

P25/P27/HSC126/EE/20160526

Time : 3 Hours

Marks : 80

Instruction :

1. All Questions are Compulsory.
 2. Each Sub-question carry 5 marks.
 3. Each Sub-question should be answered between 75 to 100 words. Write every questions answer on separate page.
 4. Question paper of 80 Marks, it will be converted in to your programme structure marks.
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1. Solve any **four** sub-questions.
 - a) Explain material used for removal of alcohol and its importance, advantage, disadvantage. 5
 - b) Explain in short procedure of cryostat cut section. 5
 - c) Write methods for sharpening of knife. Explain any one. 5
 - d) Give overall importance of alcohol and xylene in H/P. 5
 - e) What is Section Cutting? Describe manual method of section cutting. 5
2. Solve any **four** sub-questions.
 - a) Short note on Mayer albumin - composition, uses and procedure of use. 5
 - b) What is Decalcification? What are different decalcification methods? 5
 - c) When is clearing done in H/P? Write its procedure and significance. 5
 - d) Define Autopsy, Biopsy, Fixative. 5
 - e) What are activities in H/P lab performed by histotechnician? 5
3. Solve any **four** sub-questions.
 - a) What is end point of decalcification. What are different methods for it? 5
 - b) What is dehydration? Give example. Write its procedure. 5
 - c) Explain in short processing of tissue using automatic tissue processor. 5
 - d) Describe and give use of L-mould. 5
 - e) Name reagents used in PAP and H/E staining. Write uses of each. 5

4. Solve any **four** sub-questions.
- a) What is full form of D.P.X? Write its use and procedure for use. 5
 - b) Describe different methods of smear preparation for cytological study. 5
 - c) What is Staining? What is basic theory of Staining? 5
 - d) Name different types of Microtomes. Give use of each in H/P. 5
 - e) Explain different stages of tissue processing in short. 5

