

Section 1 - Section 1**Question No.1**

4.00

Bookmark

Study the following information carefully and answer the question below it

In a family, Isha is the granddaughter of Asha. Deepa is the mother of Hansa. Charan is the son of Anand. Radha is the mother of Isha. Deepa is the sister of Vinod and Charan. Nagesh has two children, Gita and Hansa. Emesh is the only grandson in the family. Charan is not married. Radha is the daughter-in-law of Anand.

Who is married to Radha?

- Anand
- Charan
- Nagesh
- Vinod

Question No.2

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Bookmark

SARS virus is a

- Coronavirus
- Rhinovirus
- Enterovirus
- Flavivirus

Question No.3

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Bookmark

One virus prevents multiplication of another virus, this phenomena is known as—

- Interference
- Supervision
- Permutation
- Mutation

Question No.4

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Bookmark

A 32 year old woman became ill four days after the onset of her menstrual period. She presented with fever (104°F), elevated WBC count (16000/cu. mm) rashes on her trunk and extremities. She complained of fatigue, vomiting and diarrhea. She had recently eaten at a fast food restaurant, but otherwise had prepared all her meals at home. She had retained a tampon. Diagnosis

- Staphylococcal scaled skin syndrome
- Chicken pox
- Toxic shock syndrome
- Staphylococcal food poisoning

Question No.5

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Bookmark

Daisy head appearance of colonies on Tellurite Blood agar is characteristic of

- Gravis biotype of C. diphtheriae*
- B. anthracis*
- B. subtilis*
- Mitis biotype of C. diphtheriae*

Question No.6

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White piedra is caused by

- Trichosporon
- Epidermophyton
- Piedraia hortae
- Trichophyton

Question No.7

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Bookmark

Rheumatoid factor is an antibody directed against Fc fragment of

- IgG
- IgM
- IgD
- IgA

Question No.8

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Bookmark

which of the following is not a superficial fungal disease

- Tineanigra
- Dermatophytosis
- Pityriasisversicolor
- Mucormycosis

Question No.9

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Bookmark

T.brucei exists in vertebrate host in

- Trypomastigote form
- Promastigote form
- Amastigote form
- Epimastigote form

Question No.10

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A pregnant lady is diagnosed with primary syphilis. She is allergic to penicillin. Treatment is

- Tetracycline 500 mg qid for 2 weeks
- Ceftriaxone 2 g IV single dose
- Desensitization and Penicillin treatment
- Doxycycline 100 mg bd for 2 weeks

Question No.11

4.00

Bookmark

Choose the synonym of the italicized word.

Some people are extremely *fastidious* in their choice of dress.

- discriminating
- fussy
- pompous
- careless

Question No.12

4.00

Bookmark

Transport medium for Streptococcus is

- Amie's
- Pike's
- Stuart's
- Alkaline peptone water

Question No.13

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Bookmark

The pathogenic species of genus Trichomonas species is

- T.tenax*
- None
- T.hominis*
- T.vaginalis*

Question No.14

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Bookmark

An elderly alcoholic male develops a severe, necrotizing lobar pneumonia. The organism is lactose positive and produces a luxuriant capsule. The agent is

- Streptococcus pneumoniae*
- Klebsiella pneumoniae*
- Yersinia pseudotuberculosis*
- Pseudomonas aeruginosa*

Question No.15

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Bookmark

Congenital syphilis can be best diagnosed by

- IgG FTA abs
- TPI
- VDRL
- IgM FTA abs

Question No.16

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Bookmark

The counter stain used in Z.N. stain is

- Gention Violet
- Safranin
- Corbol fuschin
- Methylene blue

Question No.17

4.00

Bookmark

Teniapedis is seen among

- Hospitalized people
- Those walking bare foot
- Those wearing socks and shoes
- People of cold countries

Question No.18

4.00

Bookmark

Stain used for Cryptococcus

- Giemsa
- Albert
- Indian ink
- Ziehl Neelsen

Question No.19

4.00

Bookmark

Organism causing antibiotic associated diarrhoea is

- B. cereus*
- V. parahaemolyticus*
- E. coli*
- Cl. difficile*

Question No.20

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Bookmark

Chinese letter arrangement is characteristic of

- Corynebacterium diphtheriae*
- Bacillus anthracis*
- Clostridium tetani*
- Mycobacterium tuberculosis*

Question No.21

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Bookmark

Which of the following bacterium is non invasive?

