SAMPLE PAPER
PHARMACY
TECHNICIAN IST YEAR
PART I PAPER 1
SUBJECT

1. Human anatomy is the science concerned with which one of the following?
   A. Disease
   B. Drugs
   C. Functions
   D. Genetics
   E. Structure

2. Which one of the following branches of anatomy deals with study of the fetus?
   A. Embryology
   B. Gross anatomy
   C. Histology
   D. Neuroanatomy
   E. Surface anatomy

3. In embryology, which one of the following terms refers to the tail end of the embryo?
   A. Caudal
   B. Cephalic
   C. Lateral
   D. Medial
   E. Rostral

4. Which one of the following is called “collar bone” felt subcutaneously on thoracic wall?
   A. 1st rib
   B. 2nd rib
   C. Cervical rib
   D. Clavicle
   E. Sternum

5. Brachial artery may be felt pulsating deep to which one of the following muscles?
   A. Anconeus
   B. Biceps
   C. Brachioradialis
   D. Deltoid
   E. Triceps

6. The respiratory center is located in:
   A. Spinal cord
   B. Medulla oblongata
   C. Cerebrum
   D. Cerebellum
7. Which of the following cell organelle can replicate like DNA and chromosomes during cell mitosis?
   A. Mitochondria
   B. Centriole
   C. Ribosome
   D. Lysosome

8. Basically cell membranes are composed of:
   A. Phospholipids
   B. Proteins
   C. Carbohydrates
   D. Electrolytes
   E. Both A and B

9. Oxytocin is secreted from:
   A. Hypothalamus
   B. Anterior pituitary
   C. Posterior pituitary
   D. Thyroid
   E. Pineal

10. Storage form of Iron is:
    A. Transferrine
    B. Ferritin
    C. Hemosiderin
    D. Albumin
    E. Globulin

11. Amylases are found in:
    A. Pancreatic glands
    B. Hepatic glands
    C. Salivary glands
    D. Both A and C

12. "Rennin" is used in:
    A. Paper making
    B. Wine making
    C. Cheese making
    D. Detergent industry
    E. Wood Processing

13. Normal Blood Pressure Range is:
    A. 120/80 mm Hg
    B. 130/70 mm Hg
    C. 120/60 mm Hg
    D. 140/90 mm Hg
    E. 160/80 mm Hg
14. Checking performance of instrument is:
   A. First line quality control
   B. Second line quality control
   C. Third line quality control
   D. Fourth line quality control

15. Purest form of sampling based on probability is:
   A. Random sampling
   B. Non random sampling
   C. Systematic sampling
   D. Stratified sampling
   E. Convenient sampling

16. Man is an intermediate host for which of the following?
   A. Pinworm
   B. Filaria
   C. Guinea worm
   D. Tapeworm
   E. Malaria

17. Which of the following drug is used to prevent Malaria?
   A. Mebendazole
   B. Thiabendazole
   C. Piperazine
   D. Chloroquine

18. The type of image obtained in compound microscope is:
   A. Real
   B. Inverted
   C. Virtual
   D. Concave
   E. Convex

19. The presence of bacteria in the blood stream is known as:
   A. Viraemia
   B. Septicaemia
   C. Bacteramia
   D. Bactericidal

20. Scarlet fever is caused by which of the following?
   A. Salmonella typhi
   B. Streptococcus viridans
   C. Staphylococcus aureus
   D. Streptococcus pyogenes
DESCRIPTIVE PORTION

21. Classify synovial joints according to the shape of articulating surfaces and range of movements. Give examples of each variety.

22. Enumerate 5 layers of epidermis.
<table>
<thead>
<tr>
<th>Q #.</th>
<th>Right Choice</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>E</td>
</tr>
<tr>
<td>2</td>
<td>A</td>
</tr>
<tr>
<td>3</td>
<td>A</td>
</tr>
<tr>
<td>4</td>
<td>D</td>
</tr>
<tr>
<td>5</td>
<td>B</td>
</tr>
<tr>
<td>6</td>
<td>B</td>
</tr>
<tr>
<td>7</td>
<td>B</td>
</tr>
<tr>
<td>8</td>
<td>E</td>
</tr>
<tr>
<td>9</td>
<td>C</td>
</tr>
<tr>
<td>10</td>
<td>B</td>
</tr>
<tr>
<td>11</td>
<td>D</td>
</tr>
<tr>
<td>12</td>
<td>C</td>
</tr>
<tr>
<td>13</td>
<td>A</td>
</tr>
<tr>
<td>14</td>
<td>A</td>
</tr>
<tr>
<td>15</td>
<td>A</td>
</tr>
<tr>
<td>16</td>
<td>E</td>
</tr>
<tr>
<td>17</td>
<td>D</td>
</tr>
<tr>
<td>18</td>
<td>C</td>
</tr>
<tr>
<td>19</td>
<td>D</td>
</tr>
<tr>
<td>20</td>
<td>B</td>
</tr>
</tbody>
</table>