

CBSE – DEPARTMENT OF SKILL EDUCATION

MEDICAL DIAGNOSTICS (SUBJECT CODE (828))

Sample Question Paper

Class XII (Session 2019–2020)

Time: 3 Hours

Max. Marks: 60

General Instructions:

- This Question Paper consists of two parts viz. Part A: Employability Skills and Part B: Subject Skills.*
- Part A: Employability Skills (10 Marks)**
 - Answer any 4 questions out of the given 6 questions of 1 mark each.*
 - Answer any 3 questions out of the given 5 questions of 2 marks each.*
- Part B: Subject Skills (40 Marks):**
 - Answer any 10 questions out of the given 12 questions of 1 mark each.*
 - Answer any 5 questions from the given 7 questions of 2 marks each.*
 - Answer any 5 questions from the given 7 questions of 3 marks each.*
 - Answer any 3 questions from the given 5 questions of 5 marks each.*
- This question paper contains 42 questions out of which 30 questions are to be answered.*
- All questions of a particular part/section must be attempted in the correct order.*
- The maximum time allowed is 3 hrs.*

PART A: EMPLOYABILITY SKILLS (10 MARKS)

Answer any 4 questions out of the given 6 questions of 1 mark each:

1.	A _____ is one independent clause that has a subject and a verb and expresses a complete thought.	(1)
2.	_____ is defined as the drive required to engage in goal-oriented behavior.	(1)
3.	_____ is a condition marked by an overreliance on other people to meet one's emotional and physical needs.	(1)
4.	_____ It is located at the top and displays the name of the application and the name of the current document.	(1)
5.	_____ is a process of developing a business plan, launching and running a business using innovation to meet customer needs and to make a profit.	(1)
6.	The key to environmental protection is to prevent the degradation of the _____ which is important for all living creatures.	(1)

Answer any 3 questions out of the given 5 questions of 2 marks each:

7.	Write the differences between Hearing and listening.	(2)
8.	Enumerate any four basic personality traits.	(2)
9.	Name two software that can be used to create presentation.	(2)
10.	What should you keep in your mind while understanding your competitors in any business field?	(2)
11.	Enlist any four green jobs.	(2)

PART B: SUBJECT SKILLS (50 MARKS)

Answer any 10 questions out of the given 12 questions:

12.	Which instrument is used to separate solution in supernatant and sediment by using a required speed?	(1)
13.	Which chemicals are used to prevent blood clotting?	(1)
14.	Write down the full form of EDTA.	(1)
15.	Name the instrument used for counting blood cells?	(1)
16.	Name the equipment that is used to sterilize various materials in the laboratory by steam sterilization method.	(1)
17.	Write down the full form of ELISA.	(1)
18.	What is the normal pH of blood?	(1)
19.	Who discovered Rhesus blood group system?	(1)
20.	Name the study of cells that have been shed or removed from the epithelial or mesothelial linings.	(1)
21.	Write down the full form of FNAC.	(1)
22.	Name one cytological fixative.	(1)

23.	Name one special fixative used for hemorrhagic samples.	(1)
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Answer any 5 questions out of the given 7 questions of 2 marks each:

24.	List a few diseases in which bone marrow examination is indicated.	(2)
25.	Write down the life span and function of RBC.	(2)
26.	Enumerate two conditions where increased and decreased osmotic fragility can be seen?	
27.	Enumerate two types of process that can be done by using cell separator in blood bank.	(2)
28.	Write down the uses of incubator in blood bank.	(2)
29.	Write down the properties of good cytological fixatives.	(2)
30.	Enumerate the procedure for disinfection of plastic reusable cytospin cuvettes.	(2)

Answer any 5 questions out of the given 7 questions of 3 marks each:

31.	In which conditions prolonged bleeding time is seen?	(3)
32.	How the disease anemia can be classified based on the absolute value?	(3)
33.	Enumerate the records that can be kept in blood bank.	(3)
34.	Write down the uses and working principle of hot air oven.	(3)
35.	Write down the functions of parts of microscope.	(3)
36.	Write down the procedures of Giemsa staining.	(3)
37.	How can you prepare a cell block?	

Answer any 3 questions out of the given 5 questions of 5 marks each:

38.	Mention the Laboratory factors which influence ESR.	(5)
39.	Enumerate the five properties of well prepared blood film.	(5)
40.	Write down the principle, sample, method and interpretation of Rh antibody titers.	(5)
41.	Enumerate the equipment for blood component preparation.	(5)
42.	Write down the procedure and result of Hematoxylin and eosin staining method.	(5)