- S. pyogenes*
- N. meningitidis*
- V. cholerae*
- S. typhi*

Question No.22

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Bookmark

Largest protozoal parasite inhabiting large intestine of man is,

- E.nana*
- E.histolytica*
- E.coli*
- B.coli*

Question No.23

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Bookmark

The length of Echinococcus granulosus is :

- 3 – 6 mm
- 2 – 4 cm
- 5 – 10 m
- 2 – 3 m

Question No.24

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Bookmark

A patient presented to a STD clinic with painful genital ulcer and painful, soft, non-indurated enlarged inguinal lymph node, Identify the pathogen

- Herpes
- Calymmatobacter
- Treponema pallidum
- Haemophilus ducreyi

Question No.25

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– Kerion is caused by

- Streptococcus
- Dermatophytes
- Herpes
- Candida

Question No.26

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Specific Adoptive Chemotherapy has been attempted with

- Immune RNA
- Lymphocytes
- Transfer factor
- All of the above

Question No.27

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Nocardia resists decolourisation with

- 0.5 % sulphuric acid
- 10% sulphuric acid
- 20 % sulphuric acid
- 5 % sulphuric acid

Question No.28

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Flat segmented tape like helminthes belongs to

- Nematodes
- Cestodes
- Trematodes
- Pseudophyllidea

Question No.29

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Bookmark

If black is called white, white is called red, red is called pink, pink is called green, green is called blue, what would be the colour of human blood?

- Green
- Blue
- Pink
- White

Question No.30

4.00

Bookmark **Statement:** Be humble even after being victorious.**Assumptions:**

- I. Many people are humble after being victorious
 - II. Generally People are not humble
- If both I and II are implicit
 - If only assumption II is implicit
 - If only assumption I is implicit
 - If neither I nor II is implicit

Question No.31

4.00

Bookmark

Study the following information carefully and answer the question below it (i) There is a group of five persons- A, B, C, D and E (ii) One of them is manual scavenger, one is sweeper, one is watchman, one is human scarecrow and one is grave-digger (iii) Three of them – A, C and grave-digger prefer tea to coffee and two of them – B and the watchman prefer coffee to tea (iv) The human scarecrow and D and A are friends to one another but two of these prefer coffee to tea. (v) The manual scavenger is C's brother Which of the following groups includes a person who likes tea but is not a grave-digger?

- BD
- DE
- BCE
- None of the above

Question No.32

4.00

Bookmark

Sunil likes chocolates very much, _____?

- does he
- isn't it?
- doesn't he?
- is it?

Question No.33

4.00

Bookmark

Statements: Buses are cars. Cycles are cars

Conclusion:

- I. Cars are buses
 - II. Buses are Cycles
- If only conclusion II follows
 - If either I or II follows
 - If only conclusion I follows
 - If neither I nor II follows

Question No.34

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Bookmark

You wouldn't tell them what happened, _____

- would you?
- isn't it?
- won't you?
- wouldn't you?

Question No.35

4.00

Bookmark

Which one of the following is a live vaccine?

- Sabin
- Salk
- TAB
- Human diploid cell rabies vaccine

Question No.36

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Bookmark

BCG vaccine is prepared by using one of the following bacterial strain

- M. bovis*
- M. smegmatis*
- M. tuberculosis*
- M. phlei*

Question No.37

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Bookmark

EF2 is inhibited by toxin of

- B. anthracis*
- V. cholera*
- C. diphtheriae*
- Cl. Tetani*

Question No.38

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The definitive host in *Taenia solium* is :

- Cow
- Man
- Dog
- Pig

Question No.39

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Bookmark

The method of mining silver varies from place to place, _____?

- does it?
- doesn't it?
- is it?
- isn't it?

