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# **MPSC Asst. Prof.**

**Previous Year Paper  
(Pharmacy)  
15 Apr, 2014**



Question Paper Preview

- Notations :
- 1.Options shown in green color and with ✓ icon are correct.
  - 2.Options shown in red color and with ✗ icon are incorrect.

Question Paper Name:	Pharmacy actual
Creation Date:	2014-04-15 17:37:25
Cut Off:	10
Duration:	60
Number of Questions:	100

Group 1		
Number of optional sections to be attempted: 0	Group Maximum duration : 0	Group Minimum duration : 60
Revisit allowed for view? : No	Revisit allowed for edit? : No	Break time: 0

Pharmacy		
Section type : Online	Number of Questions to be attempted:100	Mandatory or Optional: Mandatory

Sub-Section : 1	Question Shuffling Allowed : Yes
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Question id : 7913 Question Type : MCQ

.....is not the component of blood proteins

- Options :
- 1. ✗ Albumin
  - 2. ✓ Proconvertin
  - 3. ✗ Globulin
  - 4. ✗ Fibrinogen

Question id : 7914 Question Type : MCQ

.....anemia results in destruction of red bone marrow

- Options :
- 1. ✗ Iron deficiency
  - 2. ✗ Pernicious
  - 3. ✓ Aplastic
  - 4. ✗ Hemolytic

Question id : 7915 Question Type : MCQ

Which one of the following is not one of the steps of Homeostasis?

- Options :
- 1. ✗ Coagulation
  - 2. ✗ Vasoconstriction

3. ✖ Platelet plug formation
4. ✔ Hemophilia

**Question id : 7916 Question Type : MCQ**

Which one of the following is not the component of white blood cells?

**Options :**

1. ✖ Neutrophils
2. ✔ Platelets
3. ✖ Monocytes
4. ✖ Basophils

**Question id : 7917 Question Type : MCQ**

Which type of hypersensitivity reaction has cell - mediated (delayed) type of action?

**Options :**

1. ✖ Type I Hypersensitivity
2. ✖ Type II hypersensitivity
3. ✖ Type III hypersensitivity
4. ✔ Type IV hypersensitivity

**Question id : 7918 Question Type : MCQ**

The quantity of anticoagulant solution for the preparation of whole blood

**Options :**

1. ✔ should not be less than 22% v/v
2. ✖ should not be more than 22% v/v
3. ✖ should be 2.2% v/v
4. ✖ should be less than 2.2% v/v

**Question id : 7919 Question Type : MCQ**

The test used for detection of Treponemal antibodies in syphilis test is not as per following test

**Options :**

1. ✔ Venereal disease research laboratory test
2. ✖ Fluorescent Treponemal antibody test
3. ✖ Reiter protein complement fixation test
4. ✖ Treponema palladium immobilization test

**Question id : 7920 Question Type : MCQ**

The confirmation of AIDS is by one of the following tests

**Options :**

1. ✖ ELISA
2. ✔ Western blot
3. ✖ PCR test
4. ✖ Southern blot

**Question id : 7921 Question Type : MCQ**

The Rh blood group is so named because

**Options :**

1. ✖ Blood groups contain either Rh+ve or Rh-ve charges

2. ✓ Antigen was discovered in the blood of Rhesus monkey
3. ✗ Antibodies are having Rh system
4. ✗ Antigens exist in human plasma

**Question id : 7922 Question Type : MCQ**

Whole human blood (IP) is

**Options :**

1. ✗ Blood with anticoagulant content not more than 9.7% w/v of hemoglobin
2. ✓ The final mixture of blood and anticoagulant solution containing not less than 9.7% w/v of hemoglobin
3. ✗ A mixture of blood without any anticoagulant
4. ✗ A mixture containing 12.2% w/v of hemoglobin

**Question id : 7923 Question Type : MCQ**

The effect of Human Immunodeficiency Virus (HIV) infection results in

**Options :**

1. ✓ Affecting cell-mediated immunity and severe loss of CD4+ cells.
2. ✗ Affecting cell mediated immunity and severe loss of CD8+ cells.
3. ✗ Affecting both antibody and cell-mediated immunity with increased CD4 cells.
4. ✗ Affecting both antibody and cell-mediated immunity and increased CD4 and CD8 cells.

**Question id : 7924 Question Type : MCQ**

The sequence of serological markers for Hepatitis B Viral (HBV) infection is

**Options :**

1. ✗ Hepatitis B antigen, Hepatitis B surface antigen and HBV-DNA
2. ✗ Hepatitis B antigen, HBV-DNA and Hepatitis B surface antigen
3. ✓ Hepatitis B surface antigen, HBV-DNA and Hepatitis B antigen.
4. ✗ Hepatitis B surface antigen, and Hepatitis B antigen

**Question id : 7925 Question Type : MCQ**

In patients with AIDS the most common fungal infection is

**Options :**

1. ✗ Toxoplasmosis
2. ✓ Candidiasis
3. ✗ Cryptococcosis
4. ✗ Aspergillosis

**Question id : 7926 Question Type : MCQ**

HIV virus has a protein coat and a genetic material which is

**Options :**

1. ✗ Double stranded RNA
2. ✓ Single stranded RNA
3. ✗ Double stranded DNA
4. ✗ Single stranded DNA

**Question id : 7927 Question Type : MCQ**

Serum sickness is a immunological disease mediated due to

**Options :**

1. ✗ T-cell mediated immune response
2. ✗ Impaired production of T-cells from the thymus glands.
3. ✗ Increased formation of antibodies at the site of infection.
4. ✓ Formation of antigen-antibody complex in circulation and its deposition.

