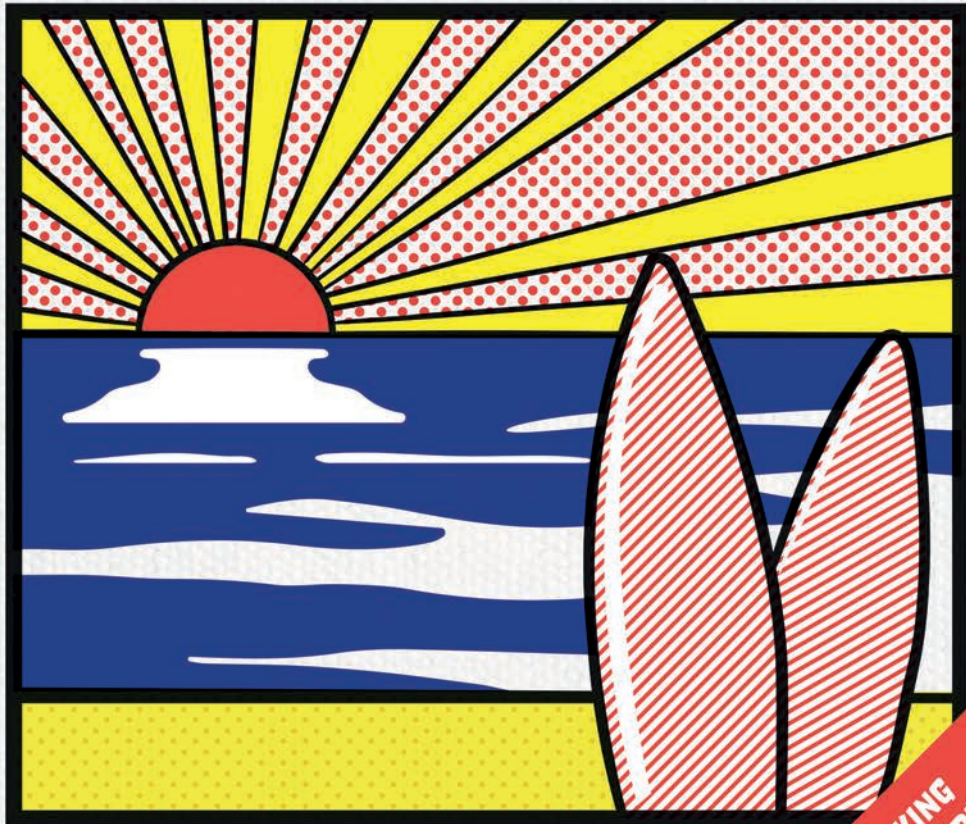


CLINICAL SKILLS FOR

6TH
Edition

OSCEs



NEEL BURTON

**MOCK MARKING
SCHEMES INSIDE**

Hand washing MMS

Instructions: You are about to examine a patient. Wash your hands.

Time allowed: 6 minutes.

1. Thoroughly wets hands with warm water	0	1	-
2. Applies liquid soap or disinfectant from dispenser	0	1	-
3. Washes hands using Ayliffe technique: palm to palm	0	1	2
4. right palm over left dorsum and vice versa	0	1	2
5. palm to palm with fingers interlaced	0	1	2
6. back of fingers to opposing palms with fingers interlocked	0	1	2
7. right thumb clasped in left palm and vice versa	0	1	2
8. fingers of right hand clasped in left palm and vice versa	0	1	2
9. Rinses hands thoroughly and appropriately	0	1	2
10. Turns taps off with elbows	0	1	2
11. Dries hands with paper towel	0	1	-
12. Disposes of paper towel appropriately	0	1	-

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 24

Scrubbing up for theatre MMS

Instructions: Scrub up for theatre and talk through the various steps involved.

Time allowed: 6 minutes.

1. Indicates need to change into scrubs	0	1	-
2. Indicates need to put on clogs or plastic overshoes	0	1	-
3. Indicates need to remove all items of jewellery, including watch	0	1	-
4. Dons theatre cap	0	1	2
5. Dons face mask	0	1	2
6. Opens sterile gown pack	0	1	-
7. Lays out sterile gloves	0	1	-
8. Opens brush packet	0	1	-
9. Performs social wash	0	1	2
10. Performs second wash	0	1	2
11. Performs third wash	0	1	2
12. Turns taps off with elbows	0	1	-
13. Dries arms and hands	0	1	-
14. Dons gown whilst maintaining sterility	0	1	2
15. Dons gloves whilst maintaining sterility	0	1	2

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 26

Venepuncture/phlebotomy MMS

Instructions: Assume that the anatomical arm is a patient and take blood from it for a full blood count (FBC). Talk through the various steps involved.

Time allowed: 6 minutes.

1. Introduction and orientation (checks identity, explains procedure, asks for consent, ensures patient's comfort)	0	1	2
2. Gathers correct equipment, including sharps bin	0	1	2
3. Selects appropriate vein	0	1	2
4. Applies tourniquet and rechecks vein	0	1	2
5. Puts on gloves	0	1	2
6. Cleans venepuncture site with alcohol wipes	0	1	2
7. Attaches needle to needle holder in safe manner	0	1	2
8. Warns the patient to expect 'sharp scratch' or similar	0	1	2
9. Retracts skin to stabilise vein and inserts needle	0	1	2
10. Fills appropriate bottles	0	1	2
11. Releases tourniquet	0	1	2
12. Removes needle and immediately disposes of it in sharps bin	0	1	2
13. Ensures that patient is comfortable	0	1	2
14. Labels bottles appropriately (or explains how to do so)	0	1	2
15. Fills in blood test form appropriately (or explains how to do so)	0	1	2

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 34

Cannulation and setting up a drip MMS

Instructions: Cannulate the anatomical arm and set up a drip.
Talk through the various steps involved.

Time allowed: 6 minutes.

1. Indicates need to check patient's identity, explain procedure, obtain consent	0	1	2
2. Gathers appropriate equipment	0	1	2
3. Checks fluid prescription chart	0	1	2
4. Checks fluid in the bag and its expiry date	0	1	2
5. Connects giving set to fluid bag	0	1	2
6. Primes giving set	0	1	2
7. Locates suitable vein	0	1	2
8. Applies tourniquet to arm	0	1	-
9. Dons gloves	0	1	2
10. Inserts cannula	0	1	2
11. Immediately disposes of needle	0	1	2
12. Attaches giving set	0	1	2
13. Fixes cannula with adhesive plaster	0	1	2
14. Adjusts drip rate	0	1	2
15. Indicates need to sign fluid chart	0	1	-

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 32

Blood transfusion MMS

Instructions: Talk through the various steps involved in setting up a blood transfusion. Assume that the patient has already been cannulated and that the cannula is of an appropriate size.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Indicates need to crossmatch the patient	0	1	2
3. Indicates need to prescribe blood at a rate of 1 unit/4 hours	0	1	2
4. Indicates need to consider prescribing 20mg frusemide with second unit	0	1	2
5. Indicates need for baseline observations to be recorded	0	1	2
6. Indicates need for transfusion to commence within 30 minutes of blood leaving blood refrigerator	0	1	-
Indicates need for checking procedures with an appropriate colleague:			
7. Positively identifies patient	0	1	2
8. Ensures that patient's identifying data matches that on identity bracelet, case notes, prescription chart, and blood compatibility report	0	1	2
9. Records blood group and serial number on unit of blood and makes sure that they match blood group and serial number on blood compatibility report and blood compatibility label attached to unit of blood	0	1	2
10. Checks expiry date on unit of blood	0	1	-
11. Inspects blood bag for leaks, blood clots, discoloration	0	1	2
12. Describes method for expelling air from transfusion giving set	0	1	2
13. Indicates need to adjust drip rate to the equivalent of 1 unit/4 hours	0	1	-
14. Indicates need to sign and countersign prescription chart and blood compatibility report, indicating date and time transfusion was commenced	0	1	2
15. Indicates need to monitor patient's observations at appropriate intervals	0	1	2
16. Indicates need to observe patient for signs of adverse transfusion reactions	0	1	-

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 32

Intramuscular, subcutaneous, and intradermal drug injection MMS

Instructions: Deliver an intramuscular injection to the model/skin pad and talk through the various steps involved.

Time allowed: 6 minutes.

1. Introduction and orientation (checks identity, explains task, asks for consent)	0	1	2
2. Gathers appropriate equipment	0	1	2
3. Consults drug chart for prescription	0	1	2
4. Consults drug chart for allergies	0	1	–
5. Consults drug chart for anticoagulation	0	1	–
6. Checks vial for dose	0	1	–
7. Checks vial for expiry date	0	1	–
8. Dons gloves	0	1	2
9. Draws up correct volume of drug using 21G needle	0	1	2
10. Removes 21G needle and attaches 23G needle	0	1	–
11. Selects appropriate injection site (deltoid muscle)	0	1	2
12. Cleans site with alcohol wipe and allows to dry	0	1	2
13. Introduces needle at 80–90 degree angle in quick, firm motion	0	1	2
14. Ensures needle has not entered a blood vessel	0	1	2
15. Slowly injects drug	0	1	2
16. Immediately and appropriately disposes of needle	0	1	2
17. Applies gentle pressure over injection site with cotton wool	0	1	–
18. Indicates need to ensure patient is comfortable	0	1	–
19. Indicates need to sign prescription chart and write in medical records	0	1	–
20. Indicates need to make entry in medical records	0	1	–

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 35

Intravenous drug injection MMS

Instructions: Deliver an intravenous injection to an anatomical arm and talk through the various steps involved.

Time allowed: 6 minutes.

1. Introduction and orientation (checks identity, explains task, asks for consent)	0	1	2
2. Gathers appropriate equipment	0	1	2
3. Consults drug chart for prescription	0	1	2
4. Consults drug chart for allergies	0	1	–
5. Looks up drug in British National Formulary	0	1	2
6. Checks vial for name, dose, and expiry date	0	1	2
7. Checks diluent for name and expiry date	0	1	2
8. Indicates need to have steps 6 and 7 counterchecked	0	1	2
9. Dons gloves	0	1	–
10. Draws up correct volume of diluent using 21G needle	0	1	2
11. Reconstitutes drug with diluent	0	1	–
12. Draws up reconstituted drug	0	1	–
13. Attaches fresh 21G needle to syringe	0	1	–
14. Indicates need to apply tourniquet to patient's arm	0	1	–
15. Selects suitable vein	0	1	–
16. Cleans site with alcohol wipe and allows to dry	0	1	2
17. Inserts needle into vein until flashback is seen	0	1	2
18. Indicates need to undo tourniquet	0	1	–
19. Administers drug at correct speed	0	1	2
20. Immediately and appropriately disposes of needle	0	1	2
21. Applies gentle pressure over injection site with cotton wool	0	1	–
22. Indicates need to ensure patient is comfortable	0	1	–
23. Indicates need to sign prescription chart and write in medical records	0	1	–
24. Indicates need to make entry in medical records	0	1	–

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 40

Examination of a superficial mass and of lymph nodes MMS

Instructions: Mr Colin Lyas is 34 years old. Please examine the lump on his right arm.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Ensures patient's comfort, asks about pain	0	1	2
3. Inspects lump and overlying skin	0	1	2
4. Palpates lump and assesses: temperature	0	1	-
5. number	0	1	-
6. size	0	1	-
7. shape	0	1	-
8. surface	0	1	-
9. consistency	0	1	-
10. mobility	0	1	-
11. Transilluminates lump	0	1	2
12. Assesses whether lump is pulsatile	0	1	2
13. Indicates need to examine proximal lymph nodes	0	1	-

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

14. Summarises key findings	0	1	2
15. Offers an appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 30

Chest pain history MMS

Instructions: 56-year-old Ms Shenaz Singh presents to A&E with acute onset chest pain. Please take a history focusing on the presenting complaint and the history of presenting complaint, but including key aspects of other parts of the history.

Time allowed: 6 minutes.

1. Introduction and orientation (explains task, asks for consent)	0	1	2
2. Ensures patient is comfortable	0	1	2
3. Asks about nature of chest pain using open questions	0	1	2
4. For the pain, determines: site and radiation	0	1	2
5. character	0	1	2
6. severity	0	1	2
7. onset and duration	0	1	2
8. aggravating and alleviating factors	0	1	2
9. associated symptoms	0	1	2
10. Past medical history, key aspects	0	1	2
11. Drug history, key aspects	0	1	2
12. Family history, key aspects	0	1	2
13. Social history, key aspects	0	1	2

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

14. Summarises key findings	0	1	2
15. Offers an appropriate differential diagnosis	0	1	2

Examiner to ask: "What investigations would you carry out to help confirm your diagnosis?"

16. Suggests appropriate investigations, including physical examination	0	1	2
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Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 40

Cardiovascular risk assessment MMS

Instructions: 45-year-old Mr Adrian Lumley is worried about having a heart attack. Assess his risk of cardiovascular disease.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Establishes rapport with patient	0	1	2
3. Empathises with patient	0	1	2
4. Asks about fixed risk factors: age and ethnic background	0	1	2
5. Asks about fixed risk factors: family history	0	1	2
6. Asks about hypertension	0	1	2
7. Asks about hyperlipidaemia	0	1	2
8. Asks about diabetes mellitus	0	1	2
9. Asks about cigarette smoking	0	1	2
10. Asks about alcohol use	0	1	2
11. Asks about exercise	0	1	2
12. Asks about stress	0	1	2

Examiner to ask: "Please give the patient some feedback on his cardiovascular risk."

13. Gives appropriate feedback	0	1	2
14. Suggests appropriate course(s) of action	0	1	2
15. Addresses any remaining concerns	0	1	2

Examiner to ask: "What are the desirable levels of LDL, HDL, and total cholesterol?"

