

P26/HSC149/EE/20160519

Time : 3 Hours

Marks : 80

Instructions :

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) How will you classify sport based on risk of eye injury? Give suitable examples. 5
 - b) What are various symptoms that an athlete can experience during his/her sport? 5
 - c) Explain terms : 5
 - i) Hand eye co-ordination
 - ii) Reaction time
 - d) Write a short note on Bassin Anticipation timer. 5
 - e) How do you check versions of an Athlete? Why is it important to check them? 5
2. Solve any **four** sub-questions.
 - a) Define Contrast sensitivity. Why is it important to check contrast in athletes? 5
 - b) Differentiate between static visual acuity and dynamic visual acuity. 5
 - c) Explain terms : 5
 - i) Focus Flexibility
 - ii) Response speed
 - d) What is body eye co-ordination? Enlist various tests to check skill. Also give examples of two sports where this skill is at most important. 5
 - e) What is Glare? What are its types? How will you control it? 5

3. Solve any **four** sub-questions.
- a) Enlist different tests to detect dominant eye? Elaborate any one in detail. 5
 - b) Explain terms : 5
 - i) Visual memory
 - ii) Speed of recognition
 - c) Differentiate between photopic and scotopic vision. 5
 - d) What is the goal of sports vision practice? 5
 - e) How will you assess level of visual concentration an athlete is able to maintain for his sport? 5

4. Solve any **four** sub-questions.

Case :

A 12 year old boy comes to you for eye check up and treatment. He is state level player for basketball and national level player for hockey. He practices hockey in the morning, then goes to school. He practices basketball in evening. There is no complaint related to eye or vision. But he wants to improve his concentration in sports as well as in studies.

- a) Enlist various visual skills required for both these sports. 5
- b) How will you investigate this case? 5
- c) Enlist possible treatment options for this player. 5
- d) How will you design vision therapy for this player? 5
- e) How will you manage this case if you find convergence insufficiency? 5