**Question id : 7928 Question Type : MCQ**

Ototoxicity and Nephrotoxicity are the selective toxicities of

**Options :**

1. ✗ Penicillins
2. ✗ Cephalosporins
3. ✓ Aminoglycosides
4. ✗ Quinolones

**Question id : 7929 Question Type : MCQ**

N-acetyl-P-benzoquinone imine, a metabolite of paracetamol causes

**Options :**

1. ✗ Gastric irritation
2. ✓ Hepatic necrosis
3. ✗ Constipation
4. ✗ Peripheral neuropathy

**Question id : 7930 Question Type : MCQ**

The time a drug takes to reach an effective concentration or steady state level depends on its

**Options :**

1. ✗ Plasma protein binding
2. ✗ Plasma concentration in circulation
3. ✓ Rate of elimination from the body
4. ✗ Rate of absorption in the body.

**Question id : 7931 Question Type : MCQ**

The mechanism of action of Rosiglitazone is that it

**Options :**

1. ✓ Activates peroxisome proliferator activated receptor.
2. ✗ Blocks potassium sensitive ATP channels.
3. ✗ Inhibits  $\alpha$ -glucosidase enzyme
4. ✗ Inhibits protein kinase C

**Question id : 7932 Question Type : MCQ**

Diazepam is a drug of choice used in the management of

**Options :**

1. ✗ Insomnia
2. ✗ Schizophrenia
3. ✓ Status epilepticus
4. ✗ Narcolepsy

**Question id : 7933 Question Type : MCQ**

An opoidal drug that lacks analgesic activity and is used to control diarrhoea is

**Options :**

1. ✖ Naltrixone
2. ✖ Pethidine
3. ✖ Buprenorphine
4. ✔ Loperamide

**Question id : 7934 Question Type : MCQ**

The mechanism of action of Doxorubicin is

**Options :**

1. ✖ It inhibits DNA polymerase
2. ✔ It stabilizes DNA-Topoisomerase-II
3. ✖ It interferes with regeneration of lipid carrier by blocking its phosphorylation.
4. ✖ It disrupts microtubule function.

**Question id : 7935 Question Type : MCQ**

A polyene macrolide antibiotic, used against Candida infections is

**Options :**

1. ✖ Fluconazole
2. ✖ Terbinafine
3. ✔ Nystatin
4. ✖ Rifampicin

**Question id : 7936 Question Type : MCQ**

Widely used antidote for treating poisoning by heavy metals is Dimercapol. In which way does it act?

**Options :**

1. ✖ It neutralizes in stomach, thus prevent spreading in body
2. ✖ It adsorbs heavy metals on its surface
3. ✖ It eliminates heavy metals from the body early.
4. ✔ It chelates them and makes them biologically inactive.

**Question id : 7937 Question Type : MCQ**

The compound which is obtained from streptomyces species and used for treatment of Iron poisoning is

**Options :**

1. ✖ Ethylene diamine tetra-acetic acid (Edta)
2. ✖ Penicillamine
3. ✔ Desferrioxamine
4. ✖ BAL (British Anti-Leuiste)

**Question id : 7938 Question Type : MCQ**

The ability to stimulate insulin secretion is not associated with one of the following drugs, which is that drug ?

**Options :**

1. ✔ Metformin
2. ✖ Glipizide
3. ✖ Tolbutamide
4. ✖ Nateglinide

**Question id : 7939 Question Type : MCQ**

The antifungal agent that inhibits squalene epoxidase is

Options :

1. ✖ Flucytosine
2. ✔ Terbinafine
3. ✖ Fluconazole
4. ✖ Amphotericin - B

Question id : 7940 Question Type : MCQ

The chelating agent used for removal of toxic levels of Iron is

Options :

1. ✖ Disodium edetate
2. ✖ Dimercapol
3. ✖ Succimer
4. ✔ Deferoxamine

Question id : 7941 Question Type : MCQ

The anti-depressant which selectively inhibits reuptake of both serotonin and nor-adrenaline is

Options :

1. ✖ Bupropion
2. ✖ Fluoxetine
3. ✔ Venlafaxin
4. ✖ Sertraline

Question id : 7942 Question Type : MCQ

The antidote BAL is used to reduce toxicity of

Options :

1. ✖ Iron
2. ✖ Pesticides
3. ✖ Barbiturates
4. ✔ Mercury

Question id : 7943 Question Type : MCQ

Dry heat is often used to sterilize

Options :

1. ✖ Bacterial media
2. ✖ Saline solution
3. ✔ Oily materials
4. ✖ Hospital blankets

Question id : 7944 Question Type : MCQ

Phenol coefficient of germicide/disinfectant indicates

Options :