16. Answers correctly	0	1	2
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Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 40

Blood pressure measurement MMS

Instructions: Mrs Anna Katsoulas is 52 years old. Record her blood pressure.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Establishes rapport with patient and puts patient at ease	0	1	2
3. Correctly positions patient's right arm	0	1	2
4. Correctly positions vertical column	0	1	2
5. Successfully locates brachial artery	0	1	2
6. Selects and applies appropriately sized cuff	0	1	2
7. Inflates cuff to appropriate level	0	1	2
8. Correctly positions stethoscope	0	1	2
9. Reduces pressure in cuff at appropriate rate	0	1	2
10. Accurately reports patient's blood pressure	0	1	2
11. Accurately interprets the blood pressure reading for patient	0	1	2

Examiner to ask: "What investigations would you carry out in a case of suspected hypertension?"

12. Suggests confirming hypertension	0	1	2
13. Suggests assessing for a possible secondary cause	0	1	2
14. Suggests assessing for end-organ damage	0	1	2

Examiner's global score

0 1 2 3 4

Actor or patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 36

Cardiovascular examination MMS

Instructions: Mr Ian Ravenscroft is 62 years old. Examine his cardiovascular system.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Establishes rapport with patient	0	1	–
3. Positions and exposes patient	0	1	2
4. Inspects general appearance	0	1	2
5. Inspects precordium	0	1	2
6. Inspects both hands	0	1	2
7. Determines rate, rhythm, and character of radial pulse	0	1	2
8. Offers to record blood pressure	0	1	–
9. Inspects head for signs of anaemia and central cyanosis	0	1	2
10. Assesses jugular venous pressure	0	1	2
11. Assesses character of carotid pulse	0	1	2
12. Determines location and character of apex beat	0	1	2
13. Listens at all four auscultation points	0	1	2
14. Examines chest	0	1	2
15. Offers to examine abdomen	0	1	–
16. Tests for ankle oedema	0	1	2
17. Offers to palpate peripheral pulses	0	1	–

Examiner to ask: *“Please summarise your findings and offer a differential diagnosis.”*

18. Accurately summarises key findings	0	1	2
19. Offers appropriate differential diagnosis	0	1	2

Examiner’s global score

0 1 2 3 4

Patient’s global score

0 1 2 3 4

Examiner’s comments

Total marks possible: 42

Peripheral vascular system examination MMS

Instructions: Ms Grace Goodman is 67 years old. Examine her peripheral vascular system, focusing your examination on the venous system only.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Establishes rapport with patient	0	1	2
3. Exposes patient's feet and legs	0	1	2
4. Inspects for skin changes	0	1	2
5. Inspects for venous ulcers	0	1	2
6. Inspects for non-pitting oedema	0	1	2
7. Inspects for varicose veins	0	1	2
8. Inspects for scars relating to varicose vein surgery	0	1	2
9. Palpates varicose veins	0	1	2
10. Performs Trendelenburg's test	0	1	2

Examiner to ask: "Please summarise your findings."

11. Accurately summarises key findings	0	1	2
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Examiner's global score

0 1 2 3 4

Patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 30

Ankle-brachial pressure index (ABPI) MMS

Instructions: Mr Christopher Truscott is 64 years old. Calculate his ABPI and briefly explain what the result means.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Establishes rapport with patient	0	1	–
3. States that patient may need up to five minutes' resting time	0	1	–
4. Positions patient	0	1	2
5. Places appropriately sized cuff around arm	0	1	2
6. Locates brachial pulse	0	1	2
7. Locates best possible signal using Doppler probe	0	1	2
8. Identifies pressure at which signal reappears	0	1	2
9. Indicates need to record pressure in other arm	0	1	–
10. Places appropriately sized cuff around ankle	0	1	2
11. Locates dorsalis pedis pulse	0	1	2
12. Locates best possible signal using Doppler probe	0	1	2
13. Identifies pressure at which signal reappears	0	1	2
14. Indicates need to record pressure in other leg	0	1	–
15. Calculates ABPI	0	1	2
16. Explains significance of ABPI to patient	0	1	2

Examiner's global score

0 1 2 3 4

Actor or patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 36

Breathlessness history MMS

Instructions: Take a history from 58-year-old Ms Ariana Wenzel who presents with breathlessness.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Ensures that patient is comfortable	0	1	2
3. Establishes name, age, and occupation	0	1	2
4. For breathlessness, asks about: onset and progression	0	1	2
5. provoking and relieving factors	0	1	2
6. associated symptoms	0	1	2
7. Assesses severity of breathlessness	0	1	2
8. Asks about previous episodes of breathlessness	0	1	2
9. Asks about cigarette smoking	0	1	2
10. Past medical history, key aspects	0	1	2
11. Drug history, key aspects	0	1	2
12. Family history, key aspects	0	1	2
13. Social history, key aspects	0	1	2

Examiner to ask: *"Please summarise your findings and offer a differential diagnosis."*

14. Summarises key findings	0	1	2
15. Offers an appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 38

Respiratory system examination MMS

Instructions: Mr Orijit Dhar is a 64-year-old gentleman. Examine his respiratory system.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Positions and exposes patient	0	1	2
3. Ensures patient's comfort	0	1	2
4. Inspects patient's general appearance	0	1	2
5. Looks into sputum pot	0	1	2
6. Inspects and examines hands	0	1	2
7. Determines rate, rhythm, and character of radial pulse	0	1	2
8. Tests for asterixis	0	1	2
9. Inspects head for signs of anaemia and central cyanosis	0	1	2
10. Assesses jugular venous pressure	0	1	2
11. Palpates cervical, supraclavicular, infraclavicular, and axillary lymph nodes	0	1	2
12. Palpates for tracheal deviation	0	1	2
13. Palpates for cardiac apex	0	1	2
14. Assesses chest expansion	0	1	2
15. Percusses chest	0	1	2
16. Auscultates chest	0	1	2
17. Tests for vocal resonance or tactile fremitus	0	1	2

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

18. Summarises key findings	0	1	2
19. Offers an appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 46

PEFR meter explanation MMS

Instructions: The young Ms Ashleigh Bannerman has recently been diagnosed with asthma. Explain to her how to use a PEFr meter.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Checks patient's understanding of asthma	0	1	2
3. Explains importance of PEFr meter	0	1	2
4. Explains when PEFr meter is to be used	0	1	2
5. Explains and demonstrates how to: attach a clean mouthpiece	0	1	-
6. slide the marker down to the bottom of the numbered scale	0	1	-
7. stand or sit up straight	0	1	-
8. hold the meter horizontal	0	1	-
9. take as deep a breath as possible	0	1	-
10. seal lips around mouthpiece	0	1	-
11. exhale as hard as possible into the meter	0	1	-
12. read and record the meter reading	0	1	-
13. Asks patient to carry out procedure	0	1	2
14. Explains need to repeat procedure at least three times	0	1	2
15. Checks score against peak flow chart or previous readings	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 30

Inhaler explanation MMS

Instructions: The young Ms Ashleigh Bannerman has recently been diagnosed with asthma. Explain to her how to use an inhaler.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Checks patient's understanding of asthma	0	1	2
3. Explains what inhaler device is	0	1	-
4. Explains when to use inhaler device	0	1	-
5. Explains and demonstrates how to: vigorously shake inhaler	0	1	-
6. remove cap from mouthpiece	0	1	-
7. hold inhaler	0	1	-
8. position inhaler	0	1	-
9. breathe out completely	0	1	-
10. breathe in deeply and simultaneously activate inhaler	0	1	-
11. hold breath for 10 seconds before breathing out	0	1	-
12. repeat procedure after one minute if required	0	1	-
13. Asks patient to carry out procedure	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 24

Drug administration via a nebuliser MMS

Instructions: 26-year-old Ms Rosemary Priest has been admitted for an acute asthma attack. Administer salbutamol via a nebuliser.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Explains prescribed drug's purpose and side-effects	0	1	2
3. Gathers appropriate equipment	0	1	2
4. Checks prescription	0	1	2
5. Checks date of expiry on vial	0	1	-
6. Indicates need to ask colleague to countercheck 4 and 5	0	1	2
7. Sets up compressor	0	1	2
8. Draws up correct amount of drug solution	0	1	2
9. Places solution into nebuliser cup	0	1	-
10. Connects mouthpiece (or face mask) and tubing	0	1	2
11. Operates compressor	0	1	-
12. Gives patient appropriate instructions on using nebuliser	0	1	2
13. Indicates need to clean and disinfect equipment	0	1	-
14. Indicates need to sign drug chart and make entry in medical records	0	1	2

Examiner's global score

0 1 2 3 4

Patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 32

Abdominal pain history MMS

Instructions: 54-year old Mr Adam Smith presents to A&E with acute onset abdominal pain. Take a history.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Asks about nature of abdominal pain. Determines: nature	0	1	-
3. site	0	1	-
4. onset	0	1	-
5. duration	0	1	-
6. radiation	0	1	-
7. aggravating and alleviating factors	0	1	2
8. associated symptoms and signs	0	1	-
9. Enquires specifically about: fever	0	1	-
10. loss of weight or anorexia	0	1	-
11. dysphagia	0	1	-
12. indigestion	0	1	-
13. nausea, vomiting, and haematemesis	0	1	2
14. diarrhoea or constipation	0	1	2
15. melaena or rectal bleeding	0	1	2
16. steatorrhoea	0	1	-
17. jaundice	0	1	-
18. genitourinary symptoms	0	1	-
19. Past medical history, key aspects	0	1	2
20. Drug history, key aspects	0	1	2
21. Family history, key aspects	0	1	2
22. Social history, key aspects	0	1	2

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

23. Summarises key findings	0	1	2
24. Offers an appropriate differential diagnosis	0	1	2

Examiner to ask: "What investigations would you carry out to help confirm your diagnosis?"

25. Orders appropriate investigations, including physical examination	0	1	2
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Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 45

Abdominal examination MMS

Instructions: Mr John Mackie is 38 years old. Examine his abdomen.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Exposes patient appropriately	0	1	-
3. Positions patient appropriately and ensures that he is comfortable	0	1	2
4. Inspects general appearance	0	1	2
5. Inspects abdomen	0	1	2
6. Inspects and examines hands	0	1	2
7. Tests for asterixis	0	1	2
8. Inspects sclera and conjunctivae	0	1	-
9. Inspects mouth	0	1	-
10. Palpates neck for lymphadenopathy	0	1	-
11. Inspects upper body	0	1	-
12. Abdomen: light palpation	0	1	2
13. Abdomen: deep palpation	0	1	2
14. Palpates for liver edge	0	1	2
15. Palpates for tenderness over gallbladder region	0	1	-
16. Palpates for enlarged spleen	0	1	2
17. Ballots each kidney in turn	0	1	2
18. Palpates descending aorta	0	1	-
19. Percusses liver area	0	1	-
20. Percusses suprapubic area	0	1	-
21. Auscultates for abdominal sounds	0	1	2
22. Auscultates for aortic and renal artery bruits	0	1	2
23. Suggests examining the groins and genitals	0	1	2
24. Suggests carrying out a digital rectal examination	0	1	-

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

25. Summarises key findings	0	1	2
26. Offers an appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 50

Rectal examination MMS

Instructions: Carry out a rectal examination on the plastic model and talk through the various steps involved.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Indicates need for chaperone	0	1	–
3. Indicates appropriate position for patient to take	0	1	2
4. Dons gloves	0	1	–
5. Inspects anus and surrounding skin	0	1	2
6. Lubricates index finger of right hand	0	1	–
7. Gently inserts finger into anal canal	0	1	2
8. Indicates need to test anal tone	0	1	–
9. Rotates finger through entire circumference	0	1	2
10. Palpates prostate gland	0	1	2
11. Gently withdraws finger and examines glove	0	1	2
12. Cleans off lubricant on the anus and anal margin	0	1	–
13. Disposes of gloves appropriately	0	1	–

Examiner to ask: *“Please summarise your findings and offer a differential diagnosis.”*

14. Summarises key findings	0	1	2
15. Offers an appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 28

Hernia examination

Instructions: Mr Alexander Honderich is 45 years old. Examine his groins.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Indicates need for chaperone	0	1	2
3. Positions and exposes patient appropriately	0	1	2
4. Looks to patient's comfort and dignity	0	1	2
5. Inspects groins for an obvious lump and for old surgical scars	0	1	2
6. Asks patient whether lump is painful/tender to touch	0	1	2
7. For the lump, determines: location	0	1	–
8. size	0	1	–
9. shape	0	1	–
10. colour	0	1	–
11. consistency	0	1	–
12. mobility	0	1	–
13. Attempts to transilluminate lump	0	1	–
14. Asks patient to stand up and looks again	0	1	–
15. Asks patient to cough and looks again	0	1	–
16. Tests lump for a cough impulse	0	1	–
17. Asks patient to reduce the lump (if it is an inguinal hernia), occludes internal ring, and asks patient to cough	0	1	2
18. Asks patient to reduce the lump (if it is an inguinal hernia), occludes external ring, and asks patient to cough	0	1	2
19. Indicates need to examine femoral pulses, inguinal lymph nodes, and scrotum	0	1	2

Examiner to ask: *"Please summarise your findings and offer a differential diagnosis."*

20. Summarises key findings	0	1	2
21. Offers an appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 40

Nasogastric intubation

Instructions: Intubate the mannequin and talk through the various steps involved.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Indicates need to position patient appropriately	0	1	-
3. Indicates need to examine nostrils	0	1	-
4. Gathers appropriate equipment	0	1	2
5. Dons gloves	0	1	-
6. Measures length of NG tube to be inserted	0	1	2
7. Lubricates tip of NG tube	0	1	-
8. Indicates need to spray back of throat with local anaesthetic	0	1	-
9. Gently inserts NG tube to required length	0	1	2
10. Indicates need for water to be swallowed as tube is advanced through the pharynx and oesophagus	0	1	-
11. Checks that NG tube is in stomach by air injection method	0	1	2
12. Indicates that he could also aspirate stomach contents and test their pH	0	1	-
13. Indicates need for a chest X-ray to be taken	0	1	-
14. Secures NG tube	0	1	2
15. Attaches spigot or catheter bag to NG tube	0	1	2

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 26

Urological history MMS

Instructions: 67-year-old Mr William Tooley is presenting with a urological complaint. Take a history.

