

## PROVISIONAL ANSWER KEY

Question 121/2024/OL

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Question1:-The tooth buds for the permanent dentition is to appear normally about the third month. On which aspect of primary teeth it should appear and develop to avoid a possible developmental Anomaly?

A:-Buccal Aspect

B:-Inferior Aspect

C:-Lingual Aspect

D:-None of the above

Correct Answer:- Option-C

Question2:-A median cleft of the upper lip probably represents

A:-the failure of the primordia of the median nasal process to fuse into a single globular process

B:-the failure of the lateral nasal processes and median nasal process to coalesce

C:-the anomalies in size, shape or position of facial processes

D:-the result of pressure from the tip of tongue pressing against the over large prolabium

Correct Answer:- Option-A

Question3:-A cyst which classically moves during swallowing or on protrusion of tongue is

A:-Plunging ranula

B:-Median Sublingual Epidermoid Cyst

C:-Thyroglossal duct cyst

D:-Cystic hygroma

Correct Answer:- Option-C

Question4:-Deficiencies of the tongue musculature such as Microglossia may be the result of

A:-the disturbance in migration of mesoderm into developing tongue epithelium

B:-the disturbances which may occur when the path of migration of the derived muscle groups is long

C:-failure of the mesoderm to imperforate into the choanal membrane

D:-failure in morphological differentiation by genetic and environmental influences

Correct Answer:- Option-B

Question5:-A developmental cyst that possibly develop from the remnants of the embryonic nasolacrimal rod is

A:-Globulo maxillary cyst

B:-Nasopalatine duct cyst

C:-Nasolabial cyst

D:-Uni cameral bone cyst

Correct Answer:- Option-C

Question6:-Nevoid basal cell carcinoma syndrome is caused by mutation of

A:-PTCH gene; chromosome 9q22.3-q31

B:-PTCH gene; chromosome 9q22.1-q31

C:-PTCH gene; chromosome 9q22.3-q32

D:-PTCH gene; chromosome 9q22.1-q32

Correct Answer:- Option-A

Question7:-Immunohistochemical studies on Desmoplastic pattern of Ameloblastoma have shown an increased production of which of the following cytokines?

A:-Fibroblast Growth Factor (FGF)

B:-Transforming Growth Factor-beta (TGF- $\beta$ )

C:-Platelet-Derived Growth Factor (PDGF)

D:-Interferon-gamma (IFN- $\gamma$ )

Correct Answer:- Option-B

Question8:-Which of the following statements is/are incorrect about calcifying epithelial odontogenic tumour (CEOT)?

- (i) About 2/3rd of all reported cases have been found in the mandible.
- (ii) Radiographically, the unilocular pattern is commonly encountered in the maxilla.
- (iii) The tumour is frequently associated with an impacted tooth, most often a mandibular molar.
- (iv) The margins of the lytic defects are often scalloped.

A:-(i), (ii) and (iv)

B:-(ii) and (iv)

C:-Only (ii)

D:-All are correct statements

Correct Answer:- Option-D

Question9:-Which of the following statements is incorrect about a dentigerous cyst?

A:-Dentigerous cyst account for about 20% of all epithelium-lined cysts of the jaws

B:-They are discovered most frequently in patients between 10 and 30 years of age

C:-The lining of dentigerous cyst can undergo neoplastic transformation to form an epidermoid carcinoma

D:-Dentigerous cyst is the most common odontogenic cyst

Correct Answer:- Option-D

Question10:-Which of the following statement is correct about Odontogenic Keratocyst (OKC)?

(i) OKC show significantly greater expression of PCNA and Ki67, especially in the suprabasilar layer.

(ii) Over 85% of OKC associated with nevoid basal cell carcinoma syndrome show mutation of PTCH1 gene.

(iii) Loss of heterozygosity for various tumour suppressor genes like FHIT, LATS2 are seen OKC.

A:-Only (ii) is correct

B:- (i), (ii) and (iii) are correct

C:- (i) and (ii) are correct

D:- (ii) and (iii) are correct

Correct Answer:- Option-B

Question11:-Which of the following is not a major diagnostic criterion for the Gorlin syndrome?

A:-First degree relative with the Gorlin syndrome

B:-Lamellar calcification of the falx cerebri

C:-Preaxial or postaxial polydactyly

D:-One or more basal cell carcinoma before the age of 30

Correct Answer:- Option-C

Question12:-*EWSR1* gene mutations are commonly found in

A:-Unicystic ameloblastoma

B:-Clear cell odontogenic carcinoma

C:-Ameloblastic fibro-odontoma

D:-Odontogenic myxoma

Correct Answer:- Option-B

Question13:-'Stepladder' pattern is seen in the radiographic picture of

A:-Odontogenic myxoma

B:-Odontogenic fibroma

C:-Odontoameloblastoma

D:-Ameloblastic fibro-odontoma

Correct Answer:- Option-A

Question14:-Cannons disease is inherited as

A:-Autosomal dominant trait

B:-Autosomal recessive trait

C:-X-linked recessive trait

D:-X-linked dominant trait

Correct Answer:- Option-A

Question15:-*Cell within a cell* phenomenon is seen in

A:-Witkop-Von Sallmann syndrome

B:-White sponge nevus

C:-Cole-Engmann syndrome

D:-Keratosis follicularis

Correct Answer:- Option-A

Question16:-STK11 gene mutation is responsible for most cases of

A:-Tuberous sclerosis

B:-Osler-Weber-Rendu syndrome

C:-Peutz-Jeghers syndrome

D:-Ehlers-Danlos syndromes

Correct Answer:- Option-C

Question17:-The direct immunofluorescence studies of mucous membrane pemphigoid shows