1. ✔ Efficiency of disinfectant
2. ✖ Dilution of disinfectant
3. ✖ Quantity of disinfectant
4. ✖ Purity of disinfectant



**Question id : 7945 Question Type : MCQ**

Indol Test is given positive by

- (a) Escherichia coli
- (b) Klebsiella Pneumoniae
- (c) Enterobacter aerogens
- (d) Proteus vulgaris

**Options :**

- 1. ✓ a,d
- 2. ✗ b,c
- 3. ✗ a,b,d
- 4. ✗ a,c

**Question id : 7946 Question Type : MCQ**

LAL test can detect

**Options :**

- 1. ✓ Endotoxin
- 2. ✗ Exotoxin
- 3. ✗ Enterotoxin
- 4. ✗ Neurotoxin

**Question id : 7947 Question Type : MCQ**

During the window period of patient with HIV infection or AIDS following tests are carried out

- (a) ELISA
- (b) Western blot

Which of the following statements is true about these tests?

**Options :**

- 1. ✗ ELISA negative
- 2. ✗ Western blot negative
- 3. ✗ ELISA positive and Western blot is negative
- 4. ✓ ELISA negative and Western blot is also negative

**Question id : 7948 Question Type : MCQ**

The drug penicillin inhibits

**Options :**

- 1. ✓ Cell wall synthesis
- 2. ✗ Protein synthesis
- 3. ✗ DNA /RNA replications
- 4. ✗ Blocks metabolic pathways.

**Question id : 7949 Question Type : MCQ**

Biological oxygen demand (BOD) measures

**Options :**

- 1. ✓ The amount of oxidizable organic matter present in water body
- 2. ✗ The amount of oxygen dissolved in water, air and soil.
- 3. ✗ The amount of total inorganic matter present in water body
- 4. ✗ The amount of organic and inorganic matter present in water body.

**Question id : 7950 Question Type : MCQ**

The scarlet fever

- (a) is caused by streptococcus pyogenes.
- (b) is caused by enteric viruses
- (c) is caused by respiratory viruses.
- (d) causes fever with rose spot formation

Options :

- 1. ✗ a,b,c
- 2. ✓ a,d
- 3. ✗ a,c
- 4. ✗ b,c

Question id : 7951 Question Type : MCQ

During isolation of pathogenic microorganism heating and subsequent plating is a method used for isolation of .....

Options :

- 1. ✗ Corynebacterium
- 2. ✗ Vibrio
- 3. ✗ Salmonella
- 4. ✓ Clostridia

Question id : 7952 Question Type : MCQ

Endoagar contains

- (a) Saffranin
- (b) Phenol red
- (c) Basic fuchsin
- (d) Neutral red

Options :

- 1. ✗ c,a
- 2. ✓ only c
- 3. ✗ b,d
- 4. ✗ only a

Question id : 7953 Question Type : MCQ

A fastidious organism must be grown on

Options :

- 1. ✗ Synthetic medium
- 2. ✗ differential medium
- 3. ✗ general purpose medium
- 4. ✓ enriched medium

Question id : 7954 Question Type : MCQ

Inclusion bodies known as .....are observed in case of polio virus infection

Options :

- 1. ✗ Cowdry type A bodies
- 2. ✓ Cowdry type B bodies
- 3. ✗ bollinger bodies
- 4. ✗ Negri bodies.

Question id : 7955 Question Type : MCQ

Test organism used in the bioassay of vitamin B12 is .....

Options :

1. ✓ Escherichia coli 113D
2. ✗ Escherichia coli 331D
3. ✗ Bacillus subtilis 113P
4. ✗ Bacillus subtilis 331P

Question id : 7956 Question Type : MCQ

..... Is generally the least accurate method for microbial counts.

Options :

1. ✗ The spread plate-count method
2. ✗ The membrane filtration method
3. ✓ The most probable number (MPN) method
4. ✗ The pour plate-count method

Question id : 7957 Question Type : MCQ

Pyrogens are compounds which cause -

- (a) increase in body temperature
- (b) pus formation
- (c) decrease in acidity
- (d) rashes over body

Options :

1. ✓ only a
2. ✗ b,c
3. ✗ a,b,c
4. ✗ only d

Question id : 7958 Question Type : MCQ

Which of the following are not essential amino acids

- (a) Threonine
- (b) Tryptophan
- (c) Tyrosine
- (d) Glutamine

Options :

1. ✗ a and b
2. ✗ b and c
3. ✗ a and c
4. ✓ c and d

Question id : 7959 Question Type : MCQ

Which of the following statements are true?

- (a) T.B. and Polio vaccines are of attenuated type.
- (b) Diphtheria and tetanus vaccines are inactivated endotoxins.
- (c) Cholera and plague vaccines are of inactivated type.

