

Total No. of Printed Pages—3

2

PAR/CCM-59/13

MEDICAL SCIENCE

2013

FIRST PAPER

Full Marks : 200

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Describe the myocardial blood supply with the help of a diagram and its importances to ischaemic heart disease. What are the serum cardiac markers? 20
2. Write short notes on any *four* of the following : 5×4=20
 - (a) Microanatomy of pancreas
 - (b) Down syndrome
 - (c) Antioxidant enzyme
 - (d) Methotrexate as anticancer agent
 - (e) Karyotyping

14T—100/133

(Turn Over

3. Define blood pressure. Describe the long-term regulation of blood pressure. What is essential hypertension? 20
4. Classify breast cancer. Discuss the prognostic markers and predictive factors for invasive breast cancer. 20
5. Define normal flora. What is the role of normal flora in different parts of human body? Discuss, in brief, its clinical importance. 20
6. What are different hormones of adrenal cortex? Explain their functions. 20
7. Enumerate the cells participating in acute and chronic inflammations. Describe the role of macrophage in inflammation. 20
8. Name the commonly encountered staphylococcal infections. How does laboratory help you in diagnosis? Is antibiotic sensitivity test important? 20
9. Write short notes on any *four* of the following : 5×4=20
 - (a) Aschoff's nodule
 - (b) Disinfecting agents

- (c) Diagnosis of diphtheria
- (d) Beta-blockers
- (e) Absolute proof of semen

10. Draw a sketch of visual path and describe the effect of lesions in right optic tract. 20