Time allowed: 6 minutes.

1. Introduction and orientation (checks identity, explains task, asks for consent)	0	1	2
2. Asks about main presenting complaint using open questions	0	1	2
3. Elicits patient's ideas and concerns	0	1	2
4. Determines the time course of events	0	1	2
5. Determines the severity of the problem	0	1	2
6. Asks specifically about: pain	0	1	-
7. fever	0	1	-
8. frequency	0	1	-
9. urgency	0	1	-
10. dysuria	0	1	-
11. haematuria	0	1	-
12. nocturia	0	1	-
13. hesitancy and terminal dribbling	0	1	-
14. poor stream	0	1	-
15. incontinence	0	1	-
16. weight loss or anorexia	0	1	-
17. urethral discharge	0	1	-
18. testicular masses or testicular pain	0	1	-
19. sexual dysfunction	0	1	-
20. sexual contacts	0	1	-
21. Past medical history, key aspects	0	1	2
22. Drug history, key aspects	0	1	2
23. Family history, key aspects	0	1	2
24. Social history, key aspects	0	1	2

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

25. Summarises key findings	0	1	2
26. Offers an appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Male genitalia examination MMS

Instructions: Examine the male genitalia on the anatomical model and talk through the various steps involved.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Indicates need for chaperone	0	1	–
3. Indicates need to position and expose patient appropriately	0	1	2
4. Indicates need to ensure patient's comfort and dignity	0	1	–
5. Indicates need to inspect general appearance	0	1	2
6. Indicates need to warm hands	0	1	–
7. Indicates need to ask patient about pain or tenderness	0	1	–
8. Examines penis	0	1	2
9. Examines glans penis and external urethral meatus	0	1	2
10. Attempts to express a discharge	0	1	2
11. Inspects scrotum	0	1	2
12. Palpates testes	0	1	2
13. Palpates epididymis and vas deferens	0	1	2
14. Attempts to get above mass	0	1	2
15. Attempts to transilluminate mass	0	1	2
16. Indicates need to examine patient in standing position and test for cough impulse	0	1	2
17. Indicates need to examine inguinal lymph nodes	0	1	2

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

18. Summarises key findings	0	1	2
19. Offers an appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 38

Male catheterisation

Instructions: Catheterise the male anatomical model and talk through the various steps involved.

Time allowed: 6 minutes.

1. Introduction and orientation (checks identity, explains task, asks for consent)	0	1	2
2. Indicates need for chaperone	0	1	-
3. Indicates need to position and expose patient as appropriate	0	1	2
4. Gathers appropriate equipment	0	1	2
5. Checks catheter expiry date	0	1	-
6. Opens catheter pack aseptically	0	1	2
7. Dons gloves	0	1	-
8. Drapes area surrounding penis	0	1	-
9. Places collecting vessel in entre-jambes	0	1	-
10. Cleans area around urethral meatus	0	1	2
11. Inserts anaesthetic gel and indicates that it needs several minutes to work	0	1	2
12. Gently inserts catheter into urethra	0	1	2
13. Inflates balloon with saline-filled syringe	0	1	2
14. Gently retracts catheter until resistance is felt	0	1	2
15. Attaches catheter bag	0	1	-
16. Indicates need to reposition foreskin	0	1	-
17. Indicates need to record volume of urine in catheter bag	0	1	-
18. Indicates need to make entry in case notes	0	1	-

Examiner to ask: "What are the possible complications of catheterisation?"

19. Paraphimosis	0	1	-
20. Urethral perforation	0	1	-
21. Bleeding	0	1	-
22. Infection	0	1	-
23. Urethral strictures	0	1	-

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 36

Female catheterisation

Instructions: Catheterise the female anatomical model and talk through the various steps involved.

Time allowed: 6 minutes.

1. Introduction and orientation (checks identity, explains task, asks for consent)	0	1	2
2. Indicates need for chaperone	0	1	-
3. Indicates need to position and expose patient as appropriate	0	1	2
4. Gathers appropriate equipment	0	1	2
5. Checks catheter expiry date	0	1	-
6. Opens catheter pack aseptically	0	1	2
7. Dons two pairs of gloves	0	1	2
8. Drapes patient	0	1	-
9. Places collecting vessel in entre-jambes	0	1	-
10. Cleans area around urethral meatus	0	1	2
11. Inserts anaesthetic gel and indicates that it needs several minutes to work	0	1	2
12. Discards outer pair of gloves	0	1	-
13. Gently inserts catheter into urethra	0	1	2
14. Inflates balloon with saline-filled syringe	0	1	2
15. Gently retracts catheter until resistance is felt	0	1	2
16. Attaches catheter bag	0	1	-
17. Indicates need to record volume of urine in catheter bag	0	1	-
18. Indicates need to make entry in case notes	0	1	-

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 32

History of headaches MMS

Instructions: 45-year-old Ms Eve Johnson has been complaining of headaches. Take a history.

Time allowed: 6 minutes.

1. Introduction and orientation (checks identity, explains task, asks for consent)	0	1	2
2. Begins with open questions	0	1	2
3. Elicits patient's ideas and concerns	0	1	2
4. Asks specifically about: site	0	1	-
5. character	0	1	-
6. radiation	0	1	-
7. onset	0	1	-
8. timing	0	1	-
9. exacerbating factors	0	1	-
10. relieving factors	0	1	-
11. severity (effect on patient's life)	0	1	-
12. Asks about associated factors, specifically: nausea and vomiting	0	1	-
13. visual disturbances	0	1	-
14. photophobia	0	1	-
15. fever	0	1	-
16. weight loss	0	1	-
17. rash	0	1	-
18. tender temporal arteries	0	1	-
19. neck pain or stiffness	0	1	-
20. myalgia	0	1	-
21. altered level of consciousness	0	1	-
22. neurological deficit	0	1	-
23. Past medical history, key aspects	0	1	2
24. Drug history, key aspects	0	1	2
25. Family history, key aspects	0	1	2
26. Social history, key aspects	0	1	2

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

27. Summarises key findings	0	1	2
28. Offers an appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

History of 'funny turns' MMS

Instructions: 45-year-old Mr Adam Freedman has been complaining of funny turns. Take a history.

Time allowed: 6 minutes.

1. Introduction and orientation (checks identity, explains task, asks for consent)	0	1	2
2. Begins with open questions	0	1	2
3. Elicits patient's ideas and concerns	0	1	2
4. Asks whether patient remembers falling	0	1	-
5. Asks about circumstances of the fall, whether patient: had just arisen	0	1	-
6. suffered an intense emotion	0	1	-
7. had been coughing or straining	0	1	-
8. had been extending his neck	0	1	-
9. had had palpitations	0	1	-
10. Asks about loss of consciousness and its duration	0	1	2
11. Asks about prodromal symptoms	0	1	2
12. Asks about fitting	0	1	2
13. Asks about headache or confusion upon recovery	0	1	2
14. Asks about injuries sustained	0	1	2
15. Asks about previous episodes	0	1	2
16. Past medical history, key aspects	0	1	2
17. Drug history, key aspects	0	1	2
18. Family history, key aspects	0	1	2
19. Social history, key aspects	0	1	2

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

20. Summarises key findings	0	1	2
21. Offers an appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 44

Cranial nerve examination MMS

Instructions: Mr Adam Kane is 32 years old. Examine cranial nerves I-VI.

Time allowed: 6 minutes.

1. Introduction and orientation (checks identity, explains task, asks for consent)	0	1	2
2. Asks patient whether he has noticed any change in his sense of smell	0	1	2
3. Tests visual acuity on Snellen chart	0	1	2
4. Tests near vision	0	1	2
5. Tests visual fields by confrontation	0	1	2
6. Offers to examine the eyes by direct fundoscopy	0	1	–
7. Inspects pupils	0	1	–
8. Tests direct and consensual pupillary reflexes	0	1	2
9. Performs cover test	0	1	2
10. Examines eye movements	0	1	2
11. Tests accommodation reflex	0	1	–
12. Tests light touch in all three branches of trigeminal nerve	0	1	2
13. Indicates that he or she could test corneal reflex	0	1	–
14. Tests muscles of mastication	0	1	2
15. Tests jaw jerk	0	1	2

Examiner to ask: *“Please summarise your findings and offer a differential diagnosis.”*

16. Summarises key findings	0	1	2
17. Offers an appropriate differential diagnosis	0	1	2

Examiner’s global score

0 1 2 3 4

Patient’s global score

0 1 2 3 4

Examiner’s comments

Total marks possible: 38

Motor system of the upper limbs examination MMS

Instructions: Ms Falula Billington is 40 years old. Examine the motor system of the upper limbs.

Time allowed: 6 minutes.

1. Introduction and orientation (checks identity, explains task, asks for consent)	0	1	2
2. Ensures that patient is not in any pain/there is no tenderness	0	1	2
3. Inspects for abnormal posturing	0	1	-
4. Inspects for size, shape, and symmetry of muscles	0	1	-
5. Inspects for abnormal movements	0	1	-
6. Tests tone on both sides	0	1	2
7. Tests power on both sides for: shoulder abduction	0	1	-
8. elbow flexion and extension	0	1	-
9. wrist flexion and extension	0	1	-
10. finger flexion, extension, abduction, and adduction	0	1	-
11. thumb abduction and opposition	0	1	-
12. Elicits biceps reflex on both sides	0	1	-
13. Elicits supinator reflex on both sides	0	1	-
14. Elicits triceps reflex on both sides	0	1	-
15. Uses reinforcement when appropriate	0	1	-
16. Carries out finger-to-nose test on both sides	0	1	2
17. Tests for dysdiadochokinesis on both sides	0	1	2

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

18. Summarises key findings	0	1	2
19. Offers an appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 34

Sensory system of the upper limbs examination MMS

Instructions: Ms Yasmin Pojman is 42 years old. Examine the sensory system of the upper limbs.

Time allowed: 6 minutes.

1. Introduction and orientation (checks identity, explains task, asks for consent)	0	1	2
2. Ensures that patient is not in any pain/there is no tenderness	0	1	2
3. Inspects arms	0	1	2
4. Tests for light touch, comparing both sides as she goes along	0	1	2
5. Tests for pain, comparing both sides as she goes along	0	1	2
6. Has good knowledge of distribution of dermatomes	0	1	2
7. Selects appropriate tuning fork	0	1	-
8. Tests for vibration, comparing both sides as she goes along	0	1	2
9. Tests for proprioception in both hands	0	1	2
10. Indicates need to carry out full neurological examination	0	1	-

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

11. Summarises key findings	0	1	2
12. Offers an appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 30

Motor system of the lower limbs examination MMS

Instructions: Mr Neil Sheppard is 24 years old. Examine the motor system of the lower limbs.

Time allowed: 6 minutes.

1. Introduction and orientation (checks identity, explains task, asks for consent)	0	1	2
2. Positions and exposes patient appropriately	0	1	2
3. Ensures that patient is not in any pain/there is no tenderness	0	1	2
4. Inspects for abnormal posturing and deformities	0	1	2
5. Inspects for size, shape, and symmetry of muscles	0	1	2
6. Inspects for fasciculation	0	1	–
7. Tests tone on both sides	0	1	2
8. Tests power on both sides for: hip flexion and extension	0	1	2
9. hip abduction and adduction	0	1	2
10. knee flexion and extension	0	1	2
11. plantar flexion and dorsiflexion of foot and big toe	0	1	2
12. inversion and eversion of forefoot	0	1	2
13. Elicits knee jerk on both sides	0	1	2
14. Elicits ankle jerk on both sides	0	1	2
15. Uses reinforcement appropriately	0	1	–
16. Tests for clonus	0	1	2
17. Tests for Babinsky sign	0	1	2
18. Observes gait	0	1	2

Examiner to ask: *“Please summarise your findings and offer a differential diagnosis.”*

19. Summarises key findings	0	1	2
20. Offers an appropriate differential diagnosis	0	1	2

Examiner’s global score

0 1 2 3 4

Patient’s global score

0 1 2 3 4

Examiner’s comments

Total marks possible: 46

Sensory system of the lower limbs examination MMS

Instructions: Mr Keith Ward is 56 years old. Examine the sensory system of the lower limbs.

Time allowed: 6 minutes.

1. Introduction and orientation (checks identity, explains task, asks for consent)	0	1	2
2. Positions and exposes patient appropriately	0	1	2
3. Ensures that patient is not in any pain/there is no tenderness	0	1	2
4. Inspects legs	0	1	2
5. Tests for light touch, comparing both sides as he goes along	0	1	2
6. Tests for pain, comparing both sides as he goes along	0	1	2
7. Has good knowledge of distribution of dermatomes	0	1	2
8. Selects appropriate tuning fork	0	1	–
9. Tests for vibration, comparing both sides as he goes along	0	1	2
10. Tests for proprioception in both feet	0	1	2
11. Performs Romberg's test	0	1	2
12. Asks to carry out full neurological examination	0	1	–

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

13. Summarises key findings	0	1	2
14. Offers an appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 34

Gait, co-ordination, and cerebellar function examination MMS

Instructions: Ms Angelina Leopardi is 56 years old. Examine cerebellar function.

