3585/BS3

Paper III — HEALTH STATISTICS HEALTH DATA MANAGEMENT AND DEMOGRAPHY

Time : Three hours

Maximum : 100 marks

SECTION A — (20 × 1 = 20 marks)

Answer the following questions in 1 or 2 sentences each.

1. Vital Statistics.

2. Quin quennial rate.

3. Health Statistics.

4. Point prevalence rate.

5. Master patient index.

6. Transposing data.

7. Sorting.

8. Random number seed.

9. Cross tabs.

10. Crude death rates.

11. Infant mortality rate.

12. Population Pyramid.

13. Application of Excel.

14. Civil registration system.

15. Population Pyramid.

Choose the correct answer :

16. One of the sources of health statistics is

    (a) NSS data
    (b) Census data
    (c) Hospital records
    (d) None of the above.

17. A classification based on the part of the body affected is

    (a) Anatomist
    (b) Pathologist
    (c) Cardiologist
    (d) Dentist.

18. International classification of diseases is published by

    (a) WHO
    (b) NSO
    (c) ICMR
    (d) CSO.

19. The third volume of the ICD – 10 is

    (a) Instruction manual
    (b) Tabular List
    (c) Alphabetical index
    (d) Diagnostic index.

20. The indexes used in the medical record department is

    (a) Master patient index
    (b) Physician index
    (c) Operation index
    (d) Diagnostic index.

SECTION B — (5 × 6 = 30 marks)

Answer ALL questions.

21. (a) Explain crude and specific rate.

    Or

    (b) What are the use of health statistics?

22. (a) State any four morbidity measurement.

    Or

    (b) Explain the indices to describe hospital service.

23. (a) Explain the uses of diagnostic and operative indexes.

    Or

    (b) Briefly explain the purpose of the classification of disease.

24. (a) Write a note on computer work book and work sheet.

    Or

    (b) Create a table by entering data in a data sheet.

25. (a) Explain the survey of cause of death.

    Or

    (b) Explain the estimation of population.

SECTION C — (5 × 10 = 50 marks)

Answer ALL questions.

26. (a) Explain the uses of vital statistics.

Or

(b) Discuss the different rates of morbidity.

27. (a) Discuss the health data management.

Or

(b) Explain the use of SPSS in data management.

28. (a) Describe the cross tabs data consideration in SPSS software.

Or

(b) Explain the one way ANOVA Data consideration.

29. (a) Explain the mortality and fertility rates.

Or

(b) Describe the sources of demographic data.

30. (a) Discuss the trend and regional differentials in population growth.

Or

(b) Discuss the strategies of population stabilisation.

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