Options :

1. ✗ a and b
2. ✗ b and c
3. ✓ a,b,c
4. ✗ None of the above

Question id : 7960 Question Type : MCQ (Correct + 2.0 , Wrong - 0.0)

The conversion of fructose-1, 6-bisphosphate to glyceraldehyde-3-phosphate is catalyzed by

- (a) Phosphofructo kinase
- (b) Aldolase
- (c) Enolase
- (d) Glyceraldehyde 3- phosphate dehydrogenase

Options :

- 1. ✗ a,b,c
- 2. ✗ a and b
- 3. ✗ only c
- 4. ✓ only d

Question id : 7961 Question Type : MCQ

Zymogens are inactive forms of

- (a) Proteins
- (b) Lipids
- (c) Enzymes
- (d) Genes

Options :

- 1. ✗ a,b,c
- 2. ✗ a,b,d
- 3. ✗ only d
- 4. ✓ only c

Question id : 7962 Question Type : MCQ

Consider the following :

- (a) Rose water test
- (b) Mantoux test
- (c) Coombs test
- (d) Tine test

Which of the above tests are performed to detect immunity /susceptibility to T.B.

Options :

- 1. ✗ a and c
- 2. ✓ b and d
- 3. ✗ a,c and d
- 4. ✗ a,b,c and d

Question id : 7963 Question Type : MCQ

Match the following :

Fatty acid	Number of double bonds
a) oleic acid	(i) 4
b) Linolenic acid	(ii) 2
c) Linoleic acid	(iii) 3
d) Arachidonic acid	(iv) 1

Options :

- 1. ✗ (a) (b) (c) (d)  
(iv) (i) (ii) (iii)
- 2. ✗ (a) (b) (c) (d)  
(iv) (iii) (i) (ii)

3. ✗ (a) (b) (c) (d)  
(iii) (iv) (ii) (i)

4. ✓ (a) (b) (c) (d)  
(iv) (iii) (ii) (i)

**Question id : 7964 Question Type : MCQ**

Isomers that are non super imposable mirror images of each other are called

**Options :**

1. ✓ Enantiomers
2. ✗ Conformational isomers
3. ✗ Diastereomers
4. ✗ Constitutional Isomers

**Question id : 7965 Question Type : MCQ**

Which of the following statements are correct

- (a) Dextro isomers of morphine are analgesic and Laevo isomers are cough suppressant.
- (b) S-isomer of Bupivacaine shows more cardio toxic response than the R-isomer
- (c) Ascorbic acids antiscorbutic activity is due to the (-) isomer.
- (d) R-Verapanil undergoes rapid metabolism by first pass effect.

**Options :**

1. ✗ a,b,c & d
2. ✗ only c
3. ✗ only b and d
4. ✓ a,b,c and d are all incorrect

**Question id : 7966 Question Type : MCQ**

Match the following antibiotics with the organism from which they are obtained.

1. Streptomycin (a) Streptomyces fradiae
2. Neomycin (b) Streptomyces venezuelae
3. Chloramphenicol (c) Streptomyces Mediterranci
4. Rifampicin (d) Streptomyces griseus.

**Options :**

1. ✗ 1-a, 2-c, 3-d, 4-b
2. ✓ 1-d, 2-a, 3-b, 4-c
3. ✗ 1-a, 2-b, 3-c, 4-d
4. ✗ 1-b, 2-d, 3-c, 4-a

**Question id : 7967 Question Type : MCQ**

The medium for production of Benzyl Penicillin by the fermentation method includes

**Options :**

1. ✓ CSL, CaCO<sub>3</sub>, Magnesium, sulphate, phosphate, potassium and trace metals
2. ✗ Soya bean meal, sodium chloride, glucose, trace metals
3. ✗ CSL, Sulphate, Phosphate, Sucrose, Potassium
4. ✗ CSL, CaCO<sub>3</sub>, Sodium chloride, glucose, Phosphate and trace metals.

**Question id : 7968 Question Type : MCQ**

As per I.P. the dispersion obtained when dispersible tablets are added to water, must pass through a sieve with nominal mesh aperture of

**Options :**

1. ✓ 710  $\mu$ m

- 2. ✖ 250  $\mu\text{m}$
- 3. ✖ 425  $\mu\text{m}$
- 4. ✖ 510  $\mu\text{m}$

**Question id : 7969 Question Type : MCQ**

Empty gelatin capsules of size 4 have a fill volume of

**Options :**

- 1. ✔ 0.25 ml
- 2. ✖ 0.35 ml
- 3. ✖ 0.30 ml
- 4. ✖ 0.15 ml

**Question id : 7970 Question Type : MCQ**

Diazonium ions are

**Options :**

- 1. ✔ Weakly electrophilic
- 2. ✖ Strongly electrophilic
- 3. ✖ Weakly nucleophilic
- 4. ✖ Strongly nucleophilic

**Question id : 7971 Question Type : MCQ**

In dry powder inhalation products, lactose is used as

- (a) Filler
- (b) Thinner
- (c) Carrier
- (d) None of the above

**Options :**

- 1. ✖ a and b
- 2. ✖ a and c
- 3. ✔ c only
- 4. ✖ d only

**Question id : 7972 Question Type : MCQ**

Polydimethylsiloxane - silicon di-oxide, an anti-foaming agent, is used at levels of

**Options :**

- 1. ✖ 0.1 - 0.5 ppm
- 2. ✔ 1 - 50 ppm
- 3. ✖ 100-200 ppm
- 4. ✖ 1000 - 2000 ppm

**Question id : 7973 Question Type : MCQ**

Which of the following tests are described for sutures and ligatures in BPC?