Question No.40

4.00

Bookmark

Not a malignancy associated with AIDS

- Kaposi sarcoma
- Astrocytoma
- CNS lymphoma
- Non Hodgkins lymphoma

Question No.41

4.00

Bookmark

A resident doctor sustained a needle stick injury while sampling blood of the patient who is HIV positive. A decision is taken to offer him post exposure prophylaxis. Which one of the following would be the best recommendation

- Zidovudine + Lamivudine + Nevirapine for 4 weeks
- Zidovudine+Lamivudine for 4 weeks
- Zidovudine + Lamivudine + Nevirapine for 6 weeks
- Zidovudine +Lamivudine+Indinavir for 4 weeks

Question No.42

4.00

Bookmark

Liquid medium used for *M. tuberculosis*

- Dubo's medium
- Patragani medium
- Pawlowsky's medium
- IUAT medium

Question No.43

4.00

Bookmark

False about Ebola virus

- Incubation period is less than 48 hours
- Trasmission may occur from dead bodies
- Belongs to family filoviridae
- Contains single stranded RNA

Question No.44

4.00

Bookmark

Barrel shaped spores are seen in

- Candida
- Blastomyces
- Coccidioides
- Histoplasma

Question No.45

4.00

Bookmark

Catalase test is negative in

- Escherichia coli*
- Staphylococcus aureus*
- Streptococcus pneumoniae*
- Helicobacter pylori*

Question No.46

4.00

Bookmark

Anti HBs Ag positivity indicates

- Hepatitis B carrier
- Immunization
- Chronic infection
- Acute infection

Question No.47

4.00

Bookmark

Winter bottom's sign is seen in

- Oncoerciasis
- Filariasis
- Trypanosomiasis
- Actinomycosis

Question No.48

4.00

Bookmark

A fourteen year old boy is admitted with the h/o fever , icterus , conjunctival suffusion and hematuria for twenty days. Which of the following serological tests can be of diagnostic utility

- Paul Bunnell test
- Microscopic Agglutination test
- Widal test
- Microimmunofluorescence test

Question No.49

4.00

Bookmark

Study the following information carefully and answer the question below it:

Aasha, Bhuvnesh, Charan, Danesh, Ekta, Farhan, Ganesh and Himesh are sitting around a circle, facing the centre. Aasha sits fourth to the right of Himesh while second to the left of Farhan. Charan is not the neighbour of Farhan and Bhuvnesh. Danesh sits third to the right of Charan. Himesh never sits next to Ganesh.

Which is the position of Farhan with respect to Ekta?

- Sixth to the left
- Fourth to the right
- Second to the right
- Third to the left

Question No.50

4.00

Bookmark

Negri bodies are commonly seen in

- Cerebellum
- Hippocampus
- Mamillary bodies
- Cerebrum

Question No.51

4.00

Bookmark

In holder method of pasteurization, milk will be kept at :

- 72⁰C for 30 seconds
- 63⁰C for 60 minutes
- 72⁰C for 20 seconds
- 63⁰C for 30 minutes

Question No.52

4.00

Bookmark

NIH swab is used in peri anal scraping of :

- Ascaris lumbricoids*
- Nector americans*
- Trichuris trichura*
- Enterobius vermicularis*

Question No.53

4.00

Bookmark

Bacteriologic index 6 + is

- 1-10 bacilli/ field
- More than 1000 bacilli/field
- 100-1000 bacilli/field
- 10-100 bacilli/ field

Question No.54

4.00

Bookmark

In the window period of HIV infection

- Western blot is negative
- Both A and B are negative
- ELISA is negative
- PCR negative

Question No.55

4.00

Bookmark

Which one among the following is not an Systemic Autoimmune Disease

- Pernicious anemia
- Polyarteritis nodosa
- Rheumatoid arthritis
- Sjogren's syndrome

Question No.56

4.00

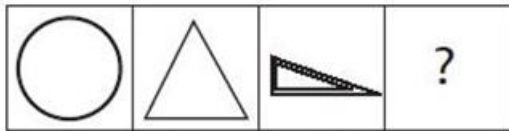
Bookmark

A 22 year old male presents with two week history of a sore on his penis which is firm, raised, red, non – tender chancre midway between the base and glans of the penis. The most appropriate investigation

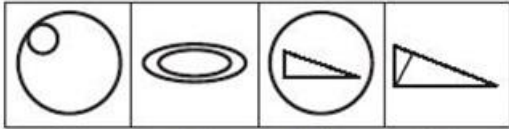
- Dark – field examination on a swab of the active lesion
- Swabbing and culture on Thayer – Martin medium
- Swabbing and culture on blood sugar
- Swabbing and Gram – staining

Question No.57

4.00

Bookmark 

A B C D



(1) (2) (3) (4)

- 2
 3
 4
 1

Question No.58

4.00

Bookmark

Choose the best antonym of the italicized word.
 The principal *deprecated* the attitude of some student-leaders.

