considered acceptable (they were mostly relatively easy).

Among the most difficult multiple choice questions were questions that asked

- to identify which of the given OWL class expressions was equivalent to a relatively easy, given one.

- to determine whether a given, simple ontology entails a given, simple axiom.

- about OWL annotation properties: again, this question can be answered correctly by anybody who has a basic understanding of OWL, so the poor performance came as a surprise.

Each of these questions can be answered correctly by anybody who has a basic understanding of OWL and its semantics, and so the poor performance on these questions was a suprise–in particular, because all but one student following this course unit had previously followed a course unit on logic and automated reasoning.

Question 25

Average score: 0.83 (out of 5)

Overall, this question was not answered well. The ontology needs to be parsed, and the data structure inspected. Reasoning does *not* play a part here – we are primarily concerned with the assertions in the ontology.

Many answers consisted of incoherent, irrelevant statements. Too many answers failed to even consider or address the question that was asked – that of building an *application*. Details of the OWL API were not considered sufficiently. The need for reasoning was stated incorrectly in many answers.

Question 26

Average score: 1.86 (out of 4)

Answers to this question were reasonable. Ideally answers would have touched on the need for partonomic relations and some taxonomy, plus a GCI that established the fact that a bicycle with a party that was fault was also faulty.

Many answers didn't actually address the notion of a Faulty Bicycle however, but just provided some kind of partonomic model of bicycle parts. The partonomies were, in the main, acceptable.

Question 27

Average score: 1.08 (out of 3)

Many students had difficulties answering this rather straighforward question: it involved recognising that the statement corresponds to a "SubClassOf" axiom whose right hand side involves both a "some" and an "only" restriction, and many students struggeled to recognise these three points, and to realise them correctly.

Question 28

Average score: 3.13 (out of 5)

Most students performed reasonably on this question, but only few realised that there were three central, independent dimensions involved: clothing, fabric, and fibres: many students conflated these three into just two, which doesn't reflect the scenario well at all.

Question 29

Average score: 2.23 (out of 5)

The performance on this question was (expectedly) mixed: this was a question targeted at the high performing end of the class, and required both good understanding of the material (to describe what post-coordination is) and the ability to think of a suitable example.

COMP62342 Ontology Engineering for the Semantic Web - Final Exam

Analysis Last Run 17 June 2016 12:12. Run Item Analysis again to display the latest question data

Test Summary

52.0	29	0	20	29.7	01 hr 54 min
Possible Points	Possible Questions	In Progress Attempts	Completed Attempts	Average Score	Average Time

Discrimination

12	Good Questions
11	Fair Questions
5	Poor Questions
1	Cannot Calculate

Difficulty

7	Easy Questions
21	Medium Questions
1	Hard Questions