

Name:



PRACTICE TEST PAPER

This paper contains a total of 40 questions with 10 questions from each mandatory unit

The standard time to complete this exam is 40 minutes.

Correct answers are available [here](#) on the ABPI Exams website.

The pass mark for each ABPI Exam is 60%.

Qs 1- 10 assess aspects of Unit 1 (Note that questions relating to the NHS are based on the most up-to-date NHS learning materials at the time of preparation (May 2020). The current NHS learning materials are available [here](#) on the ABPI Exams website. Similarly, questions relating to the ABPI Code of Practice for the Pharmaceutical Industry are based on the current Code at the time of preparation (May 2020) which can be found [here](#).)

- Which of the following bodies both have the specific role and responsibility of monitoring and regulation within the structure of the NHS?
 - Clinical Commissioning Groups and NICE
 - NICE and Healthwatch England
 - NHS Improvement and Health and Wellbeing Boards
 - The Care Quality Commission and NHS Improvement
- The diagram shows the structure of the NHS in Northern Ireland.



Which organisation is denoted by the letter Z?

- Department of Health, Social Services and Public Safety
- Health & Social Care Board
- Health & Social Care Trusts
- Public Health Agency

3. Which one of the following NHS organisations is responsible for the registration and inspection of hospitals, care homes, GP surgeries, dental practices and other healthcare services?

- A Care Quality Commission
- B Healthwatch England
- C Health & Wellbeing Boards
- D NHS Improvement

4. The following statements about the benefits of collaborative working between the pharmaceutical industry and the NHS may be TRUE or FALSE:

Statement 1:

The pharmaceutical industry, apart from supplying medicines that improve patients' lives, can contribute expertise arising from its extensive knowledge of the therapy areas relevant to its medicines to the NHS.

Statement 2:

The NHS and pharmaceutical industry are able to pool skills, experience and/or resources for the benefit of patients and share a commitment to successful delivery.

Select one:

- A. Both statement 1 and statement 2 are TRUE
- B. Statement 1 is TRUE and statement 2 is FALSE
- C. Statement 1 is FALSE and statement 2 is TRUE
- D. Both statement 1 and statement 2 are FALSE

5. David has recently been employed by a pharmaceutical company to call on pharmacists to promote the company's medicines on the basis of their price, quality and availability. The appropriate examination and time period within he must pass the examination is:

- A. the ABPI Certificate in the promotion of prescription medicines, or equivalent, within one year of starting employment
- B. the ABPI Certificate in the promotion of prescription medicines, or equivalent, within two years of starting employment
- C. the ABPI Diploma in the promotion of prescription medicines, or equivalent, within one year of starting employment
- D. the ABPI Diploma in the promotion of prescription medicines, or equivalent, within two years of starting employment

6. The following forms of advertisement may be used to promote medicines:
1. Advertisements to doctors for over-the-counter medicines for purchase by patients
 2. Advertisements to doctors for medicines for prescription to patients
 3. Advertisements to pharmacists for over-the-counter medicine for purchase by patients
 4. Advertisements to pharmacists for medicines other than over-the-counter medicines

Which of the above come under the scope of the ABPI Code of Practice?

- A 1 and 2 only
 - B 1 and 3 only
 - C 2 only
 - D 2 and 4 only
7. Three of the following may be included in an abbreviated advertisement; which one must not be included?
- A The legal classification of the product
 - B The non-proprietary name of the medicine
 - C The relevant marketing authorisation numbers
 - D Any warning issued by the Medicines Commission
8. Sponsorship of scientific meetings by pharmaceutical companies should be disclosed in a
- A discrete way in any published proceedings
 - B prominent way in any papers or published proceedings
 - C discrete way in all of the papers relating to the meeting
 - D prominent way on the inside of the back cover of all papers and books
9. Who can be refunded if the therapeutic effect of a medicine does not meet expectations?
- A The practice manager
 - B The practice where it was administered
 - C The relevant NHS or similar organization
 - D The health practitioner who prescribed the medicine

10. The items specified below refer to items a company may or may not provide with respect to promotions to health professionals and other decision makers:

1. Notebooks, pens and pencils given out at exhibition stands
2. Notebooks, pens and pencils given in conferences at bona fide meetings organised by a third party provided that no individual receives more than one notebook and one pen or pencil and that they do not bear the name of the donor company or the name of any medicine or any information about medicines
3. Modest donations to reputable charities in return for health professionals' attendance at company stands at meetings
4. Modest donations to reputable charities in return for the grant of an interview with a health professional

Which of the following responses is correct?

