

**NEW**

**Part-III 3-Tier**

**2017**

**PHYSIOLOGY**

**PAPER—VII**

**(Honours)**

**(PRACTICAL)**

*Full Marks : 100*

*Time : 6 Hours*

*The figures in the right-hand margin indicate full marks.*

*Answer all questions.*

1. Interpret the observation of the supplied kymographic record of toad's gastrocnemius sciatic preparation. 5

*[\* Student will collect the supplied record by lottery system]*

2. Prepare a kymographic record of effect of acetyl choline on isolated rat's intestinal movement in Dale's apparatus. 15

*[Preparation — 03, Effect of normal tracing — 02, Effect of drug*

*(Turn Over)*

(Single dose) — 03, Normal tracing — 02, Preservation of record — 02, Interpretation of your result 03.]

3. Prepare the pneumographic record of respiratory movements in following conditions.

(i) breath holding (30 sec)

(ii) hyperventilation (10 – 15 sec) and submit your result with interpretation. 10

[Setup - 02, pneographic record : Normal, effect of breath holding, normal, hyperventilation normal - 1 + 1 + 1 + 1; interpretation for each condition 02 × 02 = 04]

4. Measure the following anthropometric parameters by indicating the respective points.

(a) Bi-acromian diameter; Marks - 02.

(b) head breadth (anterio - posterio); Marks - 02

(c) Waist - hip ratio with interpretation. Marks - (2+2+1+1) 10

5. Make four power-point slides for a presentation. 2.5×4

6. Submit your project or field survey report duly authenticated by the concerned teacher or head of the department. 20

[Report preparation - 12; Viva on the report - 08]

7. Submit the report of educational excursion. 10  
[Report preparation - 06; Viva on the report - 04]
8. Submit your Laboratory note books duly signed by the respective teachers. 10  
[Experimental physiology - 03; Human experiments - 04; Computer application - 03]  
(Regularly signed note books will get more credit and no marks will be given if the LNB is not signed at all)
9. Viva-Voce. 10
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