Time allowed: 6 minutes.

1. Introduction and orientation (checks identity, explains task, asks for consent)	0	1	2
2. Inspects posture with patient in standing position	0	1	2
3. Observes gait and arm swing	0	1	2
4. Performs heel-to-toe test	0	1	2
5. Performs Romberg's test	0	1	2
6. Tests for resting tremor	0	1	2
7. Tests for intention tremor	0	1	2
8. Tests tone in elbows and wrists, comparing both sides	0	1	2
9. Tests for dysdiadochokinesis on both sides	0	1	2
10. Performs finger-to-nose test on both sides	0	1	2
11. Tests fine finger movements on both sides	0	1	2
12. Performs heel-to-shin test on both sides	0	1	2
13. Tests eye movements for nystagmus	0	1	2
14. Asks patient to repeat 'baby hippopotamus'	0	1	2

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

15. Summarises key findings	0	1	2
16. Offers an appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 40

Speech assessment MMS

Instructions: Mr Thomas Collinson is 64 years old. Assess his speech.

Time allowed: 6 minutes.

1. Introduction and orientation (checks identity, explains task, asks for consent)	0	1	2
2. Asks patient to describe current speech problems	0	1	2
3. Briefly assesses patient's mood	0	1	2
4. Tests orientation in time	0	1	2
5. Tests orientation in place	0	1	2
6. Tests for expressive dysphasia	0	1	2
7. Tests for receptive aphasia	0	1	2
8. Tests for dysarthria	0	1	2
9. Tests for dyslexia	0	1	2
10. Tests for dysgraphia	0	1	2

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

11. Summarises key findings	0	1	2
12. Offers an appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Actor or patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 32

General psychiatric history MMS

Instructions: Ms Rhiannon Ash is 45 years old. Take a psychiatric history, focusing on the presenting complaint and history of presenting complaint.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Puts patient at ease	0	1	2
3. Begins with open questions	0	1	2
4. Asks about onset of symptoms	0	1	2
5. Asks about course/progression of symptoms	0	1	2
6. Asks about effect of symptoms on patient's life	0	1	2
7. Asks about aggravating and alleviating factors	0	1	2
8. Enquires about core symptoms of depression	0	1	2
9. Enquires about common symptoms of depression	0	1	2
10. Enquires about biological symptoms of depression	0	1	2
11. Screens for elevated mood	0	1	2
12. Screens for anxiety	0	1	2
13. Screens for common delusions (e.g. paranoid, guilt-related)	0	1	2
14. Screens for hallucinations	0	1	2
15. Assesses risk of self-harm	0	1	2

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

16. Summarises key findings	0	1	2
17. Offers an appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 42

Mental state examination MMS

Instructions: Ms Olivia Grayling is 22 years old. Carry out a mental state examination.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Puts patient at ease	0	1	2
3. Begins with open questions	0	1	2
4. Asks about current mood state	0	1	2
5. Assesses for appetite disturbance	0	1	2
6. Assesses for sleep disturbance	0	1	2
7. Asks about delusions of persecution	0	1	2
8. Asks about delusions of control	0	1	2
9. Asks about delusions of reference	0	1	2
10. Asks about delusions of grandeur	0	1	2
11. Asks about auditory and visual hallucinations	0	1	2
12. Excludes pseudohallucinations	0	1	2
13. Excludes hypnopompic and hypnogogic hallucinations	0	1	2
14. Asks specifically about command hallucinations	0	1	2
15. Briefly assesses cognition (orientation, attention and concentration, short-term memory)	0	1	2
16. Briefly assesses degree of insight	0	1	2
17. Asks about ideas of self-harm	0	1	2
18. Asks about ideas of harming others	0	1	2

Examiner to ask: *"Please summarise your findings and offer a differential diagnosis."*

19. Summarises key findings	0	1	2
20. Offers an appropriate differential diagnosis (psychotic episode)	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 48

Depression history MMS

Instructions: 35-year-old Ms Anna Martin presents with low mood. Take a history focusing on the presenting complaint and history of presenting complaint.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Begins with open questions	0	1	2
3. Encourages patient to open up	0	1	2
4. Asks about current mood state	0	1	2
5. Asks about onset and precipitating factors	0	1	2
6. Establishes course	0	1	2
7. Asks specifically about following symptoms: loss of interest	0	1	-
8. fatiguability	0	1	-
9. poor concentration	0	1	-
10. poor self-esteem	0	1	-
11. guilt	0	1	-
12. pessimism	0	1	-
13. sleep disturbance	0	1	-
14. early morning waking	0	1	-
15. morning depression	0	1	-
16. loss of appetite/weight loss	0	1	-
17. Screens for mania	0	1	-
18. Screens for anxiety	0	1	-
19. Screens for delusions	0	1	2
20. Screens for hallucinations	0	1	2
21. Asks about alcohol and drug misuse	0	1	2
22. Assesses risk of self-harm	0	1	2

Examiner to ask: "Please suggest a diagnosis."

23. Suggests a diagnosis of moderate depressive disorder	0	1	2
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Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 42

Suicide risk assessment MMS

Instructions: Mr Benjamin Garrett is 29 years old. Assess his suicidal risk.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Puts patient at ease	0	1	2
3. For current episode of self-harm, asks: what was the precipitant?	0	1	-
4. had he made any plans?	0	1	-
5. what method did he use?	0	1	-
6. did he leave a will or suicide note?	0	1	-
7. was he alone?	0	1	-
8. was he intoxicated?	0	1	-
9. did he take any precautions against discovery?	0	1	-
10. did he seek help after the attempt?	0	1	-
11. how did he feel when help arrived?	0	1	-
12. Asks about previous episodes of self-harm	0	1	2
13. Past psychiatric history, key aspects	0	1	2
14. Past medical history, key aspects	0	1	2
15. Drug history, key aspects	0	1	2
16. Family history, key aspects	0	1	2
17. Social history, key aspects	0	1	2
18. Assesses current mood	0	1	2
19. Excludes psychosis	0	1	-
20. Asks about current suicidal ideation	0	1	2

Examiner to ask: "How would you manage this patient?"

21. Suggests full psychiatric assessment	0	1	-
22. Suggests crisis team involvement	0	1	-
23. Suggests out-patient follow-up	0	1	-
24. Suggests discussing this plan with senior colleagues/psychiatric team	0	1	-

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 42

Alcohol history MMS

Instructions: You suspect that 38-year-old Mr Oliver Askew may be suffering from alcohol dependency. Take a history.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Establishes rapport	0	1	2
3. Establishes alcohol intake: amount	0	1	2
4. type	0	1	2
5. place	0	1	2
6. time	0	1	2
7. Asks about features of alcohol dependence: compulsion	0	1	-
8. primacy	0	1	-
9. stereotyped pattern	0	1	-
10. increased tolerance	0	1	-
11. withdrawal symptoms	0	1	-
12. relief drinking	0	1	-
13. reinstatement after abstinence	0	1	-
14. Asks about depression	0	1	-
15. Asks about common complications of alcohol misuse	0	1	2
16. Asks about prescribed medication	0	1	-
17. Asks about illicit drug use	0	1	-
18. Asks about family history of alcohol misuse	0	1	-
19. Social history, key aspects	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 35

Eating disorders history MMS

Instructions: The mother of 16-year-old Catherine Conner suspects that she may be suffering from an eating disorder. Take a history.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Puts patient at ease	0	1	2
3. Asks about current weight and height	0	1	2
4. Determines amount and time course of weight loss	0	1	2
5. Asks whether weight loss has been intentional	0	1	–
6. Asks whether patient still considers herself to be overweight	0	1	–
7. Asks how often patient weighs herself/looks at herself in mirror	0	1	–
8. Establishes amount and type of food eaten on a typical day	0	1	2
9. Asks about binge eating	0	1	–
10. Asks about vomiting	0	1	–
11. Asks about laxatives, purgatives, and diuretics	0	1	–
12. Asks about appetite suppressants and stimulant drugs	0	1	–
13. Asks about physical exercise	0	1	–
14. Asks about menstrual periods	0	1	–
15. Asks about common medical complications of eating disorders	0	1	2
16. Asks about common psychiatric complications of eating disorders	0	1	2
17. Asks about effect of eating disorder on patient's life	0	1	2
18. Assesses patient's degree of insight into eating disorder	0	1	2

Examiner to ask: "Thank you for taking a history from this young lady. What would you do next?"

19. Suggests taking an informant history from patient's mother	0	1	–
20. Suggests physical examination	0	1	–
21. Suggests laboratory investigations	0	1	–
22. Suggests giving dietary advice	0	1	–
23. Suggests referral to eating disorders team for further management	0	1	–

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 40

Vision and the eye examination (including fundoscopy) MMS

Instructions: Mr Lawrence Dobson is 34 years old. Examine his vision.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Using Snellen chart, tests visual acuity in each eye	0	1	2
3. Using fine print, tests visual acuity in each eye	0	1	2
4. Remembers to correct for refractive errors for 2 and 3	0	1	–
5. Inspects pupils	0	1	–
6. Tests direct and consensual pupillary reflexes	0	1	2
7. Tests accommodation reflex	0	1	–
8. Inspects for a squint	0	1	–
9. Performs cover test or indicates need to do so	0	1	–
10. Examines eye movements	0	1	2
11. Tests for nystagmus	0	1	–
12. Darkens room	0	1	–
13. Asks patient to fixate on a distant object	0	1	–
14. Indicates that patient should ideally have had his pupils dilated	0	1	–
15. Using fundoscope, tests for red reflex	0	1	–
16. Using fundoscope, examines retinae	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 30

Hearing and the ear examination MMS

Instructions: Ms Lakshmi Richards is 64 years old. Examine her hearing.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Establishes rapport	0	1	2
3. Asks about and assesses any loss of hearing	0	1	2
4. Tests hearing on both sides	0	1	2
5. Carries out Rinne test	0	1	2
6. Carries out Weber test	0	1	2
7. Inspects pinnae on both sides	0	1	–
8. Inspects behind ears on both sides	0	1	–
9. Palpates auricular lymph nodes on both sides	0	1	2
10. Using auroscope, inspects ear canal and tympanic membrane on both sides	0	1	2

Examiner to ask: *“Please summarise your findings and offer a differential diagnosis.”*

11. Accurately describes loss of hearing	0	1	2
12. Correctly interprets Rinne test	0	1	–
13. Correctly interprets Weber test	0	1	–
14. Offers appropriate differential diagnosis	0	1	2

Examiner’s global score

0 1 2 3 4

Patient’s global score

0 1 2 3 4

Examiner’s comments

Total marks possible: 32

Smell and the nose examination MMS

Instructions: Mr Frank Field is 54 years old. Examine his nose and nasal passages. Do not take a history.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Inspects nose from front, side, and above	0	1	2
3. Examines nasal vestibule with Thudicum speculum and torch	0	1	2
4. Examines nasal septum and inferior and middle turbinates with Thudicum speculum and otoscope	0	1	2
5. Assesses expiratory nasal airflow	0	1	2
6. Assesses inspiratory airflow	0	1	2
7. Assesses olfaction using bottles of fragrance	0	1	2

Examiner to ask: *"Please summarise your findings and offer a differential diagnosis."*

8. Identifies obstructing mass in right nostril	0	-	2
9. Suggests that mass is most likely a nasal polyp	0	-	2

Examiner's global score

0 1 2 3 4

Patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 26

Lump in the neck and thyroid examination MMS

Instructions: Ms Sally Appleyard is 33 years old. Examine her neck.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Asks patient to expose neck and upper body	0	1	–
3. Asks patient to sit in a chair	0	1	–
4. Carries out general inspection	0	1	2
5. Specifically inspects the neck	0	1	2
6. Asks patient to take a sip of water and observes swelling	0	1	2
7. Asks patient to protrude her tongue and observes swelling	0	1	2
8. Inspects from behind for exophthalmos	0	1	–
9. Asks about any pain or tenderness in the neck area	0	1	–
10. Palpates in anterior and posterior triangles	0	1	2
11. Palpates cervical lymph nodes	0	1	2
12. Palpates for tracheal deviation	0	1	–
13. Percusses over sternum and upper chest	0	1	2
14. Auscultates over thyroid gland	0	1	2

Examiner to ask: *“Please summarise your findings and offer a differential diagnosis.”*

15. Summarises key findings	0	1	2
16. Offers appropriate differential diagnosis	0	1	2

Examiner’s global score

0 1 2 3 4

Patient’s global score

0 1 2 3 4

Examiner’s comments

Total marks possible: 35

Dermatological history MMS

Instructions: 25-year-old Jesus Marin presents with a skin problem. Take a history.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Begins with open questions	0	1	2
3. Asks about when and how initial lesions started	0	1	2
4. Asks about how initial lesions evolved	0	1	2
5. Asks about associated symptoms	0	1	2
6. Asks about aggravating factors	0	1	2
7. Asks about effect on everyday life	0	1	–
8. Asks about treatments so far	0	1	–
9. Asks about any previous episodes	0	1	–
10. Past medical history, key aspects	0	1	2
11. Drug history, key aspects	0	1	2
12. Family history, key aspects	0	1	2
13. Social history, key aspects	0	1	2

Examiner to ask: *“Please summarise your findings and offer a differential diagnosis.”*

14. Summarises key findings	0	1	2
15. Offers appropriate differential diagnosis	0	1	2

Examiner’s global score

0 1 2 3 4

Actor’s global score

0 1 2 3 4

Examiner’s comments

Total marks possible: 35

Dermatological examination MMS

Instructions: Ms Rohini Sukerjit is 24 years old. Examine her skin.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Asks patient about any pain or discomfort	0	1	2
3. Ensures that there is adequate lighting	0	1	2
4. Inspects all parts of the body	0	1	2

Examiner to ask: "Please describe the distribution of the lesions."