- a) Sterility test
- b) Gauge test
- c) Hardness test
- d) Tensile strength test

**Options :**

- 1. ✖ a and c
- 2. ✖ b and d

3. ✓ a,b and d

4. ✗ a,b,c and d

**Question id : 7974 Question Type : MCQ**

Consider the following :

- (a) Silkworm gut
- (b) Brocafil
- (c) Horse hair
- (d) Stainless steel suture

Which of the above are type of Non absorbable sutures.

**Options :**

1. ✗ (a) and (b)

2. ✗ (c) and (d)

3. ✗ only (b)

4. ✓ (a),(c) and (d)

**Question id : 7975 Question Type : MCQ**

Violin gut is tanned or hardened by soaking in solution of

- (a) Alkaline medium
- (b) Acidic medium
- (c) Neutral medium
- (d) Chromium salt

**Options :**

1. ✗ (a) only

2. ✗ (b) and (c) only

3. ✓ only (d)

4. ✗ None of the above

**Question id : 7976 Question Type : MCQ**

Catgut can not be sterilized by

- (a) Heat
- (b) X-ray
- (c) Ionizing radiation
- (d) Chemicals

**Options :**

1. ✗ (a) only

2. ✓ (b) only

3. ✗ (a) and (b)

4. ✗ (a),(b),(c) and (d)

**Question id : 7977 Question Type : MCQ**

Which of the following is/are used for preservation of catgut

- (a) 10% paraffin
- (b) 90% paraffin
- (c) 10% IPA
- (d) 90% IPA

**Options :**

1. ✓ only (d)

2. ✗ only (c)

3. ✗ (b) and (d)

4. ✗ (a) and (c)

**Question id : 7978 Question Type : MCQ**

Documents seized by a Drug Inspector during search of a place where he believes an offence has been, or is being committed are

**Options :**

- ✗ returned immediately to the person from whom they were taken
- ✗ returned when court proceedings are completed
- ✓ returned within twenty days of seizure
- ✗ returned within sixty days of seizure.

**Question id : 7979 Question Type : MCQ**

The report of a Government Analyst is

**Options :**

- ✗ always conclusive evidence of the facts stated therein
- ✓ conclusive evidence unless notified by the person from whom the sample was taken that he intends to adduce the evidence in contravention of the report
- ✗ never conclusive evidence of the facts stated therein
- ✗ Conclusive evidence only when validated by the Drug Inspector.

**Question id : 7980 Question Type : MCQ**

Which of the following statements is incorrect for when the Drug Inspector takes a sample of a cosmetic during search of a premises for sale of a cosmetic.

**Options :**

- ✗ He divides it into four portions out of which one is sent to CDL
- ✓ He divides it into four portions out of which one is sent to Government Analyst.
- ✗ He divides it into three portions out of which one is sent to Government Analyst
- ✗ He sends the entire sample to CDL

**Question id : 7981 Question Type : MCQ**

The data required to be submitted for permission to market a new drug includes

- (a) Specifications of inactive materials
- (b) Dissolution studies
- (c) Long term animal toxicity
- (d) Pharmacokinetics in humans

**Options :**

- ✗ (d) only
- ✗ (c) and (d) only
- ✗ (b), (c) & (d) only
- ✓ (a), (b), (c) and (d)

**Question id : 7982 Question Type : MCQ**

Master formula records as per schedule 'M' of Drugs and Cosmetics Rules, 1945 includes which of the following?

- (a) cleaning, assembling, calibrating equipment
- (b) substances that may "disappear" during processing
- (c) product recalls
- (d) details of any deviations from the Master Formula

**Options :**

- ✗ (a), (b), (c) & (d)
- ✗ (a), (b) & (d) only



3. ✓ (a) and (b) only  
4. ✗ (b), (c) and (d) only

**Question id : 7983 Question Type : MCQ**

Consider the following statements for "Standards" as per the Drugs and Cosmetics Act 1940

- (a) Standards for Ophthalmic preparations are laid down in schedule F(11)  
(b) Standards for Medical Devices are laid down in schedule S  
(c) Standards for drugs specified in previous editions of I.P. (not the one in force) need not be complied with  
(d) Standards for patent and proprietary medicines are given in schedule V

**Options :**

1. ✓ only (d) is correct  
2. ✗ (b), (c) and (d) are correct  
3. ✗ (a) & (b) only are correct  
4. ✗ (a), (b), (c) and (d) are correct

**Question id : 7984 Question Type : MCQ**

An adulterated drug which does not cause grievous hurt is punishable with

- (a) imprisonment not less than one year  
(b) imprisonment up to three years  
(c) fine not less than Rs. 5000/-  
(d) imprisonment not less than one year which may extend to three years

**Options :**

1. ✗ (a) alone  
2. ✗ (a) & (b) alone  
3. ✓ (c) & (d) alone  
4. ✗ (d) alone

**Question id : 7985 Question Type : MCQ**

As per the Federal Food, Drugs and Cosmetics Act (1938), an "Adulterated Food" means

