

Time Allowed : 20 Minutes

Maximum Marks : 17

Signature of Deputy Supdt. \_\_\_\_\_

Note : Use this paper to write the answers to the objective questions. No mark will be awarded for cutting, over-writing or using a pencil. This paper must be tagged with the answer-book.

7. Some possible answers to each statement are given below. Tick (✓) mark the correct answer : 17

- (i) All of the following are synthesized by liver, except that of :  
( Glucagon. Albumin. Fibrinogen. Prothrombin. )
- (ii) All of the following are related to axial skeleton except :  
( Skull. Ribs. Sternum. Appendages. )
- (iii) Which one is not related to others :  
( Myxedema. Diabetes. Cretinism. Exophthalmic goiter. )
- (iv) During delivery in human females, the average loss of blood is about :  
( 250 cm<sup>3</sup> , 350 mm<sup>3</sup> , 350 cm<sup>3</sup> , 250 mm<sup>3</sup> )
- (v) The meristem present at the bases of inter-nodes in many plants is :  
( Apical meristem. Intercalary meristem. Lateral meristem. Cork cambium. )
- (vi) A central role for chromosomes in heredity was first suggested in 1900 by :  
( W.S. Sutton. T.H.Morgan. Karl Correns. Walther Fleming. )
- (vii) In which phase of cell cycle the number of chromosomes become double :  
( S-phase. G1 phase. G2 phase. G0 phase. )
- (viii) All the alleles found in a breeding population at a given time are collectively called the :  
( Polygene. Gene pool. Continuously varying trait. Multiple Alleles. )
- (ix) The enzyme that extracted from thermus aquaticus bacterium is :  
( DNA-polymerase. Taq polymerase.  
DNA-polymerase and Taq polymerase. RNA-polymerase. )
- (x) In a population with two alleles for a particular locus, B and b, the allele frequency of B is 0.7. what would be the frequency of heterozygote if the population is in Hardy-Weinberg equilibrium : ( 0.42 , 0.49 , 0.03 , 0.21 )
- (xi) The living organism which can prepare their own food are:  
( Heterotrophs. Green plants. Producers. Green plants and producers. )
- (xii) In Sindh the desert ecosystem is called :  
( Thar. Thal. Cholistan. Temperate. )
- (xiii) A single chlorine atom can react with ultra-violet rays and destroy ozone molecules as many as : ( One billion. One million. Two million. Two billion. )
- (xiv) Of all the kidney stones, the incidence of calcium phosphate types of stones are the :  
( 70% , 20% , 10% , 15% )
- (xv) The structure formed by the fusion of posterior four pelvic vertebrae is :  
( Axis. Coccyx. Atlas. Sacrum. )
- (xvi) The onset of epilepsy usually occurs before the age of :  
( 25 years. 50 years. 60 years. 30 years. )
- (xvii) The first convoluted part of vas deference is called :  
( Epididymis. Seminiferous tubules. Ureter. Scrotum. )

**LIBRARY SCIENCE**

لائبریری سائنس

Paper : II (Essay Type)

208۔ (انٹری پارٹ۔ II)

پرچہ : II (انشائیہ طرز)

Time Allowed : 2.40 hours

وقت : 2.40 گھنٹے

Maximum Marks : 68

کل نمبر : 68

( حصہ اول - I PART )

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2۔ مندرجہ ذیل سوالات میں سے کوئی سے بائیس (22) کے مختصر جوابات لکھئے :

2. Write any Twenty-Two ( 22 ) short answers of the following questions :

(i) What is the objective of classification of books in Library ? لائبریری میں کتب کی درجہ بندی کا کیا مقصد ہے؟

(ii) Write the name of the founder of Sears list of Subject Headings. سیرز کی موضوعی سرخیوں کی فہرست کے بانی کا نام لکھئے۔

(iii) Describe any two advantages of book catalogue . کتابی کیٹلاگ کی صرف دو خوبیاں بیان کیجئے۔

(iv) What is microform catalogue ? مائیکرو فارم کیٹلاگ کیا ہے؟

(v) Write the name of two famous encyclopaedias. دو مشہور انسائیکلو پیڈیا کے نام لکھئے۔

(vi) What is meant by Biographical sources? سوانحی ماخذ سے کیا مراد ہے؟

(vii) Describe two standards for the evaluation of Biographical Sources. سوانحی ماخذ کی تشخیص کے دو معیار بیان کیجئے۔

(viii) Describe two standards for the evaluation of Biographical Sources. لائبریری کیٹلاگ کیا ہے؟

(ix) Describe two disadvantages of card catalogue. کارڈ کیٹلاگ کی دو خامیاں بیان کیجئے۔

(x) Why Subject Heading is assigned ? موضوعی سرخی کیوں لگائی جاتی ہے؟

(xi) What is meant by Index ? اشاریہ سے کیا مراد ہے؟

(xii) Describe two advantages of Browne's Charging System. براؤن کے اجرائی نظام کے دو فوائد بیان کیجئے۔

(xiii) Write two important particulars of accession register. اندراج رجسٹر کے دو اہم کوائف لکھئے۔

(xiv) When the first edition of Dewey Decimal Classification was published ? ڈیوی کی اعشاریاتی درجہ بندی کا پہلا ایڈیشن کب شائع ہوا تھا؟

(xv) What is Call Number ? طلب نمبر کیا ہے؟

(xvi) Write the name of two important classification schemes. دو اہم درجہ بندی اسکیموں کے نام لکھئے۔

(xvii) Describe Classified Catalogue ? درجہ بندی کیٹلاگ کی تعریف کیجئے۔

(xviii) What is meant by subject catalogue ? موضوعی کیٹلاگ سے کیا مراد ہے؟

(xix) What is Shelf List ? خانہ دار فہرست (شیلف لسٹ) کیا ہے؟

(xx) Write the name of two famous biographical sources. دو مشہور سوانحی ماخذ کے نام لکھئے۔

(xxi) Write name of kinds of Notation. علامت کی اقسام کے نام لکھئے۔

(xxii) What is meant by borrower's card ? مستعیر کارڈ سے کیا مراد ہے؟

(xxiii) Describe the use of book card. کتابی کارڈ کا استعمال بیان کیجئے۔

(xxiv) What is meant by reservation of book ? کتاب مخصوص کروانے سے کیا مراد ہے؟

( ورق الٹئے )