- A. 1 and 2 may be provided; 3 and 4 may not be provided
- B. 1 and 3 may be provided; 2 and 4 may not be provided
- C. 2 and 3 may be provided; 1 and 4 may not be provided
- D. 2 and 4 may be provided; 1 and 3 may not be provided

Qs 11- 20 assess aspects of Unit 2

11. Between 60-70% of body weight is made up of?

- A Muscle
- B Bone
- C Blood
- D Water

12. What type of membrane is the pericardium?

- A Mucus
- B Synovial
- C Goblet
- D Serous

13. Once the right ventricle is full it contracts and forces blood through the (a) into the (b). Select the missing words from the list below.

- A (a) pulmonary valve
(b) pulmonary artery
- B (a) vena cava
(b) ventricles
- C (a) pulmonary artery
(b) pulmonary valve
- D (a) tricuspid valve
(b) right ventricle

14. Here is a picture of a person having their blood pressure measured by a sphygmomanometer.



Which row A to D correctly describes blood pressure?

	This pressure is measured when the and normally has a value of about ...
A	Diastolic pressure	ventricles are relaxed	80mmHg
B	Systolic pressure	ventricles are relaxed	120mmHg
C	Diastolic pressure	ventricles are contracting	120mmHg
D	Systolic pressure	ventricles are contracting	80mmHg

- A Row A
B Row B
C Row C
D Row D

15. The table below shows the action of the breathing muscles when breathing out during normal shallow breathing.
Which row is correct?

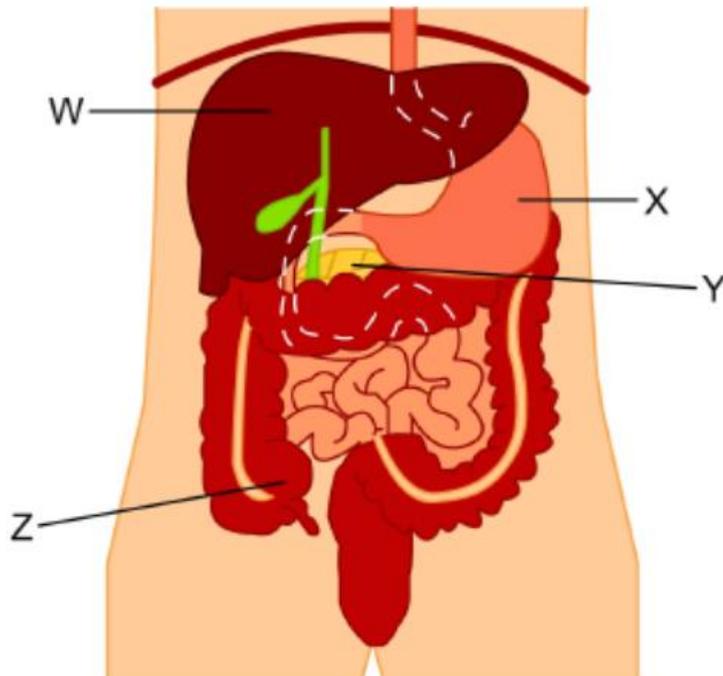
	<i>Intercostal muscles</i>	<i>Diaphragm</i>
A	contract	contracts
B	contract	relaxes
C	relax	contracts
D	relax	relaxes

- A Row A
B Row B
C Row C
D Row D
16. Which of the following microbes are killed by antibiotics?
- A Bacteria
B Protozoa
C Viruses
D Fungi
17. Food travelling down the oesophagus (24 cm long) to the stomach takes 8 seconds to get there. The rate of the peristaltic contraction is ...
- A 0.03 m/s
B 0.33 m/s
C 3.00 m/s
D 33.33 m/s
18. Proton pump inhibitors may be prescribed for ...
- A cirrhosis of the liver
B irritable bowel syndrome
C jaundice
D stomach ulcer

19. Which treatment is recommended for use in some cases of post-menopausal osteoporosis?

- A Biologics
- B Monoclonal antibodies
- C Systematic corticosteroids
- D Non-steroidal anti-inflammatory drugs

20. The diagram shows the human digestive system:



© ABPI 2014

In some patients a yellowing of the skin and whites of the eyes is noted. A disorder affecting which part of the digestive system could lead to these symptoms?

- A Area W
- B Area X
- C Area Y
- D Area Z

Qs 21- 30 assess aspects of Unit 3

21. Which of the following is a fibre which conducts nerve impulses away from the cell body?

- A Axon
- B Glial cell
- C Neurone
- D Synapse

22. Macular degeneration

- A involves degeneration of the lens
- B causes short sightedness
- C causes long sightedness
- D does not affect peripheral vision

23. Which pain theory is being described below?

A normal pain response is self-limiting. The brain quickly suppresses signals in the spinal cord, while the deeper ache of the C-fibres resolves more slowly, as tissue repair proceeds and inflammatory chemicals disappear.