- (a) an irradiated food.  
(b) food containing poisonous additives  
(c) food which has been prepared, packed or held under unsanitary conditions  
(d) None of the above

**Options :**

1. ✗ (a) only  
2. ✗ (b) and (c) only  
3. ✗ (d) only  
4. ✓ (a), (b) and (c)

**Question id : 7986 Question Type : MCQ**

Schedule M provides details of

- (a) company premises.  
(b) cleaning of equipments.  
(c) house keeping.  
(d) none of the above

**Options :**

1. ✗ (a) only  
2. ✗ (b) and (c)  
3. ✓ (a), (b) and (c)  
4. ✗ (d) only

**Question id : 7987 Question Type : MCQ**

The requirements and guidelines for the permission to import and/or manufacture new drug for sale are available with

**Options :**

- ✗ Schedule M
- ✓ Schedule Y
- ✗ Schedule U
- ✗ None of the above

**Question id : 7988 Question Type : MCQ**

Following are the programs under National Nutritional Program

- Integrated Child Development Services Scheme.
- National Iodine Deficiency Disorders Control Program.
- Food and Health schemes.
- 20 point program.

**Options :**

- ✗ (a) only
- ✓ (a) & (b) only
- ✗ (a), (b) and (c) only
- ✗ (a), (b) and (d) only

**Question id : 7989 Question Type : MCQ**

DPCO is issued under which Act?

**Options :**

- ✗ Drugs and Cosmetics Act
- ✓ Essential Commodities Act
- ✗ Patent Act
- ✗ RTI Act

**Question id : 7990 Question Type : MCQ**

"Illicit traffic" in relation to narcotic and psychotropic substances means

- Cultivating any coca plant or gathering any portion of coca plant
- Cultivating opium poppy or any other cannabis plant
- Selling of metoprolol Tartarate
- Importing Monteleukast

**Options :**

- ✗ (a) only
- ✓ (a) and (b) only
- ✗ (a), (b) and (c)
- ✗ (a), (b) and (d)

**Question id : 7991 Question Type : MCQ**

The ground for rejecting an RTI application can be

- covered by exemption from disclosure
- Infringes copyright of any other person
- Very old data
- Data from private sector

**Options :**

- ✓ (a) and (b)
- ✗ (a), (b) and (c)

3. ✖ (a),(b),(d)
4. ✖ All the above

**Question id : 7992 Question Type : MCQ**

What is a Central Drug Authority?

- (a) DCGI
- (b) DGHS
- (c) Drug Inspector
- (d) Independent office under the Ministry of Health and Family welfare

**Options :**

1. ✖ (a) only
2. ✖ (a) & (b) only
3. ✖ (a) & (c) only
4. ✔ (d) only

**Question id : 7993 Question Type : MCQ**

Analysis of samples of sera, serum proteins, vaccines, toxins, Antigens shall be carried out at

**Options :**

1. ✔ Central Research Institute, Kasauli
2. ✖ Pasteur Institute of India, Conoor
3. ✖ Central Drug Testing Laboratory, Thane
4. ✖ National Institute of Biologicals, Noida.

**Question id : 7994 Question Type : MCQ**

Act responsible for regulation of Nutraceuticals in India is :-

**Options :**

1. ✖ State Food and Drug Administration
2. ✖ Food with nutrient function claims
3. ✔ Food safety and standard Act
4. ✖ Food for specified health use.

**Question id : 7995 Question Type : MCQ**

Which of the following antioxidants belong to the category of nutraceuticals that are obtained naturally?

- (a) Vitamin C & Ferulic acid
- (b) Naringin and Taxifolin
- (c) Deiphinidin and Liquiritin
- (d) Caffeic acid and B caratine

**Options :**

1. ✖ only (a)
2. ✖ (a) and (b) only
3. ✖ (c) and (d)
4. ✔ All the above

**Question id : 7996 Question Type : MCQ**

The drugs and magic Remedies objectionable Advertisement Act regulates followings

- (a) Advertisements of some drugs.
- (b) Advertisements of all drugs.
- (c) Advertisement of magic remedies.
- (d) Advertisement of drugs belonging to CNS acting drugs

**Options :**

1. ✖ only (b)
2. ✖ (a) and (c)
3. ✔ (a), (c) and (d)
4. ✖ All of above

**Question id : 7997 Question Type : MCQ**

For import of Drugs specified in the "Schedule X a license in which form will a licence be required?

**Options :**

1. ✖ Form - 10
2. ✔ Form - 10 A
3. ✖ Form 10 -B
4. ✖ Form - 8

**Question id : 7998 Question Type : MCQ**

The functions of Central Drugs Laboratory, Kolkata include :

- (a) Appellate authority in matters of dispute in matters related to quality of drugs
- (b) Preparation and standardization of I.P. reference standards.
- (c) Analytical research in standardization and methodology development for drugs

**Options :**

1. ✖ (a) only
2. ✖ (b) only
3. ✔ (a), (b) and (c)
4. ✖ (a) and (c) only

**Question id : 7999 Question Type : MCQ**

According to WHO GMP guidelines manufacture of pharmaceutical products should ensure that

- (a) Managerial responsibilities are clearly specified in job description
- (b) Finished product is correctly processed according to defined procedures.
- (c) Deviations are reported, investigated and reported.
- (d) There is a system for approving changes that may impact quality

**Options :**

1. ✖ (a) and (b)
2. ✖ (a) and (c)
3. ✖ (a) and (d)
4. ✔ All the above

**Question id : 8000 Question Type : MCQ**

Jan Aushadhi, initiated by Department of Pharmaceuticals has which of the following participating organizations?

