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Total number of printed pages-8

34 (4) CMBR 4.4

2018

**COMMUNITY BASED REHABILITATION**

Full Marks : 100

Time : Three hours

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

1. Essay type questions : (***Any two*** out of ***three***)  
2×10=20
  - (a) Define Ergonomics. Describe the mechanical hazards encountered by a construction site labourer. Explain in detail about the occupational health physiotherapy. 1+3+6
  - (b) Give a brief clinical picture of Downs syndrome children. Write the screening methods for the same. Describe about their rehabilitation in the community along with the roles of the rehabilitation team. 3+2+3+2
  - (c) Disability Evaluation — Enumerate in detail.

Contd.

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2. Short Essay type : (**Any ten** out of **twelve**)  
5×10=50

- (a) Define community and give its multiplicity. Write in detail about community entry strategies.
- (b) Vocational Rehabilitation.
- (c) Write about extension services and mobile units.
- (d) Explain the roles of the following voluntary organizations in CBR :
  - (i) UNICEF
  - (ii) CARE
  - (iii) USAID
  - (iv) UNDP
  - (v) DANIDA.
- (e) Write about urinary incontinence, its screening and PT Management for the same. 1+1+3
- (f) Write about scoliosis. Explain in detail about the orthosis used for the correction of this deformity. 1+4
- (g) PWD Act, 1995.
- (h) Give the PT Management of an 18 yr old D10 spinal cord injury male in the community.
- (i) Role of Government in CBR.
- (j) Roles of various Rehabilitation team members.

- (k) Architectural barriers for the disabled and their modifications.
- (l) Describe the strategies to improve ADL.

3. Short Answer Type : (**Any five** out of **seven**)  
2×5=10

- (a) Brunnstrom stages of recovery
- (b) Approaches of delivery of rehabilitation care
- (c) CBR and IBR
- (d) Ethics of Geriatric Rehabilitation
- (e) Multipurpose Health Worker
- (f) Community participation
- (g) National Agencies for PWD's.

4. Multiple Choice Questions : 1×20=20

- (a) Moderate hearing impairment is said to occur when the dB level is :
  - (i) 26-40 dB
  - (ii) 41-60 dB
  - (iii) 61-70 dB
  - (iv) 71-90 dB.

(b) Type of lesion in Saturday night palsy most commonly is :

- (i) Axonotmesis
- (ii) Neurotmesis
- (iii) Neuropraxia
- (iv) Traction injury.

(c) The rate of pin rolling tremors in parkinson's disease is :

- (i) 1-2 times/sec
- (ii) 20-30 times/sec
- (iii) 16 times/sec
- (iv) 6-8 times/sec.

(d) Functional electrical stimulation was introduced by :

- (i) Robinson
- (ii) Signet
- (iii) Liberson
- (iv) Ferguson.

(e) DMD can be staged into :

- (i) 7 stages
- (ii) 8 stages
- (iii) 4 stages
- (iv) 5 stages.

(f) ILO was formed in the year :

- (i) 1985
- (ii) 1999
- (iii) 1919
- (iv) 1969.

(g) In the functional position of hand, the wrist is maintained in slight extension at :

- (i) 30°
- (ii) 20°
- (iii) 15°
- (iv) 10°.

(h) Following are the advantages of a walker except :

- (i) Allows maximum stability
- (ii) Allows sense of security
- (iii) Light in weight and adjustable
- (iv) None of the above.

(i) The father of Amputation surgery is :

- (i) Ambrose Pare
- (ii) Ferguson
- (iii) Muenster
- (iv) Bowden.

- (j) Surgical correction of scoliosis is
- (i)  $> 20^\circ$
  - (ii)  $> 30^\circ$
  - (iii)  $> 40^\circ$
  - (iv)  $> 50^\circ$ .
- (k) When vasodilatation is not desired, the duration of cryotherapy should be :
- (i) 30 minutes
  - (ii)  $> 15$  minutes
  - (iii)  $< 15$  minutes
  - (iv) None of the above.
- (l) Cardiac muscles ability to regenerate is :
- (i) Partial
  - (ii) None
  - (iii) Full and complete
  - (iv) Variable.
- (m) In an ergonomically designed chair, the backrest is at least :
- (i) 18" tall  $\times$  14" wide
  - (ii) 20" tall  $\times$  16" wide
  - (iii) 16" tall  $\times$  12" wide
  - (iv) 14" tall  $\times$  14" wide.
- (n) Coveyance allowance for a deaf employee is :
- (i) Rs. 100/month
  - (ii) Rs. 50/month
  - (iii) Rs. 75/month
  - (iv) None.
- (o) Seat width in an adult wheelchair :
- (i) 18-20 inches
  - (ii) 16-18 inches
  - (iii) 14-18 inches
  - (iv) 10-12 inches.
- (p) Which of the following does not come under ethics ?
- (i) Professional collegiability
  - (ii) Advocacy for the client
  - (iii) Allocation of resource
  - (iv) None of the above.
- (q) Fluctuation of muscle tone is found in :
- (i) Spastic CP
  - (ii) Flaccid CP
  - (iii) Athetoid CP
  - (iv) None of the above.

(r) Syme's amputation is contraindicated in :

- (i) Malignancy of big toe
- (ii) Diabetic foot
- (iii) Both (i) and (ii)
- (iv) Crush injury.

(s) National Institute of Mentally Handicapped is in :

- (i) Secunderabad
- (ii) Dehradun
- (iii) Chennai
- (iv) Faridabad.

(t) The ministry responsible for the rehabilitation of the handicapped is :

- (i) Ministry of Welfare
- (ii) Ministry of Labour
- (iii) Ministry of Health
- (iv) Ministry of social justice and empowerment.