

VOCATIONAL PRACTICALS QUESTION BANK

(With Effect from the Academic year 2023-24)

PHARMA TECHNOLOGY
(COURSE CODE:616)



State Institute of Vocational Education

**O/o the Commissioner of Intermediate Education,
Telangana State, Hyderabad**

&

Board of Intermediate Education

Telangana State, Hyderabad

List of Participants

1.	Sri. Mohd Amer Khan Guest Faculty inPharma Technology, Government Junior CollegeSamsthanNarayanpur, YadadriBhongir District
2.	Smt. G. Sruthi, Guest Faculty in PharmaTechnology, CSNR Government Junior College for Boys, Bhongir, YadadriBhongir District
3.	Co-ordinator Dr. R.Jyothsna Rani, Lecturer [SIVE], O/o. Commissioner of Intermediate Education, Telangana, Hyderabad

**PHARMA TECHNOLOGY
FIRST YEAR
QUESTION BANK
Paper I: HUMAN ANATOMY AND PHYSIOLOGY [616/21]**

Time: 3hrs

Max.Marks: 50

SECTION-I

1X20=20 Marks

1. Find out the total R.B.C count of given blood sample.
2. Estimate the amount of glucose in blood urine.
3. Estimate the differential leucocyte count of given blood sample.
4. Identify the given model and explain the structure. (Heart)
5. Estimate the B.P. of given subject.

SECTION-II

1X10=10 Marks

6. Find out the temperature pulse and respiration of given subject.
7. Demonstrate widal test by using biochemical kits.
8. Explain first aid method for emergency case, CPR and burns.
9. Explain vertebral column and classify
10. Write the classification of ribs

SECTION-III

1X10=10 Marks

11. Scapula, Skull, Radius, Sternum, Liver
12. Radius, Humerus, Femur, Ulna, Skull
13. Clavicle, Tibia, Fibula, Ovary, Patella
14. Pancreas, Brain, Lungs, Kidneys, Stomach
15. Slide, cover slip, microscope, Neubauer chamber, RBC pipette

Record

5 marks

Viva- Voice

5 Marks

**PHARMA TECHNOLOGY
FIRST YEAR
MODEL QUESTION PAPER
Paper I: HUMAN ANATOMY AND PHYSIOLOGY [616/21]**

Time:3hrs

Max.Marks:50

4, 8, 12

Note: The serial numbers of the questions mentioned above are the serial number in the question bank. In practical examination, only the serial number of the question will be given and for forty (40) marks. The examiner shall decode it with the question bank and give the questions.

Record

5marks

Viva-Voice

5Marks

**PHARMA TECHNOLOGY
FIRST YEAR
QUESTION BANK
Paper-II: PHARMACEUTICAL TECHNOLOGY- I [616/22]**

Time: 3hrs

Max. Marks: 50

SECTION-I

1X20=20 Marks

1. Determine the viscosity of given liquid using Ostwald viscometer.
2. Prepare and submit liquid paraffin emulsion
3. Prepare and submit syrup I.P. and evaluate its specific gravity
4. Determine the bulk density and tapped density of given powder
5. Perform the in process checks of given compressed tablet.

SECTION-II

1X10=10 Marks

6. Determine particle size of given powder by sieve analysis.
7. Determine particle size of given powder by using optical microscope
8. Perform leak test of ampoules
9. Perform the in process checks of the given liquid preparation
10. Defects in coated and uncoated tablets.

SECTION-III

1X10=10 Marks

11. Bulky density apparatus, torque tester, hardness tester, friabilator, Brookfield viscometer
12. Capsule sealing machine, melting point apparatus, disintegration rate test apparatus, capillary tube, vernier caliper's
13. Tablet coating machine, capsule filling machine, Rotatory die machinedissolution test apparatus, motor and pestle
14. Aerosol containers, fire extinguisher, sieve, labelling machine, analytical balance
15. Safety shoes, PVC apron, surgical gloves, safety goggles, full face mask

**Record
Viva- Voice**

**5 marks
5 Marks**

**PHARMA TECHNOLOGY
FIRST YEAR
MODEL QUESTION PAPER
Paper-II: PHARMACEUTICAL TECHNOLOGY – I [616/22]**

Time:3hrs

Max.Marks:50

4, 8, 12

Note: The serial numbers of the questions mentioned above are the serial number in the question bank. In practical examination, only the serial number of the question will be given and for forty (40) marks. The examiner shall decode it with the question bank and give the questions.

Record

5marks

Viva-Voice

5Marks

**PHARMA TECHNOLOGY
FIRST YEAR
QUESTION BANK
Paper-III: PHARMACEUTICAL CHEMISTRY AND QUALITY
MANAGEMENT SYSTEMS [616/23]**

Time: 3hrs

Max. Marks: 50

SECTION-I

1X20=20 Marks

1. Prepare and standardize the given molar solution with acid base titration
2. Prepare and standardize the given normal solution by iodometric titration
3. Perform the chromatographic separation of given sample by paper chromatography
4. Identify the given inorganic salt.
5. Perform functional group analysis of given sample.

SECTION-II

1X10=10 Marks

6. How do you prepare 10% W/V solution of given sample.
7. Prepare 1M solution of given base.
8. Prepare 1N solution of given acid.
9. Calibrate the given weighing balance.
10. Perform the technique of centrifugation for the given sample.

SECTION-III

1X10=10 Marks

11. Conical flask, beaker, common balance, pipette, Burette
12. Boiling point apparatus, funnel, iodine flask, analytical balance, capillary, tubes.
13. pH meter, magnetic, stirrer, desiccator, water bath, dropper.
14. Hot air oven, Rotatory shaker, cuvette, volumetric flask, glass rod.
15. Round bottomed flask, funnel, separating funnel, spatula, watch glass.

**Record
Viva- Voice**

**5 marks
5 Marks**

**PHARMA TECHNOLOGY
FIRST YEAR
MODEL QUESTION PAPER
Paper-III: PHARMACEUTICAL CHEMISTRY AND QUALITY
MANAGEMENT SYSTEMS [616/23]**

Time: 3hrs

Max.Marks:50

4, 8, 12

Note: The serial numbers of the questions mentioned above are the serial number in the question bank. In practical examination, only the serial number of the question will be given and for forty (40) marks. The examiner shall decode it with the question bank and give the questions.

Record

5marks

Viva-Voice

5Marks