- (a) AIIMS
- (b) Hindustan Antibiotics Ltd.,
- (c) CMC, Vellore
- (d) Indian Drugs and Pharmaceuticals Ltd.

**Options :**

1. ✔ (b) and (d) only
2. ✖ (a), (b), (c) and (d)
3. ✖ (a) and (b) only
4. ✖ (a) and (c) only

**Question id : 8001 Question Type : MCQ**

According to Consumer Protection Act 1986 the term "appropriate laboratory" can be defined by one or more than one of the following mentioned means

- (a) Recognized by the Central Government.
- (b) Recognized by a State Government, subject to such guidelines as may be prescribed by Central Government in this behalf.
- (c) Recognized by WHO
- (d) Recognized by AICTE.

Options :

- 1. ✖ (a) and (c)
- 2. ✔ (a) and (b)
- 3. ✖ (b) and (d)
- 4. ✖ only (b)

Question id : 8002 Question Type : MCQ

Out of the following statements one or more than one is/are correct to explain the meaning of 'unfair trade practice' as per Consumer Protection Act

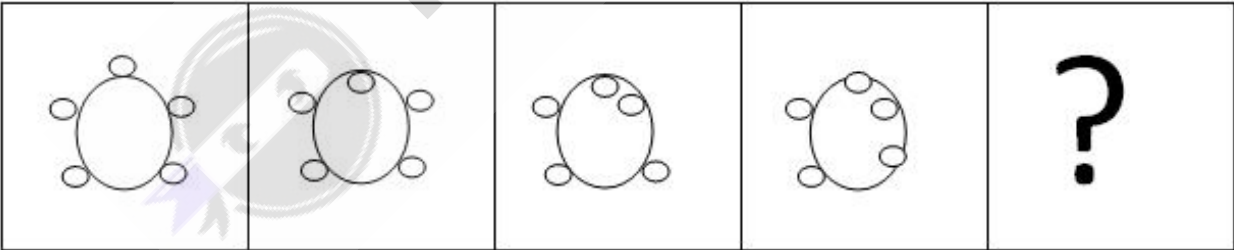
- (a) It is a practice which for the purpose of promoting the sale, uses or supplies of any goods adopt any unfair method.
- (b) Practice which falsely represents that the services are of a particular standard quality or grade
- (c) Represents any rebuilt, second hand, renovated, reconditioned or old goods as new goods.
- (d) Makes a false or misleading representation concerning the need for or the usefulness of any goods or services

Options :

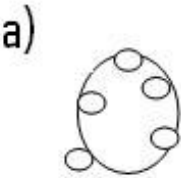
- 1. ✖ only (a)
- 2. ✖ (b) and (c)
- 3. ✖ (b), (c) and (d)
- 4. ✔ all of above

Question id : 8003 Question Type : MCQ

A figure series is given with a blank space shown by (?). Select the suitable figure from the given alternatives, which will continue the series.



Options :



- 1. ✖

b)



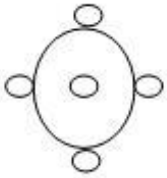
2. ✖

c)



3. ✔

d)



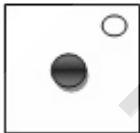
4. ✖

Question id : 8004 Question Type : MCQ

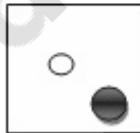
Out of the four given figures three are the similar in some way. One figure is not like the others. Choose the figure which is different from the rest.



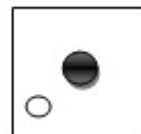
A



B



C



D

Options :

1. ✖ A

2. ✖ B

3. ✔ C

4. ✖ D

Question id : 8005 Question Type : MCQ

A local train from Panvel leaves after every forty minutes from the Railway Station. An enquiry clerk told a passenger that the train had already left five minutes ago and the next train will leave at 5.45 P.M. At what time did the enquiry clerk give this information to the passenger?

Options :

1. ✖ 5.40 P.M.

2. ✖ 5.15 P.M.

3. ✖ 5.35 P.M.

Question id : 8006 Question Type : MCQ

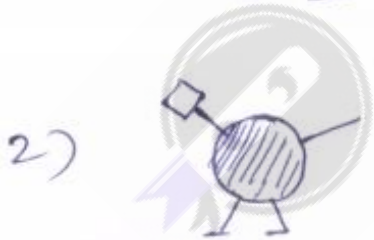
Observe the figures. Select a figure from the given alternatives, which will fit in place of (?) appropriately.



