



AD-3237
Third Year B. Sc. (Microbiology (Sem. VI)
Examination
March/April – 2015
MB - 22 : Haematology & Blood Banking

Time : 2 Hours]
Instruction:

[Total Marks : 50

<p>नीचे दर्शावेक निशानीवाणी विगतो उत्तरवही पर अवश्य लपनी. Fillup strictly the details of signs on your answer book.</p> <p>Name of the Examination : THIRD YEAR B. SC. (MICROBIOLOGY) (SEM. VI)</p> <p>Name of the Subject : MB - 22 : HAEMATOLOGY & BLOOD BANKING</p> <p>Subject Code No. : 3 2 3 7 Section No. (1, 2,.....): Nil</p>	<p>Seat No. : <input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/><input type="text"/></p> <div style="border: 1px solid black; border-radius: 15px; padding: 10px; text-align: center; width: 100%;">Student's Signature</div>
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- 1 Give Specific answers: 12
- (a) Give average size and normal values of thrombocytes.
 - (b) Give the principle of cyanmethaemoglobin method, and the concentration of standard Hb solution used in the same.
 - (c) What is (Oh) blood group? Define the same.
 - (d) Define cryoprecipitates? Give their use.
 - (e) How Ca^{++} and thrombin play an important role in blood coagulation ?
 - (f) What care must be taken during the use of Drabkin's solution ? Why is it necessary?
- 2 Explain/Comment on any two of the following 12
- (a) Low temperature stored, anticoagulated blood should be tested within limited period.
 - (b) Determination of PCV is clinically significant.
 - (c) The life of patient may be hanging on a great risk before blood transfusion.

- 3** Discuss in detail any two of the following: **16**
- (a) Give the significance of using blood components. Describe platelet concentrates, their storage and transportation.
 - (b) Define aplastic anaemia. Discuss various types of anaemia.
 - (c) Give examples of anticoagulants. Discuss blood collection methods in haematology.
- 4** Write short notes on any two of the following: **10**
- (a) Bleeding time determination.
 - (b) Discovery of human blood groups: ABO and Rh.
 - (c) Cross-matching.
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