

QUESTIONBANK

IMPROVE THE PERFORMANCE OF THE QUESTION AND YOU IMPROVE THE PERFORMANCE OF THE ASSESSMENT.



QuestionBank is designed to help you improve the quality of your assessment questions. It allows you to bank, monitor and refine a rich library of questions.

Preparation

To begin with, you create libraries of questions, usually related to subject categories. Then, using Windows-style directory trees, you add sub-categories. So, for example, you could have a category titled 'Physics', with 'Particle' as a sub-category.

Once you've created your library, you then populate it with specific questions related to the categories and sub-categories, from which you generate assessment papers.

Question Styles

QuestionBank supports the various question styles available with MultiQuest, plus question styles for use with the SWA (Short Written Answer) and OSCE (Objective Structured Clinical Examination) systems. For example:

- Questions which are true/false
- Questions with a stem and a variable number of true/false items (e.g. a stem with 5 items true/false)
- Single Best Answer
- Extended Matching
- SWA questions with model answers
- Modified essay questions with model answers
- OSCE questions and station material
- Questions may incorporate rich text, diagrams, mathematical/chemical formula and pictures.

Question Management

Having designed the structure of the QuestionBank, an examination administrator is able to:

- Allocate questions to a specific category or sub-category
- Enter, amend or delete questions
- Select questions for an assessment by: manually browsing, randomly selecting, or by using an algorithmic procedure or 'blue printing'
- Generate question papers and other examination material
- Keep the question performance statistics, along with questions' development history.
- Produce reports for use at examiners' meetings

Scoring and Reporting

Having scored your assessment papers in QuestionBank, you can examine the statistics for each question, providing you with data to make reports. This data is crucial because it allows you to see, at a glance, which questions need to be improved and, consequently, amended in the directory.

[Screenshots overleaf](#) 

A SELECTION OF SPEEDWELL QUESTIONBANK SCREENSHOTS ARE SHOWN BELOW.

Question Statistics

Number: 142 Name: Plastic Surgery EMI Examination 357
 Date: 21/06/2008 No. of Candidates: 32
 Mean Score: 0.47 Standard Deviation: n/a

Item 1

Facility: 0.47 Correct Response: | Question No.: 99
 Point Biserial: 0.02 Discrimination: 0.23

Response	No. in Top Third	No. in Mid Third	No. in Low Third	Total	Mean Score
H	0	0	0	0	n/a
I	8	1	5	15	93.60
J	0	0	0	0	n/a

Examination Statistics

Speedwell Question Bank

- EMI - Neurosurgery
 - Disease
 - Congenital
 - Degenerations
 - Endocrine
 - Genetic
 - Iatrogenic
 - Idiopathic
 - Immune Disease
 - Infections
 - Inflammation
 - Metabolic
 - Non Accidental Injury
 - Poisonings
 - Substance Abuse
 - Trauma
 - Tumours
 - Vascular
 - Miscellaneous
 - Healthy
 - Acoustics
 - Anatomy
 - Biochemistry
 - Business

Number	Question Title
3973	VISUAL FIELDS
4127	FACIAL PAIN
4267	BACK PAIN
4268	BACK PAIN
4269	BACK PAIN
4272	ACUTE MYELOPATHY
4360	NEUROLOGICAL EYE SIGNS
4390	INVESTIGATIONS
4470	ANTIBIOTICS IN DAILY PRACTISE

Bank Category Structure

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Pentiles

Response Frequencies

- Multi 0.0%
- Blank 0.0%
- A 0.0%
- B 0.0%
- C 0.0%

Question Statistics

Print Options

Send To

- Screen
- Printer
- File
 - Rich Text
 - HTML
 - CSV

C:\Program Files\Speedwell\GPQB\Trauma & Orthopaedic EMI Examination TR01

Use Preview Style

Statistics Options

- Examination Name and No.
- Examination Date
- Number of Candidates
- Mean Score
- Standard Deviation
- Facility
- Discrimination
- Summary Information
- Times Used
- Date Last Used
- Total Candidates
- Overall Mean Score
- Correct Responses
- Point Biserial
- Thirds Analysis
- Response Frequencies
- Response Percentage
- Mean Scores by Response
- Pentile Histograms
- Response Frequency Charts
- Item Discrimination

Print Options