5. Adequately describes distribution of lesions	0	1	2
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Examiner to ask: "Please describe the morphology of the individual lesions."

6. Mentions: colour	0	1	-
7. size	0	1	-
8. shape	0	1	-
9. borders	0	1	-
10. elevation	0	1	-
11. secondary skin lesions	0	1	-

Examiner to ask: "Please carry on with the examination."

12. Palpates the lesions and tests for blanching	0	1	2
13. Examines finger nails and toe nails	0	1	2
14. Examines hair and scalp	0	1	-
15. Examines mucous membranes	0	1	-
16. Checks for lymphadenopathy	0	1	2

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

17. Summarises key findings	0	1	2
18. Offers appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 36

Advice on sun protection MMS

Instructions: Give Mr Ben Johnson advice on sun protection.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Explains that there are three types of UV radiation	0	1	2
3. Explains dangers of UV radiation	0	1	2
4. Lists factors that affect UV levels: time of day	0	1	2
5. time of year	0	1	2
6. cloud cover	0	1	2
7. latitude	0	1	–
8. altitude	0	1	–
9. Advises to avoid being outdoors from around 11am to 3pm	0	1	2
10. Advises to seek shade	0	1	2
11. Advises to cover up with hat and sunglasses	0	1	2
12. Advises to use sunscreen	0	1	2
13. Explains sunscreen star rating	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 32

Paediatric history MMS

Instructions: The mother of 10-year-old Thomas Moore has some concerns about his health. Take a history from the mother.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Begins with open questions	0	1	2
3. Establishes presenting complaint	0	1	2
4. Asks about associated symptoms	0	1	2
5. Assesses effect of symptoms on child's daily routine	0	1	2
6. Carries out brief systems review	0	1	2
7. Past medical history, key aspects	0	1	2
8. Family history, key aspects	0	1	2
9. Social history, key aspects	0	1	2
10. Addresses parent's concerns	0	1	2

Examiner's global score

0 1 2 3 4

Actor's/patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 28

Neonatal examination MMS

Instructions: Carry out a neonatal examination on the mannequin. The baby's 'mother', a Mrs Jackson, is also in the room.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Takes a brief history from the mother	0	1	2
3. Indicates need to wash hands	0	1	–
4. Carries out general inspection	0	1	2
5. Palpates anterior and posterior fontanelles	0	1	–
6. Measures head circumference	0	1	–
7. Inspects face for dysmorphological features	0	1	–
8. Checks patency of ears and nostrils	0	1	–
9. Tests red reflex and pupillary reflexes	0	1	–
10. Indicates need to test eye movements	0	1	–
11. Inspects for cleft palate	0	1	–
12. Tests for radiofemoral delay	0	1	–
13. Auscultates heart	0	1	–
14. Auscultates lungs	0	1	–
15. Inspects sacral pit	0	1	–
16. Checks position and patency of anus	0	1	–
17. Inspects abdomen and umbilical cord	0	1	–
18. Palpates abdomen for spleen, liver, and kidneys	0	1	–
19. Feels for femoral pulses	0	1	–
20. Feels for undescended testes	0	1	–
21. Carries out Ortolani test	0	1	–
22. Carries out Barlow test	0	1	2
23. Inspects arms and hands	0	1	–
24. Tests range of movement in feet	0	1	–
25. Indicates need to test posture and reflexes, e.g. head lag, grasp reflex	0	1	2
26. Addresses mother's concerns	0	1	2

Examiner's global score

0 1 2 3 4

Mother's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 40

Infant and child Basic Life Support MMS

Instructions: Carry out Basic Life Support on this collapsed infant.

Time allowed: 6 minutes.

1. Ensures safety	0	1	–
2. Checks responsiveness	0	1	2
3. Shouts for help	0	1	–
4. Opens airway	0	1	2
5. Checks for breathing	0	1	2
6. Delivers five rescue breaths using correct technique	0	1	2
7. Checks for signs of circulation (signs of life)	0	1	2
8. Checks for brachial pulse	0	1	2
9. Delivers chest compression using correct technique	0	1	2
10. Aims for a rate of 100–120 compressions/minute	0	1	–
11. Continues breaths and compressions at a ratio of 2:15	0	1	2
12. Indicates need to go for assistance after one minute (assuming that help has not arrived)	0	1	–

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 24

Geriatric history MMS

Instructions: Take a history from 84-year-old Mr Francis Sweeney.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Asks permission to take collateral history	0	1	-
3. Establishes presenting complaint	0	1	2
4. Asks about associated symptoms	0	1	2
5. Elicits ideas, concerns, and expectations	0	1	-
6. Enquires about effect that symptoms are having on everyday life	0	1	-
7. Carries out brief functional assessment	0	1	2
8. Explores living arrangements	0	1	2
9. Asks about carers and support services	0	1	2
10. Assesses degree of social interaction with relatives and friends	0	1	2
11. Asks about appetite and daily diet	0	1	2
12. Asks about mood	0	1	-
13. Asks about concentration and memory	0	1	-
14. Asks about falls	0	1	-
15. Asks about vision	0	1	-
16. Asks about urinary incontinence	0	1	-
17. Past medical history, key aspects	0	1	2
18. Drug history, key aspects	0	1	2
19. Family history, key aspects	0	1	2
20. Addresses patient's concerns	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 40

Obstetric history MMS

Instructions: Take a history from 28-year-old Ms Annabelle Cavendish, who is in the third trimester of her first pregnancy. Limit yourself to the presenting complaint and to the history of the pregnancy.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Establishes presenting complaint	0	1	2
3. Elicits ideas, concerns, and expectations	0	1	2
4. Determines duration of gestation and calculates EDD	0	1	2
5. Asks about foetal movements and any changes in their frequency	0	1	2
6. Asks when and how pregnancy was confirmed	0	1	2
7. Asks whether pregnancy is planned or desired	0	1	–
8. Asks about symptoms of pregnancy such as sickness, indigestion, dizziness	0	1	–
9. Asks about bleeding during pregnancy	0	1	–
10. Asks about ultrasound scan	0	1	–
11. Asks about chorionic villus sampling	0	1	–
12. Asks about amniocentesis	0	1	–
13. Asks about anomaly scan	0	1	–
14. Asks about quickening	0	1	–
15. Asks about type of antenatal care	0	1	–
16. Asks about blood pressure	0	1	–
17. Asks about vaginal bleeding	0	1	–
18. Asks whether patient has had any hospital admissions	0	1	–
19. Addresses patient's concerns	0	1	2

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

20. Summarises key findings	0	1	2
21. Offers appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 38

Obstetric examination MMS

Instructions: Examine this lady who is 35 weeks pregnant. Carry out your examination on the anatomical model and talk through the various steps involved.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Indicates need to weigh patient	0	1	-
3. Indicates need to take patient's blood pressure	0	1	-
4. Indicates need to dipstick patient's urine	0	1	-
5. Indicates need to ask patient to empty her bladder	0	1	-
6. Indicates need to ask patient to lie supine	0	1	-
7. Indicates need to carry out a general inspection	0	1	-
8. Inspects abdomen for: distension	0	1	-
9. symmetry	0	1	-
10. linea nigra	0	1	-
11. striae gravidarum	0	1	-
12. scars	0	1	-
13. Palpates the abdomen to determine: size of the uterus	0	1	2
14. liquor volume	0	1	-
15. number of foetuses	0	1	-
16. size of foetus	0	1	-
17. lie	0	1	2
18. presenting part	0	1	2
19. engagement	0	1	2
20. Measures SFH	0	1	2
21. Listens to the foetal heart	0	1	2

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 32

Gynaecological history MMS

Instructions: Take a history from 22-year-old Ms Chloe Roberts, who is presenting with a gynaecological problem. Circumscribe your history-taking to the presenting complaint and past medical history.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Begins with open questions	0	1	2
3. Establishes presenting complaint	0	1	2
4. Establishes history of presenting complaint	0	1	2
5. Asks about age at menarche	0	1	–
6. Asks about regularity of menses	0	1	–
7. Asks about dysmenorrhoea	0	1	–
8. Asks for date of LMP	0	1	–
9. Asks about vaginal discharge	0	1	–
10. Asks for date and result of last cervical smear test	0	1	–
11. Asks about vaginal prolapse	0	1	–
12. Asks about urinary incontinence	0	1	–
13. Asks about dyspareunia	0	1	–
14. Asks about type of contraception used	0	1	–
15. Past gynaecological history, key aspects	0	1	2
16. Past reproductive history, key aspects	0	1	2
17. Past medical history	0	1	2
18. Addresses patient's concerns	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 34

Gynaecological (bimanual) examination MMS

Instructions: Carry out a gynaecological examination on the pelvic model and talk through the various steps involved.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Specifically indicates need to reassure patient about pain	0	1	–
3. Indicates need for a chaperone	0	1	–
4. Indicates need for patient to empty her bladder	0	1	–
5. Indicates need to carry out an abdominal examination	0	1	–
6. Describes correct position for patient to assume	0	1	2
7. Indicates need to ensure patient's comfort and dignity	0	1	–
8. Dons a pair of gloves	0	1	–
9. Inspects vulva	0	1	–
10. Palpates labia majora	0	1	–
11. Attempts to palpate Bartholin's gland	0	1	–
12. Lubricates index and middle fingers of right hand	0	1	–
13. Separates labia minora with thumb and index of left hand	0	1	–
14. Palpates vaginal walls	0	1	2
15. Palpates cervix and assesses it for: size	0	1	–
16. shape	0	1	–
17. consistency	0	1	–
18. mobility	0	1	–
19. Palpates uterus	0	1	2
20. Palpates right and left adnexae	0	1	2
21. Inspects internal fingers for any blood or discharge	0	1	–
22. Indicates possibility of carrying out a speculum examination	0	1	–
23. Indicates possibility of carrying out a cervical smear test	0	1	–
24. Indicates need to ensure that patient is comfortable	0	1	–
25. Indicates need to address patient's concerns	0	1	–

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 34

Speculum examination and liquid based cytology test MMS

Instructions: Obtain a sample for liquid based cytology testing and talk through the various steps involved. There is no patient in this station, but only a pelvic model.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Indicates need to reassure patient about pain	0	1	-
3. Indicates need for a chaperone	0	1	-
4. Indicates need for patient to empty her bladder	0	1	-
5. Describes correct position for patient to assume	0	1	2
6. Indicates need to ensure patient's comfort and dignity	0	1	-
7. Gathers appropriate equipment	0	1	2
8. Checks expiry date on sample collection vial	0	1	-
9. Indicates need to record patient's details on vial and cytology request form	0	1	2
10. Adjusts light source	0	1	-
11. Dons gloves	0	1	-
12. Warms speculum	0	1	-
13. Lubricates speculum	0	1	-
14. Carefully inserts speculum	0	1	2
15. Inserts cervical brush into endocervical canal	0	1	2
16. Rotates by 360° in a clockwise direction five times	0	1	2
17. Immediately rinses cervical brush in the preservative fluid	0	1	2
18. Carefully removes speculum	0	1	2
19. Indicates need to place vial and request form in specimen bag	0	1	-
20. Indicates need to ensure that patient is comfortable	0	1	-
21. Indicates need to address patient's concerns	0	1	-

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 34

Breast history MMS

Instructions: Take a history from 32-year-old Ms Madhuri Rajani who has recently noticed a lump in her breast. Focus on the presenting complaint.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Begins with open questions	0	1	2
3. Explores ideas and concerns	0	1	2
4. For the lump, determines: site	0	1	–
5. size	0	1	–
6. onset	0	1	–
7. duration/course	0	1	–
8. cyclicity	0	1	–
9. Asks about local associated symptoms and signs, including: pain	0	1	–
10. discharge	0	1	–
11. bleeding	0	1	–
12. skin changes	0	1	–
13. nipple retraction or inversion	0	1	–
14. Asks about systemic associated symptoms and signs, including: tiredness	0	1	–
15. fever	0	1	–
16. weight loss	0	1	–
17. chest or back pain	0	1	–
18. Asks whether patient has ever had a similar problem before	0	1	–
19. Addresses patient's concerns	0	1	2

Examiner to ask: *"Please summarise your findings and offer a differential diagnosis."*

20. Summarises key findings	0	1	2
21. Offers appropriate differential diagnosis	0	1	2

Examiner to ask: *"What investigations might you order to help confirm the diagnosis?"*

22. Mammogram	0	1	–
23. Ultrasound scan	0	1	–
24. FNAC	0	1	–

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 38

Breast examination MMS

Instructions: Ms Laura Kennedy is 55 years old. Examine her breasts.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Indicates need for a chaperone	0	1	-
3. Asks patient to undress from waist up	0	1	-
4. Looks to patient's comfort and dignity	0	1	2
5. Asks patient to sit on edge of couch	0	1	-
6. Inspects general appearance	0	1	2
7. Inspects breasts	0	1	2
8. Inspects under the breasts	0	1	-
9. Inspects breasts with patient's hands atop her head	0	1	-
10. Inspects breasts with patient's hands pressed against her hips	0	1	-
11. Asks patient to sit back on couch	0	1	-
12. Warms hands	0	1	-
13. Asks about pain	0	1	-
14. Palpates breasts using a correct technique	0	1	2
15. Palpates tail of Spence	0	1	-
16. Assesses lump for: size	0	1	-
17. shape	0	1	-
18. consistency	0	1	-
19. mobility	0	1	-
20. surface	0	1	-
21. temperature	0	1	-
22. tenderness	0	1	-
23. Attempts to express a discharge from nipple	0	1	-
24. Palpates lymph nodes	0	1	2