- A Peptide neuromodulation theory
- B Gate control theory
- C Limbic gate theory
- D Somatic pain response theory

24. The following observations were made in a healthy individual:

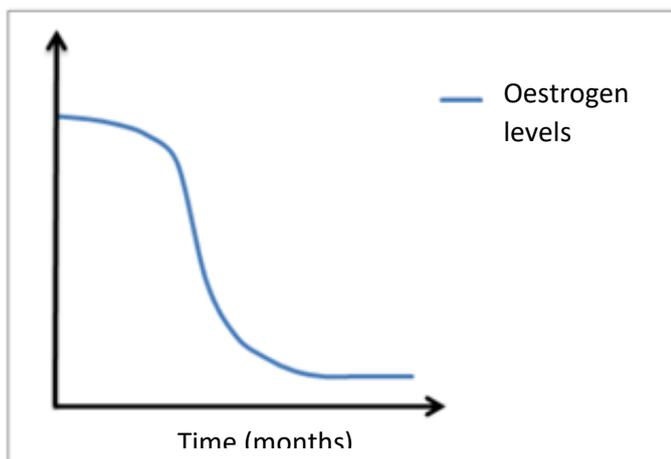
An increase in the basal metabolic rate due partly to a rise in the oxidation of fatty acids in the body cells.

Which glands from the following list could be responsible for this observation?

1. Pancreas
2. Anterior pituitary
3. Parathyroid
4. Thyroid

- A. 1 and 2 only
- B. 2 and 4 only
- C. 3 and 4 only
- D. 2, 3 and 4 only

25. Why is seminal fluid slightly alkaline?
- A To protect the sperm from pathogens in the urethra
 - B To help destroy bacteria in the vagina
 - C To counteract the acidity of urine
 - D To help neutralise the environment inside the vagina
26. Which organ secretes progesterone?
- A Pituitary gland
 - B Pineal gland
 - C Pancreas
 - D Ovary
27. Which of the following describes the cause of benign prostatic hyperplasia/hypertrophy (BPH)?
- A An infection in the urinary tract can cause pain on urination
 - B Venous-occlusive disease resulting in problems with keeping the blood within the penis
 - C Over time, the prostate can grow and restrict space for the urethra
 - D Vascular disease resulting in obstructed blood vessels can restrict flow to the prostate
28. The graph below shows the oestrogen levels of a female patient monitored over one year.



Which of the following is the most likely explanation for this change?

- A. Thrush
- B. Ovarian cancer
- C. Menopause
- D. Pregnancy

29. When ADH levels fall, what happens to the volume and colour of urine?
- A Urine levels increase and the colour becomes darker
 - B Urine levels decrease and the colour becomes lighter
 - C Urine levels decrease and the colour becomes darker
 - D Urine levels increase and the colour becomes lighter
30. Four patients suffering from various urinary tract conditions were asked to provide an early morning sample of urine for analysis. The results can be seen in Table 1:

	<i>Volume of urine (ml)</i>	<i>Bacterial count (colony forming units/ml)</i>	<i>Protein Count (mg/l)</i>
Patient P	280	10^4	15
Patient Q	320	10^3	38
Patient R	245	10^7	18
Patient S	130	10^3	14

Which patient is probably suffering from renal failure?