- ignored
 appreciated
 derided
 tolerated

Question No.59

4.00

Bookmark

J-chain is present in

- IgG
 IgM
 IgE
 IgD

Question No.60

4.00

Bookmark

The filarial worm living in lymphatic system is :

- Loa loa*
 Wucheria bancrofti
 Onchocerca volvulus
 Mansonella perstans

Question No.61

4.00

Bookmark

Commonest clinical condition caused by Group B Streptococci is

- Infantile meningitis
 Urinary tract infection
 Infantile diarrhoea
 Acute rheumatic fever

Question No.62

4.00

Bookmark

Sereny's test is positive in

- EHEC
- ETEC
- EPEC
- EIEC

Question No.63

4.00

Bookmark

In the following question, the first two words (given in italics) have a definite relationship. Choose one word out of the given four alternatives which will fill the blank space and show the same relationship with the third word as between the first two.

Latex is to *Rubber* as *Flax* is to?.....

- Linen
- Jute
- Cotton
- Silk

Question No.64

4.00

Bookmark

Koch's postulates were demonstrated for the first time for ;

- Cl. tetany*
- C. diphtheriae*
- B.anthraxis*
- S. typhi*

Question No.65

4.00

Bookmark

Based on the information given answer the following question.

1. In a family of six persons, there are people from three generations. Each has separate professions and they like different colours. There are two couples.
2. Shyam is an Engineer and his wife is not a doctor and she does not like Red colour.
3. Chartered Accountant likes green colour and his wife is a teacher.
4. Manisha is the mother-in-law of Sunita and she likes orange colour.
5. Vimal is the grand father of Tarun and tarun is the Principal and likes black colour.
6. Nyna is the grand daughter of Manisha and she likes blue colour. Nyna's Mother likes white colour.

Which Colour is liked by the Sunita?

- White
- Black
- Green
- Cannot be determined

Question No.66

4.00

Bookmark

The commonly used screening test for HIV is

- Western blot test
- Rapid test
- VDRL test
- Weil-Felix test

Question No.67

4.00

Bookmark

1, 4, 27, 16, ?, 36, 343

- 72
- 125
- 25
- 132

Question No.68

4.00

Bookmark

One of the following organism exhibits swarming on blood agar;

- C. perfringens*
- C. difficile*
- C. tetani*
- C. botulinum.*

Question No.69

4.00

Bookmark

Choose the correct meaning of the italicized idiom.
The police *cordoned off* the area after the explosion.

- did not allow anyone to leave the area
- filled the whole area
- isolated the area
- checked everyone in the area

Question No.70

4.00

Bookmark

Cysticercuscellulosae is the larval form of

- Trichinellaspiralis
- Echinococcusmultilocularis
- Teniasaginata
- Teniasolium

Question No.71

4.00

Bookmark

Typing of Meningococci is based upon

- Endotoxins produced
- Pili
- Capsular polysaccharide
- Lipopolysaccharide

Question No.72

4.00

Bookmark

Which of the following exotoxin is highly toxic

- Botulinum
- Cholera
- Diphthria
- Tetanus

Question No.73

4.00

Bookmark

The most efficient complement fixing antibody class is

- Ig E
- Ig A
- Ig G
- Ig M

Question No.74

4.00

Bookmark

Occult Filariasis is caused by

- Loa Loa
- Mansonella ozzardi
- Hypersensitivity to filarial antigen
- Microfilaria in blood stream

Question No.75

4.00

Bookmark

Fill in the blank with the correct form of the verb.

The International Women's Day _____ with great enthusiasm by our university last month.

- was celebrated
- is celebrated
- celebrated
- has celebrated

Question No.76

4.00

Bookmark

Fungi that possess a capsule is

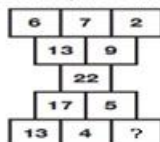
- Mucor
- Cryptococcus
- Aspergillus
- Candida

Question No.77

4.00

Bookmark

Which number replaces the question mark?