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

25. Summarises key findings	0	1	2
26. Offers appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Sexual history MMS

Instructions: 22-year-old student Aaron Goodfellow fears that he might have contracted an STD. Ask questions to determine his level of risk.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Reassures patient about confidentiality	0	1	–
3. Establishes sexual orientation	0	1	–
4. Asks when patient last had sex	0	1	–
5. Asks who patient last had sex with	0	1	–
6. Establishes who else patient has had sex with	0	1	–
7. Establishes whether partners were regular or casual	0	1	–
8. Establishes whether partners were male or female	0	1	–
9. Asks about type of sex engaged in (vaginal, oral, anal)	0	1	–
10. For oral and anal sex, asks whether patient gave or received it	0	1	–
11. Asks whether protection was used on every occasion	0	1	–
12. Asks about any problems with protection used	0	1	–
13. Asks about having sex whilst abroad	0	1	–
14. Asks about origin of sexual partners	0	1	–
15. Asks about symptoms of STDs: sores	0	1	–
16. itching	0	1	–
17. dysuria	0	1	–
18. Asks about history of STDs in patient	0	1	–
19. Asks about history of STDs in partners	0	1	–
20. Addresses patient's concerns	0	1	2

Examiner's global score

0 1 2 3 4

Actor/patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 30

HIV risk assessment MMS

Instructions: Assess 28-year-old Richard Cooper's risk of having contracted HIV.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Reassures patient about confidentiality	0	1	–
3. Establishes sexual orientation	0	1	–
4. Ask about unprotected anal, vaginal, or oral sex	0	1	2
5. Establishes when, where, and how often	0	1	2
6. Establishes number of different partners	0	1	2
7. Establishes sexual habits of these partners	0	1	2
8. Establishes HIV status of these partners	0	1	–
9. Asks whether patient has recently contracted any STDs	0	1	–
10. Asks about illicit drug use	0	1	–
11. Asks whether patient has been injecting himself	0	1	–
12. Asks whether patient has been sharing needles	0	1	–
13. Asks whether patient received blood products or transfusions prior to about 1985	0	1	–
14. Asks about patient's occupation in some detail	0	1	2
15. Addresses patient's concerns	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 30

Condom explanation MMS

Instructions: Explain to 21-year-old Jean-Michel de Harnoncourt how to use a condom.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Explains that male condom is 98% effective	0	1	-
3. Explains that male condom also protects against STDs	0	1	-
4. Explains that condom should be put on before any genital contact has taken place	0	1	-
5. Demonstrates/explains to: check for British kite mark (or equivalent)	0	1	-
6. check for expiry date	0	1	-
7. carefully tear open the pack and remove the condom	0	1	-
8. position the condom on the tip of the erect penis	0	1	-
9. squeeze out the air from the tip of the condom	0	1	-
10. gently roll it down to the base of the penis	0	1	-
11. hold the condom at the base of the penis during penetration	0	1	-
12. after intercourse, remove the condom so that semen is not spilt	0	1	-
13. Asks the patient to repeat the procedure	0	1	2
14. Explains that condoms must never be re-used	0	1	-
15. Explains what to do in the event of a tear	0	1	-
16. Lists principal side-effects	0	1	2
17. Lists principal contraindications	0	1	2
18. Gives/offers to send patient a leaflet	0	1	-

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 30

Combined oral contraceptive pill (COCP) explanation MMS

Instructions: Explain to 23-year-old Nicole Fearn how to use the combined oral contraceptive pill.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Explains that COCP is highly effective if used correctly	0	1	-
3. Highlights that COCP does not protect against STDs	0	1	-
4. Lists other benefits of COCP	0	1	2
5. Lists principal risks of COCP: increased risk of DVT and PE	0	1	-
6. increased risk of MI	0	1	-
7. increased risk of breast cancer	0	1	-
8. increased risk of adenoma of the cervix	0	1	-
9. Lists principal adverse effects of COCP	0	1	2
10. Checks for absolute contraindications to COCP	0	1	2
11. Checks for relative contraindications to COCP	0	1	2
12. Takes a brief drug history	0	1	2
13. Explains: to start taking COCP on first Sunday after period begins	0	1	2
14. to take one pill a day for either 21 or 28 days	0	1	-
15. concept of 'dummy pills'	0	1	-
16. to start a new pack every 28 days	0	1	-
17. to use barrier contraception during first month on pill	0	1	-
18. procedure to follow if one pill is missed	0	1	2
19. Summarises and checks understanding	0	1	2
20. Asks patient to report any severe or unexpected symptoms	0	1	-
21. Gives/offers to send patient a leaflet	0	1	-

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 38

Pessaries and suppositories explanation MMS

Instructions: Explain the use of suppositories to 42-year-old Ms Rosemary Thomas.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Asks whether patient has ever used suppositories before	0	1	-
3. Explains what suppositories are	0	1	-
4. Explains why suppositories are used	0	1	-
5. Explains how suppositories work	0	1	-
6. Explains to: empty bowels	0	1	-
7. wash hands	0	1	-
8. remove suppository from its foil or wrapper	0	1	-
9. lie down on one side with one leg bent and the other straight	0	1	-
10. with a finger, gently push suppository 2-3cm up anus, pointed end first	0	1	-
11. close legs and lie still for a few minutes	0	1	-
12. wash hands a second time	0	1	-
13. Explains what to do if bowels need to be opened soon after	0	1	-
14. Explains what to do if a suppository is missed	0	1	-
15. Summarises and checks understanding	0	1	2

Examiner's global score

0 1 2 3 4

Actor/patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 25

Rheumatological history MMS

Instructions: You are seeing 54-year-old Ms Helen Robertson in rheumatology out-patients. Take a history.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Begins with open questions	0	1	2
3. Asks about pain, and determines its:	0	1	-
4. site	0	1	-
5. characteristics	0	1	-
6. timing	0	1	-
7. Asks about swelling	0	1	-
8. Asks about stiffness	0	1	-
9. Asks about onset of disease	0	1	-
10. Establishes course/progression of disease	0	1	2
11. Asks about local associated features	0	1	2
12. Ask about systemic associated features	0	1	2
13. Asks about general associated features	0	1	2
14. Asks about possible trauma	0	1	-
15. Asks about possible infection	0	1	-
16. Assesses impact on everyday life	0	1	2
17. Asks about housing	0	1	-
18. Assesses level of social support	0	1	2
19. Rules out depressive disorder	0	1	-
20. Past medical history, key aspects	0	1	2
21. Drug history, key aspects	0	1	2
22. Family history, key aspects	0	1	2

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

23. Summarises key findings	0	1	2
24. Offers appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 45

The GALS screening examination MMS

Instructions: You are seeing 34-year-old Tobias Avonbury in rheumatology out-patients. Carry out the GALS screening examination.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Asks patient to undress to undergarments	0	1	–
3. Asks about pain or stiffness in muscles, back, or joints	0	1	–
4. Asks about difficulty in climbing stairs	0	1	–
5. Asks about difficulty washing or dressing	0	1	–
6. Carries out general inspection with patient standing	0	1	2
7. Inspects spine front, back, and side	0	1	2
8. Presses on each vertebra in turn	0	1	–
9. Tests forward flexion	0	1	–
10. Tests flexion and extension of the neck	0	1	–
11. Tests lateral flexion of the neck	0	1	–
12. Tests spinal rotation	0	1	–
13. Inspects arms and hands	0	1	2
14. Feels for warmth, swelling, and tenderness	0	1	2
15. Tests power grip	0	1	–
16. Tests precision pinch grip	0	1	–
17. Tests wrist flexion and extension	0	1	–
18. Tests elbow flexion and extension	0	1	–
19. Tests shoulder external rotation and abduction	0	1	–
20. Inspects legs	0	1	2
21. Feels for warmth, swelling, and tenderness	0	1	2
22. Bends each knee in turn	0	1	–
23. Internally and externally rotates the hips	0	1	2
24. Extends each knee whilst feeling for crepitus	0	1	2
25. Inspects gait	0	1	2

Examiner to ask: *“Please summarise your findings.”*

26. Summarises key findings	0	1	2
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Examiner’s global score

0 1 2 3 4

Patient’s global score

0 1 2 3 4

Examiner’s comments

Total marks possible: 45

Hand and wrist examination MMS

Instructions: Ms Asha Nair is 54 years old. Examine her hands.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Asks patient to expose her arms	0	1	–
3. Inspects dorsal and palmar surfaces of patient's hands	0	1	2
4. Asks patient if her hands are tender or painful	0	1	–
5. Assesses skin temperature	0	1	–
6. Feels finger and wrist joints	0	1	2
7. Feels anatomical snuff box	0	1	–
8. Tests wrist: flexion and extension	0	1	–
9. ulnar and radial deviation	0	1	–
10. pronation and supination	0	1	–
11. Tests thumb: extension	0	1	–
12. abduction	0	1	–
13. adduction	0	1	–
14. opposition	0	1	–
15. Tests finger flexion and extension	0	1	–
16. Tests grip strength	0	1	–
17. Tests pincer strength	0	1	–
18. Attempts to elicit Tinnel's sign	0	1	2
19. Attempts to elicit Phalen's sign	0	1	2
20. Tests flexor profundus	0	1	2
21. Tests flexor superficialis	0	1	2

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

22. Summarises key findings	0	1	2
23. Offers appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 40

Elbow examination MMS

Instructions: Ms Luxi Sun is 45 years old. Examine her elbows.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Asks patient to expose her arms	0	1	-
3. Asks patient to hold her arms by her side	0	1	-
4. Inspects arms from front and back	0	1	2
5. Asks patient if her arms and hands are tender or painful	0	1	-
6. Assesses skin temperature	0	1	-
7. Feels skin for rheumatoid nodules and gouty tophi	0	1	2
8. Feels joint lines	0	1	2
9. Feels lateral and medial epicondyles	0	1	-
10. Tests elbow: flexion and extension	0	1	2
11. pronation and supination	0	1	2
12. Excludes: tennis elbow	0	1	2
13. golfer's elbow	0	1	2
14. Indicates need to: examine the wrists and hands	0	1	-
15. examine the vascular and neurological systems of the upper limb	0	1	-

Examiner to ask: *"Please summarise your findings and offer a differential diagnosis."*

16. Summarises key findings	0	1	2
17. Offers appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 35

Shoulder examination MMS

Instructions: Nathan Osborne is 27 years old. Examine his shoulders.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Asks patient to undress from waist upward	0	1	-
3. Inspects from front and back	0	1	2
4. Asks if shoulders are painful or tender	0	1	-
5. Assesses skin temperature	0	1	-
6. Feels bony landmarks of shoulder	0	1	2
7. Feels biceps tendon	0	1	-
8. Tests shoulder: abduction	0	1	-
9. adduction	0	1	-
10. flexion	0	1	-
11. extension	0	1	-
12. external rotation	0	1	-
13. internal rotation	0	1	-
14. internal rotation in adduction	0	1	-
15. external rotation in abduction	0	1	-
16. Tests for serratus anterior function	0	1	2

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

17. Summarises key findings	0	1	2
18. Offers appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 32

Spinal examination MMS

Instructions: Ms Raphaella Shuster is 24 years old. Examine her spine.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Asks patient to undress to undergarments	0	1	-
3. Inspects: general posture with patient in standing position	0	1	-
4. skin	0	1	-
5. spinal curvatures	0	1	2
6. chest	0	1	-
7. Asks if patient is in any pain	0	1	-
8. Palpates and percusses spinous processes, interspinous ligaments, and paravertebral muscles	0	1	2
9. Inspects gait	0	1	-
10. Tests cervical spine: flexion and extension	0	1	-
11. lateral flexion	0	1	-
12. rotation	0	1	-
13. Stabilises pelvis and tests thoracic spine rotation	0	1	2
14. Measures chest expansion	0	1	2
15. Tests lumbar spine: flexion	0	1	-
16. extension	0	1	-
17. lateral flexion	0	1	-
18. Measures lumbar excursion (approximately)	0	1	2
19. Palpates sacroiliac joints	0	1	-
20. Tests movement of sacroiliac joints	0	1	-
21. Carries out femoral stretch test	0	1	2
22. Carries out straight leg raise	0	1	2

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

23. Summarises key findings	0	1	2
24. Offers appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 42

Station 88: Hip examination MMS

Instructions: Mr Arijit Oliphant is 72 years old. Examine his hips.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Asks patient to undress to undergarments	0	1	–
3. Inspects patient in standing position	0	1	2
4. Inspects patient's gait	0	1	2
5. Carries out Trendelenberg's test	0	1	2
6. Inspects patient in supine position	0	1	2
7. Measures true limb length	0	1	2
8. Measures apparent limb length	0	1	–
9. Measures circumference of quadriceps at a fixed point	0	1	–
10. Asks if patient is in any pain	0	1	–
11. Assesses skin temperature	0	1	–
12. Feels bony landmarks	0	1	–
13. Carries out Thomas' test	0	1	2
14. Tests hip abduction and adduction	0	1	2
15. Tests hip rotation	0	1	2
16. Asks patient to lie prone and tests hip extension	0	1	2

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

17. Summarises key findings	0	1	2
18. Offers appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 38

Station 89: Knee examination MMS

Instructions: Mr Michael Sage is 42 years old. Examine his knees.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Asks patient to undress from the waist downwards	0	1	–
3. Inspects patient's gait	0	1	–
4. Inspects knees	0	1	2
5. Asks patient to perform squat test	0	1	–
6. Inspects knees with patient in supine position	0	1	2
7. Measures quadriceps circumference	0	1	–
8. Asks if patient is in any pain	0	1	–
9. Assesses skin temperature	0	1	–
10. Examines for effusions	0	1	2
11. Palpates joint line	0	1	–
12. Palpates surrounding structures	0	1	–
13. Carries out patellar friction test	0	1	2
14. Carries out patellar apprehension test	0	1	2
15. Tests active flexion and extension	0	1	2
16. Tests passive flexion and extension	0	1	2
17. Performs straight leg raise	0	1	2
18. Tests for collateral ligament tears	0	1	2
19. Tests for cruciate ligament tears: performs posterior sag test	0	1	2
20. performs anterior and posterior drawer tests	0	1	2
21. performs Lachman's test	0	1	2
22. Tests for meniscal tears: performs McMurray's test	0	1	2
23. Examines popliteal fossa	0	1	2

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

24. Summarises key findings	0	1	2
25. Offers appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 50

Station 90: Ankle and foot examination MMS

Instructions: Ms Harriet McArthur is 69 years old. Examine her ankles and feet.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Asks patient to undress from the waist downwards	0	1	–
3. Carries out general inspection with patient in standing position	0	1	2
4. Inspects patient's gait	0	1	–
5. Asks patient to stand on tiptoes and then on heels	0	1	2
6. Inspects the ankles and feet with patient in supine position	0	1	2
7. Asks if patient is in any pain	0	1	–
8. Assesses skin temperature	0	1	–
9. Assesses dorsalis and posterior tibial pulses	0	1	2
10. Palpates bones and joints	0	1	2
11. Tests foot plantarflexion and dorsiflexion	0	1	2
12. Tests foot inversion and eversion	0	1	2
13. Tests forefoot range of movement	0	1	2
14. Tests toe flexion and extension	0	1	2
15. Inspects the calves with patient in prone position	0	1	–
16. Palpates Achilles' tendon	0	1	–
17. Performs Simmond's test	0	1	2

Examiner to ask: "Please summarise your findings and offer a differential diagnosis."