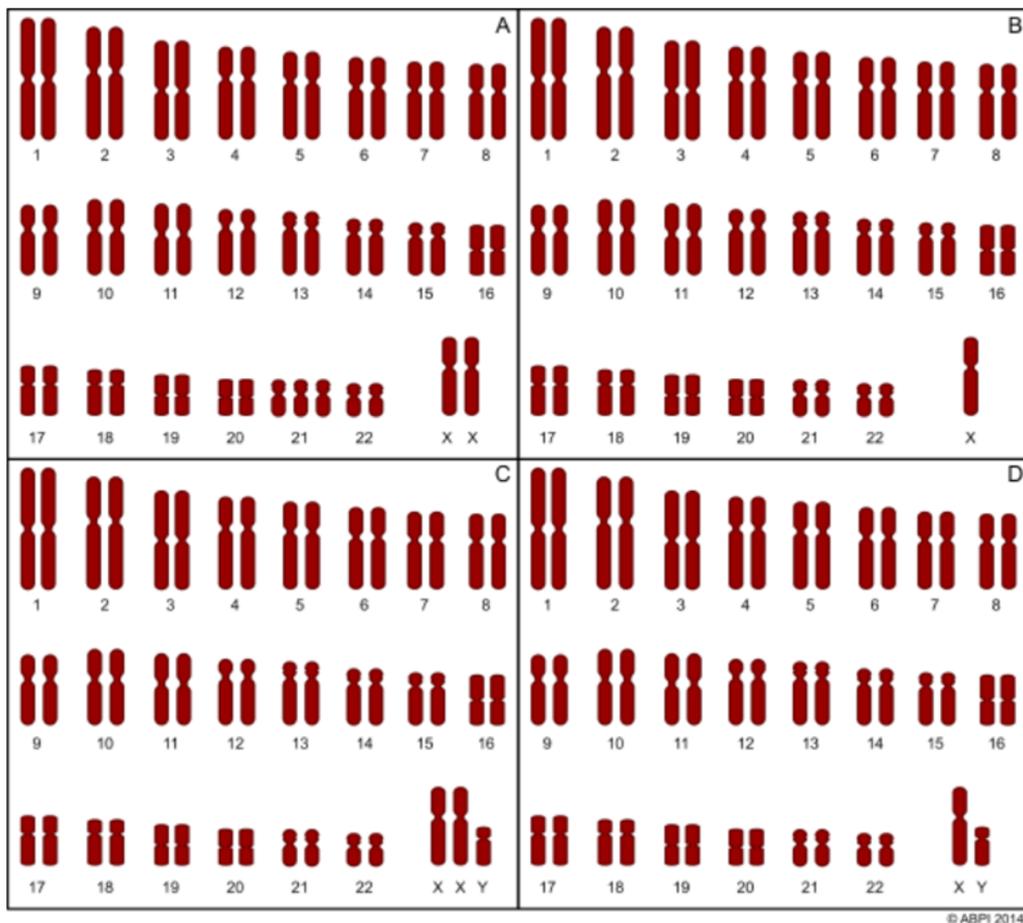
- A Patient P
- B Patient Q
- C Patient R
- D Patient S

Qs 31- 40 assess aspects of Unit 4

31. Which of the following is an example of a pathogen that enters the body through direct contact with another person?

- A Bilharzia
- B Malaria
- C Tuberculosis
- D Syphilis

32. The illustration below shows the chromosome complements of four individuals.



Which individual has the genetic disorder known as Turner's Syndrome?

- A Individual A
- B Individual B
- C Individual C
- D Individual D

33. If you are vaccinated you are given _____ immunity. Select the missing word from the list below.

- A artificial
- B programmed
- C synthetic
- D injected

34. The non-clinical safety evaluation of a medicine will generally include:

1. Characterisation of toxic effects with respect to target organs
2. Dose dependence
3. Establishing a 'no effect' level
4. Investigating how the active ingredient is metabolised

In vitro studies could also provide useful data for which of the above?

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

35. A researcher is carrying out an observational study where a large number of healthy individuals have their overall health assessed over an extended period of time to find out how many develop a specific disease and when this happens. What type of observational study is this?

- A Case control
- B Prospective longitudinal cohort
- C Cross-sectional
- D Retrospective longitudinal cohort

36. Drug X was used to treat 500 people, and 60 benefited from the treatment. In the control group of 500 people, 50 showed an improvement. What is the RRR?

- A 8.3%
- B 10%
- C 16.7%
- D 20%

37. A journalist calls a pharmaceutical company to discuss concerns raised by a group of patients about joint pain they have experienced while using one of the company's products. Details are taken but there is no previous record of such an adverse effect on file. Which of the following would be an appropriate way for the company's representative to deal with this matter?

- A Ignore the information as it is unsubstantiated hearsay
- B Complete a Yellow Card and send it to the MHRA
- C Report details of product and adverse event to the pharmacovigilance department
- D Contact the patients involved to obtain further information

38. Read the two statements below:

Statement 1:

The ABPI Code of Practice states that companies must have a scientific service to compile and collate all information, whether received from medical representatives or from any other source, about the medicines which they market.

Statement 2:

Pharmacovigilance information is used continuously to build up the safety profile of a medicine so that companies can advise prescribers and users of any changes as necessary.

Which of the following responses is correct?

- A Statements 1 and 2 are both correct
- B Statements 1 and 2 are both incorrect
- C Statement 1 is correct and statement 2 is incorrect
- D Statement 1 is incorrect and statement 2 is correct

39. Cytoplasm and tissue fluid contain various solutes dissolved in water. Which row of this table describes the conditions required for water to move from the cytoplasm to the tissue fluid by osmosis?

	Solute concentration in cytoplasm	Solute concentration in tissue fluid	Membrane permeability
A	lower	higher	selectively permeable
B	lower	higher	fully permeable
C	higher	lower	selectively permeable
D	higher	lower	fully permeable

- A Row A
B Row B
C Row C
D Row D

40. Pharmacokinetics is the study of how a drug ...

- A is manufactured
B is sold and distributed around the country
C interacts with specific receptors in the body
D is absorbed, distributed, metabolised and excreted

END OF QUESTIONS

Correct answers are available [here](#) on the ABPI Exams website.