Options :



1. ✗



2. ✗



3. ✗



4. ✓



**Question id : 8007 Question Type : MCQ**

Seven books of seven different subjects are placed one above the other in the following manner -

- i) The book of English, is below the book of Hindi and above the book of geography.
- ii) The book of science, is below the book of Mathematics and above the book of History.
- iii) The book of History is between the books of Geography and Commerce.
- iv) The book of Mathematics, is between the books of Hindi and English.
- v) The book of science is just above the book of Geography.

Which book will be exactly at the centre?

**Options :**

- 1. ✖ English
- 2. ✔ Science
- 3. ✖ Geography
- 4. ✖ History

**Question id : 8008 Question Type : MCQ**

An interview was scheduled at certain time. Personal Assistant arrived at 10.40 AM that is 35 minutes earlier than Chairperson. Chairperson was late for interview by 25 minutes. What was the scheduled time of the interview ?

**Options :**

- 1. ✔ 10.50 AM
- 2. ✖ 11.15 AM
- 3. ✖ 11.05 AM
- 4. ✖ 11.10 AM

**Question id : 8009 Question Type : MCQ**

There are 81 cubes of equal volume. All cubes are of equal weight except one, which is heavier than the others. Which procedure would you adopt to separate the heavier cube from the rest earliest possible?

**Options :**

- 1. ✖ Record weights of all blocks.
- 2. ✖ Make 9 groups each having 9 blocks and compare their weights. Then compare weights of each block of heavy group.
- 3. ✖ Make 3 groups each having 27 blocks and compare their weights. Then compare weights of each block of heavy group.
- 4. ✔ Compare weights by making 3 groups of 27 blocks each to begin with. Divide the group with heavy block into 3 groups of 9 blocks each and separate heavy group. Divide this into 3 groups each having 3 blocks and separate heavy group. Finally compare weights of 3 blocks to separate heavy block.

**Question id : 8010 Question Type : MCQ**

There is some relationship between the two terms, to the left of :: the same relationship is between the two terms, to the right of :: Out of these four terms, one is missing, shown by (?). This missing term is given as one of the alternatives. Find it.

C 4 F 7 : I 10 L 13 --- K 12 N 15 : ?

**Options :**

- 1. ✖ R 18 U 21
- 2. ✖ O 15 R 18
- 3. ✔ Q 18 T 21
- 4. ✖ Q 17 T 20

**Question id : 8011 Question Type : MCQ**



Which of the alternative/s are appropriate to fill in the blanks

A cuboid-shaped container measures 0.5 m, 0.8 m, and 0.25 m. It would need to be used 40 times to fill the tank having 4 cubic m capacity.

This is ----- because -----

(a) true; it is time consuming to fill the tank using small container.

(b) true; 40 times the capacity of given container is equal to 4 cubic m.

(c) true; capacity of cuboid-shaped container is 0.1 cubic m. 40 times this capacity equals 4 cubic m.

(d) true; 4 cubic m divided by 0.1 cubic m is 40.

**Options :**

1. ✖ All alternatives are correct

2. ✖ Only (b) and (c) are correct

3. ✔ 1st is irrelevant and all others are appropriate.

4. ✖ Only (b) and (d) appear to be appropriate

**Question id : 8012 Question Type : MCQ**

In a row of 50 students, M is 8th from left and H is 20th from right. How many students are there between M and H?

**Options :**

1. ✔ 22

2. ✖ 23

3. ✖ 24

4. ✖ 21



**Question id : 7960 Question Type : MCQ [Cancelled Question]**

The conversion of fructose-1, 6-bisphosphate to glyceraldehyde-3-phosphate is catalyzed by

- (a) Phosphofructo kinase
- (b) Aldolase
- (c) Enolase
- (d) Glyceraldehyde 3- phosphate dehydrogenase

**Options :**

- 1. ✖ a,b,c
- 2. ✖ a and b
- 3. ✖ only c
- 4. ✔ only d

**Question id : 7961 Question Type : MCQ (Correct + 2.0 , Wrong - 0.0)**

Zymogens are inactive forms of

- (a) Proteins
- (b) Lipids
- (c) Enzymes
- (d) Genes

**Options :**

- 1. ✖ a,b,c
- 2. ✖ a,b,d
- 3. ✖ only d
- 4. ✔ only c

**Question id : 7962 Question Type : MCQ (Correct + 2.0 , Wrong - 0.0)**

Consider the following :

- (a) Rose water test
- (b) Mantoux test
- (c) Coombs test
- (d) Tine test

Which of the above tests are performed to detect immunity /susceptibility to T.B.

**Options :**

- 1. ✖ a and c
- 2. ✔ b and d
- 3. ✖ a,c and d
- 4. ✖ a,b,c and d

**Question id : 7963 Question Type : MCQ (Correct + 2.0 , Wrong - 0.0)**

Match the following :

Fatty acid	Number of double bonds
a) oleic acid	(i) 4
b) Linolenic acid	(ii) 2
c) Linoleic acid	(iii) 3
d) Arachidonic acid	(iv) 1

**Options :**

- 1. ✖ (a) (b) (c) (d)  
(iv) (i) (ii) (iii)
- 2. ✖ (a) (b) (c) (d)  
(iv) (iii) (i) (ii)