18. Summarises key findings	0	1	2
19. Offers appropriate differential diagnosis	0	1	2

Examiner's global score

0 1 2 3 4

Patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 40

Adult Basic Life Support MMS

Instructions: An elderly lady has collapsed in the street and you are first on the spot. Take appropriate action.

Time allowed: 6 minutes.

1. Ensures safety	0	1	2
2. Checks victim for a response	0	1	2
3. Shouts for help	0	1	–
4. Turns victim onto back	0	1	2
5. Opens airway using head-tilt, chin-lift technique	0	1	2
6. Listens, feels, and looks for breathing	0	1	2
7. Calls for help	0	1	2
8. Delivers 30 chest compressions	0	1	2
9. Aims for a rate of 100 compressions – per minute	0	1	–
10. Aims to depress sternum by 5–6 cm	0	1	–
11. Delivers two rescue breaths	0	1	2
12. Continues chest compressions and rescue breaths in a ratio of 30:2	0	1	2

Examiner to ask: “Under what circumstances might you stop CPR?”

13. If the victim starts breathing normally	0	1	–
14. If qualified help arrives	0	1	–
15. If exhausted	0	1	–

Examiner’s global score

0 1 2 3 4

Examiner’s comments

Total marks possible: 28

In-hospital resuscitation MMS

Instructions: Mr Gary Hussein, an elderly gentleman on ward 6B, has collapsed. Take appropriate action.

Time allowed: 6 minutes.

1. Ensures safety	0	1	2
2. Shouts for help	0	1	-
3. Checks patient for a response	0	1	2
4. Turns patient onto back	0	1	2
5. Opens airway using head-tilt, chin-lift technique	0	1	2
6. Looks into mouth	0	1	2
7. Listens, feels, and looks for breathing	0	1	2
8. Assesses carotid pulse	0	1	2
9. Ensures that resuscitation team is called	0	1	2
10. Delivers 30 chest compressions	0	1	2
11. Aims for a rate of 100 – compressions per minute	0	1	-
12. Aims to depress sternum by 5–6 cm	0	1	-
13. Delivers two ventilations	0	1	2
14. Secures airway	0	1	2
15. Attaches oxygen	0	1	2
16. Indicates need to continue chest compressions uninterrupted and to ventilate at a rate of approximately 10 breaths per minute	0	1	2
17. Upon arrival of defibrillator, applies pads	0	1	2
18. Assesses rhythm	0	1	2
19. Attempts defibrillation	0	1	2
20. Indicates need to continue resuscitation until resuscitation team arrives or until patient shows signs of life	0	1	-

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 40

Advanced Life Support MMS

Instructions: The patient has arrested and CPR is under way. The defibrillator/monitor has just been attached. Carry out advanced life support.

Time allowed: 6 minutes.

1. Assesses rhythm	0	1	2
2. Identifies rhythm as ventricular fibrillation	0	1	2
3. Shouts 'All clear' and 'oxygen away'	0	1	2
4. Performs visual check of area	0	1	2
5. Delivers first shock	0	1	2
6. Immediately resumes CPR (at 30 compressions:2 ventilations)	0	1	2
7. Continues for 2 minutes	0	1	2
8. Assesses rhythm	0	1	-
9. Identifies rhythm as ventricular fibrillation	0	1	-
10. Delivers second shock	0	1	-
11. Indicates need to continue CPR for 2 further minutes and recheck rhythm	0	1	-
12. Identifies rhythm as ventricular fibrillation	0	1	-
13. Indicates need to deliver a third shock	0	1	-
14. Indicates need to give adrenaline 1mg IV and amiodarone 300mg IV	0	1	-
15. Indicates need to continue CPR for 2 further minutes and recheck rhythm	0	1	-
16. Identifies organised electrical activity	0	1	2
17. Checks for a pulse	0	1	2

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 30

Bag-valve mask (BVM/'Ambu bag') ventilation MMS

Instructions: Carry out bag-valve mask ventilation. Assume that the patient (anatomical model) is unconscious and talk through the various steps involved.

Time allowed: 6 minutes.

1. Opens airway using head-tilt, chin-lift method	0	1	2
2. Indicates need to remove any visible obstruction from mouth	0	1	-
3. Identifies need for Guedel airway	0	1	-
4. Sizes Guedel airway using correct technique	0	1	2
5. Inserts Guedel airway using correct technique	0	1	2
6. Chooses appropriately sized bag-valve mask	0	1	-
7. Attaches mask to oxygen supply	0	1	-
8. Adjusts flow rate to 15l/minute	0	1	-
9. Holds mask over face using correct technique	0	1	2
10. Ensures tight seal	0	1	2
11. Maintains airway open	0	1	2
12. Compresses bag with free hand	0	1	-
13. Looks for rise in the chest	0	1	-
14. Ventilates at rate of 10 compressions per minute	0	1	-

Examiner to ask: "Under what circumstances might you stop ventilation?"

15. If the patient starts breathing	0	1	-
16. If the patient has been intubated and put on a ventilator	0	1	-

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 26

Laryngeal mask airway (LMA) insertion MMS

Instructions: Insert a laryngeal mask. Assume that the patient (anatomical model) is unconscious and talk through the various steps involved.

Time allowed: 6 minutes.

1. Gathers appropriate equipment	0	1	–
2. Dons gloves	0	1	–
3. Assembles equipment	0	1	–
4. Checks inflation and deflation of laryngeal mask	0	1	2
5. Lubricates laryngeal mask	0	1	2
6. Ensures that patient has received adequate anaesthesia	0	1	2
7. Ensures that patient has been pre-oxygenated	0	1	2
8. Opens mouth using head-tilt, chin-lift method	0	1	2
9. Checks state of the dentition	0	1	–
10. Inserts tip of mask into the mouth with the aperture facing the tongue	0	1	2
11. Guides mask into pharynx	0	1	2
12. Checks that black line is facing upper lip	0	1	2
13. Carries out steps 9–12 within 30 seconds	0	1	–
14. Inflates cuff with appropriate amount of air	0	1	2
15. Secures cuff with a length of bandage	0	1	–
16. Indicates need to attach breathing system	0	1	–
17. Indicates need to ensure that patient is adequately ventilated	0	1	–

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 30

Pre-operative assessment MMS

Instructions: Ms Poonam Perez is 45 years old. She is due to have a fibroadenoma removed under general anaesthesia. You have already talked to her about the procedure, which she fully understands. Now talk to her about the peri-operative process.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Asks whether patient has ever had surgery before	0	1	–
3. Addresses patient's fears	0	1	2
4. Mentions need to stop solids from 6 hours before the operation	0	1	–
5. Mentions need to stop milky drinks from 4 hours before the operation	0	1	–
6. Mentions need to stop clear fluids from 2 hours before the operation	0	1	–
7. Explains that pre-medication can be given to help with anxiety	0	1	2
8. Explains the anaesthetic procedure	0	1	2
9. Explains that patient may feel sick after the operation	0	1	2
10. Explains that patient may feel pain after the operation	0	1	2
11. Discusses post-operative pain relief	0	1	2
12. Discusses going home and driving	0	1	2
13. Elicits and addresses any remaining questions and concerns	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 30

Patient-Controlled Analgesia (PCA) explanation MMS

Instructions: Explain Patient-Controlled Analgesia (PCA) to Dr Ari Jaman PhD, a 72-year-old gentleman who is due for a knee replacement.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Explores patient's ideas and concerns	0	1	2
3. Explains what PCA is	0	1	2
4. Explains principal advantages of PCA: minimises breakthrough pain	0	1	-
5. reduces risk of adverse events	0	1	-
6. minimises amount of analgesic used	0	1	-
7. provides reliable indication of patient's pain and its evolution over time	0	1	-
8. reduces the chance of dangerous medication errors	0	1	-
9. Explains principal disadvantages of PCA: patient may wake up in pain	0	1	-
10. patient may be unable to press button	0	1	-
11. pump may malfunction	0	1	-
12. Lists principal side-effects of morphine	0	1	2
13. Explains that these side-effects can be limited/controlled	0	1	2
14. Explains monitoring of pain, analgesic usage, and side-effects	0	1	2
15. Elicits and addresses any remaining questions and concerns	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 30

Epidural analgesia explanation MMS

Instructions: Explain epidural analgesia to Ms Catherine de Braganza, a 26-year-old lady who is due to give birth in the next few days.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Explores patient's ideas and concerns	0	1	2
3. Explains what EA is	0	1	2
4. Explains principal advantages of EA: safe	0	1	–
5. effective	0	1	–
6. analgesia can be delivered as a continuous infusion or be patient-controlled	0	1	–
7. Explains principal disadvantages of EA: 5% failure rate	0	1	–
8. increases risk of assisted delivery	0	1	–
9. Checks for contraindications	0	1	2
10. Explains insertion procedure	0	1	2
11. Explains that insertion procedure is carried out by a trained anaesthetist	0	1	–
12. Explains that there is little risk of injuring the spinal cord	0	1	–
13. Lists potential side-effects and complications	0	1	2
14. Explains monitoring for pain, side-effects, and signs of complications	0	1	–
15. Elicits and addresses any remaining questions and concerns	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 30

Wound suturing MMS

Instructions: Suture the wound on the skin pad and talk through the various steps involved.

Time allowed: 6 minutes.

1. Indicates need to examine the wound	0	1	-
2. Indicates need to request X-ray	0	1	-
3. Indicates need to assess distal neurological and vascular function	0	1	-
4. Gathers appropriate equipment	0	1	-
5. Creates sterile field by opening suture pack	0	1	-
6. Pours antiseptic solution into the receptacle	0	1	-
7. Opens suture, syringe, and two needles onto sterile field	0	1	-
8. Indicates need to wash hands	0	1	-
9. Dons gloves	0	1	-
10. Attaches 21G needle to syringe	0	1	-
11. Draws up 5ml of local anaesthetic	0	1	-
12. Discards needle into sharps bin	0	1	-
13. Attaches 25G needle to syringe	0	1	-
14. Cleans wound	0	1	-
15. Drapes field	0	1	-
16. Injects local anaesthetic using correct technique	0	1	2
17. Discards needle into sharps bin	0	1	-
18. Indicates need to give local anaesthetic 5–10 minutes to work	0	1	-
19. Applies sutures using correct technique	0	1	2
20. Applies sutures at appropriate intervals	0	1	2
21. Indicates need to apply dressing	0	1	-
22. Indicates need to assess for a tetanus injection	0	1	-
23. Indicates need to give appropriate instructions for wound care	0	1	-

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 30

Blood glucose measurement MMS

Instructions: Talk through the various steps involved in blood glucose measurement.

Time allowed: 6 minutes.

1. Indicates need to introduce self, explain procedure, and ask for consent	0	1	-
2. Indicates need to establish when patient last ate	0	1	-
3. Indicates need to wash hands	0	1	-
4. Indicates need to clean target finger with an alcohol wipe	0	1	-
5. Indicates need to massage finger	0	1	-
6. Checks that test strips have not expired	0	1	-
7. Ensures that glucose monitor is calibrated	0	1	-
8. Inserts a test strip into the glucose monitor	0	1	-
9. Inserts the lancet into the pricker	0	1	-
10. Indicates need to don gloves	0	1	-
11. Indicates need to prick side of finger	0	1	-
12. Indicates need to squeeze finger	0	1	-
13. Indicates need for test strip sensor to be fully covered in blood	0	1	-
14. Indicates need to stop bleeding with cotton wool	0	1	-

Examiner to ask: "Two hours after his lunch, the patient's glucose reading was 8.5.
What would you tell the patient?"

15. Tells the patient that: the result suggests impaired glucose tolerance	0	1	-
16. the result needs to be confirmed with a glucose tolerance test	0	1	-
17. the patient may be at higher risk of type II diabetes/CVD	0	1	-
18. simple lifestyle changes could be all the treatment that is required	0	1	-

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 22

Urine sample testing/urinalysis MMS

Instructions: Talk through the various steps involved in urine sample testing.

Time allowed: 6 minutes.