- 2
- 4
- 1
- 3

Question No.78

4.00

Bookmark

The construction and use of the compound microscope is attributed to:

- Robert Koch
- Louis Pasteur
- Ferdinand cohn
- Antony Van Leeuwenhoek

Question No.79

4.00

Bookmark

The most infective stage in whooping cough is

- Paroxysmal
- Convalescent
- Prodromal
- Catarrhal

Question No.80

4.00

Bookmark

Plasmodium with shortest incubation period

- P. falciparum*
- P. vivax*
- P. ovale*
- P. malaria*

Question No.81

4.00

Bookmark

The immunoglobulin which can cross the placenta is

- Ig E
- Ig M
- Ig A
- Ig G

Question No.82

4.00

Bookmark

Route of administration of Rotavirus vaccine

- Oral
- Subcutaneous
- Intravenous
- Intramuscular

Question No.83

4.00

Bookmark

Which of the following organisms is gram negative

- Tubercle bacilli
- Clostridium
- Actinomyces
- Shigella

Question No.84

4.00

Bookmark

Which of the following genera do not require sterols?

- Acholeplasma
- Mycoplasma
- Ureaplasma
- Aneroplasma

Question No.85

4.00

Bookmark

Necator americans is commonly known as :

- Round worm
- Whip worm
- Hook worm
- Pin worm

Question No.86

4.00

Bookmark

Clue cell is characteristic of :

- Ureaplasma urealyticum*
- Lactobacillus acidophilus*
- Gardnerella vaginalis*
- Trichomonas vaginalis*

Question No.87

4.00

Bookmark

Selective medium used for growing *B.cereus* is

- Blood agar
- MYP medium
- MacConkey's medium
- YMCA agar

Question No.88

4.00

Bookmark

Hydatid cyst is caused by

- Entamoeba histolytica*
- Echinococcus granulosus*
- Fasciola hepatica*
- Taenia solium*

Question No.89

4.00

Bookmark

In which of the following disease, immunity is not long lasting?

- Mumps
- Influenza
- Diphtheria
- Whooping cough

Question No.90

4.00

Bookmark

Which of the following fungus infects hair, skin & nails

- Microsporium
- Trichophyton
- Trichosporum
- Epidermophyton

Question No.91

4.00

Bookmark

India ink is used to demonstrate the following part of bacteria

- Flagella
- Capsule
- Cell wall
- Nucleus

Question No.92

4.00

Bookmark

Which of the following infections is acquired from animals ?

- Gonococcus
- Plague
- Diphtheria
- Poliomyelitis

Question No.93

4.00

Bookmark

Reddening of meat in cooked meat broth is produced by

- C. perfringens*
- C. tetani*
- C. histolyticum*
- C. sporogens*

Question No.94

4.00

Bookmark

A carrier who acquires the organisms from another carrier is known as

- A Chronic carrier
- A contact carrier
- Convalescent carrier
- A Paradoxical carrier

Question No.95

4.00

Bookmark

5TH disease is caused by

- Cytomegalovirus
- Coxsackie virus
- Parvovirus B19
- Epstein Barr virus

Question No.96

4.00

Bookmark

All of the following are secondary lymphoid organs except

- Lymph nodes
- Mucosa Associated Lymphoid Tissue
- Spleen
- Bone marrow

Question No.97

4.00

Bookmark

Choose the most appropriate preposition to fill the blank:

The mathematics exam will be held between 2____4pm.

- and
- to
- from
- at

Question No.98

4.00

Bookmark

Bejel is caused by

- Treponema pertenuae*
- Treponema pallidum*
- Treponema endemicum*
- Treponema carateum*

Question No.99

4.00

Bookmark

If 9 men working 6 hours a day can do a work in 88 days. Then 6 men working 8 hours a day can do it in how many days?

- 97
- 99
- 89
- 95

Question No.100

4.00

Bookmark

Which of the following species of campylobacter is/are thermophilic?

- Campylobacter jejuni*
- Campylobacter coli*
- Campylobacter lari*
- All of the above