1. Indicates need to introduce self and explain procedure	0	1	-
2. Indicates need to ensure that urine specimen is fresh	0	1	-
3. Indicates need to ensure that urine specimen has been appropriately collected	0	1	-
4. Puts on gloves	0	1	-
5. Inspects colour and appearance of urine	0	1	-
6. Stirs urine bottle	0	1	-
7. Checks expiry date of dipsticks	0	1	-
8. Briefly immerses dipstick into urine	0	1	-
9. Holds strip horizontally	0	1	-
10. Waits two minutes to interpret results	0	1	-
11. Correctly identifies leukocytes ++	0	1	-
12. Correctly identifies nitrites +	0	1	-
13. Correctly identifies blood +	0	1	-
14. Suggests a likely UTI	0	1	-
15. Indicates need to send urine for microscopy and culture	0	1	-
16. Indicates need to document results	0	1	-
17. Discards dipstick and gloves in clinical waste bin	0	1	-

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 21

Arterial blood gas (ABG) sampling MMS

Instructions: Take an arterial blood gas from the anatomical arm and talk through the various steps involved.

Time allowed: 6 minutes.

1. Indicates need to check for anticoagulant treatment or clotting abnormality	0	1	2
2. Indicates need to check oxygen requirements and body temperature	0	1	2
3. Gathers appropriate equipment	0	1	2
4. Indicates need to wash hands	0	1	-
5. Positions arm so that wrist is extended	0	1	-
6. Locates radial artery	0	1	2
7. Dons gloves	0	1	-
8. Cleans site with alcohol wipe	0	1	-
9. Indicates need to inject lignocaine intradermally around the chosen area	0	1	-
10. Draws up a little heparin in a 2ml syringe	0	1	2
11. Discards needle in sharps bin	0	1	-
12. Attaches a second (23G) needle to the syringe	0	1	-
13. Fixes the chosen area	0	1	-
14. Inserts the needle at 30 degrees to the skin	0	1	2
15. Obtains bright red flashback	0	1	2
16. Allows the syringe to fill with 2ml of 'blood'	0	1	2
17. Indicates need to press over puncture site for 5 minutes	0	1	2
18. Discards needle in sharps bin	0	1	-
19. Expels air bubbles from syringe and caps it	0	1	2
20. Indicates need to take blood to a blood gas machine for analysis	0	1	-

Examiner to ask: "What readings would you expect to find in uncompensated respiratory acidosis?"

21. PaO ₂ less than 9.3kPa	0	1	2
22. pH less than or equal to 7.35	0	1	2
23. PaCO ₂ > 6.0kPa	0	1	2
24. HCO ₃ between 22 and 28mmol/l	0	1	2

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 42

ECG recording and interpretation MMS

Instructions: Mr Emilio Zapotek is 54 years old. Record an ECG.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Positions patient so that he is lying on a couch	0	1	-
3. Asks patient to expose his upper body and ankles	0	1	-
4. Correctly attaches electrode pads	0	1	2
5. Correctly attaches limb leads	0	1	-
6. Correctly attaches chest leads	0	1	-
7. Turns on ECG machine	0	1	-
8. Checks calibration	0	1	-
9. Checks paper speed	0	1	-
10. Ensures patient is relaxed and comfortable	0	1	-
11. Presses 'analyse ECG' button	0	1	-
12. Eyeballs ECG for life-threatening abnormalities	0	1	2
13. Removes leads	0	1	-
14. Discards electrode pads	0	1	-

Examiner's global score

0 1 2 3 4

Patient's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 25

Chest X-ray interpretation MMS

Instructions: Interpret the chest X-ray and talk through the various steps involved.

Time allowed: 6 minutes.

1. Notes name and age of patient	0	1	2
2. Notes date of the X-ray	0	1	-
3. Identifies that X-ray is PA	0	1	2
4. Identifies that X-ray is erect	0	1	2
5. Identifies that X-ray is not rotated	0	1	2
6. Identifies that penetration is normal	0	1	2
7. Inspects skeleton	0	1	-
8. Inspects soft tissues	0	1	-
9. Inspects lung fields	0	1	-
10. Inspects hila	0	1	-
11. Inspects pleural margins	0	1	-
12. Inspects diaphragm	0	1	-
13. Calculates CTR	0	1	-
14. Inspects trachea	0	1	-
15. Inspects heart and great vessels	0	1	-

Examiner to ask: *"Please summarise your findings and suggest their cause."*

16. Right-sided chest drain	0	1	2
17. Blunted right costophrenic angle	0	1	2
18. Suggests a pleural effusion	0	1	2

Examiner's global score

0 1 2 3 4

Examiner's comments

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Total marks possible: 30

Abdominal X-ray interpretation MMS

Instructions: Interpret the abdominal X-ray and talk through the various steps involved.

Time allowed: 6 minutes.

1. Notes age and sex of patient	0	1	2
2. Notes date of the X-ray	0	1	–
3. Identifies that X-ray is PA	0	1	2
4. Identifies that X-ray is supine	0	1	2
5. Identifies that penetration is normal	0	1	2
6. Inspects skeleton	0	1	–
7. Inspects organs	0	1	–
8. Checks small bowel diameter	0	1	–
9. Checks large bowel diameter	0	1	–
10. Checks for gas under the diaphragm	0	1	–
11. Checks for multiple fluid levels in the colon	0	1	–
12. Checks amount and distribution of faecal matter	0	1	–
13. Inspects for abnormal calcification	0	1	–

Examiner to ask: *“Please summarise your findings and suggest their cause.”*

14. NG tube	0	1	–
15. Accumulation of gas and faeces	0	1	2
16. Dilated colonic segments	0	1	2
17. Multiple fluid levels in colon	0	1	2
18. Suggests large bowel obstruction	0	1	2

Examiner’s global score

0 1 2 3 4

Examiner’s comments

Total marks possible: 30

Drug and controlled drug prescription MMS

Instructions: Write out a repeat prescription for methadone 10mg TDS for 7 days for Mr John Adam Smith of 42 West Register Street, London XXXX XXX, date of birth 01/09/1972.

Time allowed: 6 minutes.

1. Uses prescription pad	0	1	-
2. Writes in black ink	0	1	-
3. Writes legibly	0	1	-
4. Includes the: date	0	1	-
5. full name of the patient	0	1	-
6. full address of the patient	0	1	-
7. patient's date of birth	0	1	-
8. generic name of the drug	0	1	-
9. strength of the preparation	0	1	-
10. formulation of the preparation	0	1	-
11. required dose of the drug	0	1	-
12. frequency of the drug	0	1	-
13. number of days it is to be taken	0	1	-
14. total amount of the preparation in figures	0	1	2
15. total amount of the preparation in words	0	1	2
16. Signs prescription	0	1	-
17. Includes own address	0	1	2

Examiner's comments

Total marks possible: 20

Oxygen prescription MMS

Instructions: Mr Ignacio Palazzo is a 19-year-old gentleman who presents with acute onset breathlessness. Prescribe oxygen therapy.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Identifies/highlights urgency of situation	0	1	2
3. Determines patient's oxygen saturation using a pulse oximeter	0	1	2
4. Indicates need to take an ABG	0	1	–
5. Identifies uncompensated respiratory acidosis on ABG print-out	0	1	2
6. Selects non-rebreather mask	0	1	2
7. Assembles equipment	0	1	2
8. Inflates reservoir bag	0	1	2
9. Adjusts oxygen flow rate	0	1	2
10. Applies mask to patient, ensuring tight but comfortable fit	0	1	2
11. Indicates need to take a second ABG after a certain amount of time	0	1	–
12. Indicates need to make an entry in the case notes	0	1	–
13. Indicates need to sign prescription chart	0	1	–
14. Ensures patient is comfortable	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 32

Death confirmation MMS

Instructions: Confirm death of this patient (mannequin) and talk through the various steps involved.

Time allowed: 6 minutes.

1. Indicates need to take a brief history from a nurse	0	1	-
2. Indicates need to consider resuscitation	0	1	-
3. Asks for patient's case notes	0	1	-
4. Confirms patient's identity	0	1	-
5. Observes patient's general appearance	0	1	-
6. Notes absence of respiratory movements	0	1	-
7. Ascertains that patient does not rouse to verbal stimulus	0	1	-
8. Ascertains that patient does not rouse to tactile stimulus	0	1	-
9. Confirms that pupils are fixed and dilated	0	1	-
10. Indicates need to examine fundi for railroading/palisading	0	1	-
11. Feels for carotid pulses	0	1	-
12. Feels for radial pulses	0	1	-
13. Feels for femoral pulses	0	1	-
14. Auscultates over precordium	0	1	-
15. Indicates need to auscultate for three minutes	0	1	-
16. Checks for pacemaker	0	1	-
17. Auscultates over lungs	0	1	-
18. Indicates need to auscultate for three minutes	0	1	-
19. Indicates need to make an entry in patient's case notes	0	1	-
20. Indicates need to consider post-mortem	0	1	-
21. Indicates need to inform relatives and the patient's GP	0	1	-
22. Indicates need to complete death certificate	0	1	-

Examiner's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 26

Explaining skills MMS

Instructions: Please explain antidepressant treatment to 32-year-old Ms Elizabeth Jean, who presented to your clinic with a mild-to-moderate depressive disorder. She is due to start on citalopram 20mg OD.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Establishes how much patient already knows	0	1	2
3. Establishes patient's concerns and expectations	0	1	2
4. Explains that patient should take one 20mg tablet every morning	0	1	2
5. Explains that citalopram is a commonly prescribed SSRI antidepressant	0	1	2
6. Explains that it increases level of a chemical messenger called serotonin	0	1	2
7. Explains that effectiveness is variable/debated, and that it can take 10–20 days to start producing a noticeable effect	0	1	2
8. Explains that it may have troublesome side-effects, but that these tend to resolve in the first month of treatment	0	1	2
9. Lists principal side-effects of SSRIs	0	1	2
10. Discusses alternative treatments, including psychological treatments	0	1	2
11. Summarises key information	0	1	2
12. Checks understanding	0	1	2
13. Encourages and addresses questions	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 34

Breaking bad news MMS

Instructions: 85-year-old Mr Hospers was admitted late last night after suffering a myocardial infarction. Unfortunately, he passed away in the early hours of the morning. His wife, Mrs Hospers, has been called in, and you have been asked to speak to her.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Looks to Mrs Hosper's comfort and privacy	0	1	2
3. Determines what she already knows	0	1	2
4. Establishes her outlook on the situation	0	1	2
5. Warns her that bad news is coming	0	1	2
6. Breaks the bad news	0	1	2
7. Gives her time to respond	0	1	2
8. Encourages her to express her emotions	0	1	2
9. Empathises with her emotions	0	1	2
10. Identifies her main concerns	0	1	2
11. Seeks to address those concerns	0	1	2
12. Ensures that there is someone with her when she leaves	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 32

The angry patient or relative MMS

Instructions: 31-year-old Mr Nataraja recently discovered a lump in his neck. His GP referred him for an ultrasound scan, and he has had to wait eight weeks for the appointment. The appointment is due today, and Mr Nataraja has just turned up to the hospital. Unfortunately, the list has had to be cancelled at the last minute due to staff illness. Please speak to Mr Nataraja.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Explains that list has had to be cancelled	0	1	2
3. Acknowledges Mr Nataraja's anger	0	1	2
4. Gives him the opportunity to vent his anger	0	1	2
5. Explores the reasons for his anger	0	1	2
6. Validates his feelings	0	1	2
7. Gives him the opportunity to express those feelings	0	1	2
8. Offers to do something for him or for him to do something	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 24

Cross-cultural communication MMS

Instructions: Two weeks ago, 24-year-old Ms Zhuang Yin Qiao was admitted with acute onset psychosis under Section 2 of the Mental Health Act. She is originally from China, but she has been in the UK for one year to pursue her masters-level studies. She is refusing to take her antipsychotic medication and would rather be treated with acupuncture. Although she has made good progress, her team feel that it is important that she continue taking her antipsychotic medication. Please speak to Ms Qiao.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Elicits patient's ideas	0	1	2
3. Elicits patient's concerns	0	1	2
4. Elicits patient's expectations	0	1	2
5. Establishes patient's cultural group	0	1	2
6. Establishes the cultural group's beliefs and values	0	1	2
7. Establishes patient's individual beliefs and values	0	1	2
8. Checks that he or she has understood the patient's problems	0	1	2
9. Explores possible solutions/compromises	0	1	2
10. Agrees a mutually satisfactory course of action	0	1	2
11. Summarises the consultation	0	1	2
12. Checks patient's understanding	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 32

Discharge planning and negotiation MMS

Instructions: 72-year-old Mr Arbuthnot is a heavy smoker with a long history of COPD. He was admitted five days ago with pneumonia, and has since made a good recovery. His team feel that he is ready to be discharged. Please discuss this with him.

Time allowed: 6 minutes.

1. Introduction and orientation	0	1	2
2. Explores impact of hospitalisation on patient	0	1	2
3. Explores his current mood and disposition	0	1	2
4. Explains that his team are thinking of discharging him	0	1	–
5. Elicits and addresses any concerns that he may have about going home	0	1	2
6. Explores home situation and support system	0	1	2
7. Considers extra help that can be offered	0	1	2
8. Discusses medication and compliance	0	1	2
9. Highlights need to finish course of antibiotics	0	1	–
10. Addresses risk factors and suggests lifestyle changes	0	1	2
11. Offers a follow-up appointment	0	1	2
12. Summarises key points	0	1	2
13. Checks patient's understanding	0	1	2
14. Elicits and addresses any remaining questions or concerns	0	1	2

Examiner's global score

0 1 2 3 4

Actor's global score

0 1 2 3 4

Examiner's comments

Total marks possible: 34