A:-Positive-intercellular

B:-Positive-intercellular and basement membrane zone

C:-Positive-basement membrane zone

D:-Is nondiagnostic

Correct Answer:- Option-C

Question18:-Paraneoplastic pemphigus affects patients who have a neoplasm, usually

A:-Acute lymphocytic leukaemia

B:-Acute myeloid leukaemia

C:-Chronic lymphocytic leukaemia

D:-Chronic myeloid leukaemia

Correct Answer:- Option-C

Question19:-Osteitis fibrosa cystica is seen in

- A:-Cushing syndrome
- B:-Hyperparathyroidism
- C:-Addison disease
- D:-Graves disease

Correct Answer:- Option-B

Question20:-Which of the following statement is incorrect about Giant cell arteritis?

- A:-It is an immune mediated vasculitis
- B:-It commonly affects the medium-sized and larger arteries
- C:-The deep temporal artery is the most commonly affected site
- D:-Leads to vascular occlusion and ischemia

Correct Answer:- Option-C

Question21:-The common causative organism of cellulitis is

- A:-Streptococci
- B:-Staphylococci
- C:-Pseudomonas
- D:-Enterococcus

Correct Answer:- Option-A

Question22:-Which of the following tissue is radioresistant?

- A:-Salivary gland
- B:-Bone marrow
- C:-Lense of eye
- D:-Thyroid

Correct Answer:- Option-D

Question23:-Acrodynia is

- A:-Bismuth toxicity
- B:-Mercury toxicity
- C:-Gold toxicity
- D:-Silver toxicity

Correct Answer:- Option-B

Question24:-Bronze diabetes is seen in;

- A:-Iron overload
- B:-Copper overload
- C:-Zinc overload
- D:-Manganese overload

Correct Answer:- Option-A

Question25:-The iron requirement of an adult female is approximately

A:-10 mg/day

B:-20 mg/day

C:-30 mg/day

D:-40 mg/day

Correct Answer:- Option-B

Question26:-Following are the hamartomatous lesions of the oral cavity EXCEPT

A:-Odontome

B:-Heamangioma

C:-Lymphangioma

D:-Fibroma

Correct Answer:- Option-D

Question27:-Microscopic feature exhibiting the presence of 'Koilocytes' in the superficial layer of epithelium is suggestive of

A:-Squamous papilloma

B:-Kerato accanthoma

C:-Squamous accanthoma

D:-Nevus

Correct Answer:- Option-A

Question28:-Which one of the following is considered as 'Mixed tumour' among the salivary gland tumours?

A:-Canalicular adenoma

B:-Oncocytoma

C:-Basal cell adenoma

D:-Pleomorphic adenoma

Correct Answer:- Option-D

Question29:-The tumour of smooth muscle origin is

A:-Myoblastic myoma

B:-Rhabdomyoma

C:-Leiomyoma

D:-Myofibroma

Correct Answer:- Option-C

Question30:-The microscopic feature exhibiting 'Shredded carrot' like appearance, that are separated from the cells by mucoïd material is a feature of

A:-Multiple endocrine neoplasia syndrome

B:-Neurofibroma

C:-Neurilemmoma

D:-Traumatic Neuroma

Correct Answer:- Option-B

Question31:-Following are the architectural changes observed in relation to the epithelial dysplasia EXCEPT

A:-Basal cell hyperplasia

B:-Loss of polarity

C:-Dyskeratosis

D:-Abnormal mitotic figures

Correct Answer:- Option-D

Question32:-High urinary excretion of vanillylmandelic acid (VMA) suggests

A:-Amelanotic melanoma

B:-Melanotic neuroectodermal tumour of infancy

C:-Melanoma

D:-Traumatic Neuroma

Correct Answer:- Option-B

Question33:-50 year old male patient presented with a dome shaped solitary nodule on vermillion border of lip with smooth shiny surface and central depressed crateriform ulceration or keratin plug is suggestive of

A:-Verruca vulgaris

B:-Verruciform xanthoma

C:-Kerato accanthoma

D:-Squamous accanthoma

Correct Answer:- Option-C

Question34:-Clinical feature 'Eye to heaven' appearance is found in

A:-Ossifying fibroma

B:-Fibrous dysplasia

C:-Paget's disease

D:-Cherubism

Correct Answer:- Option-D

Question35:-The synonym (other name) of Schwannoma is

A:-Melanoma

B:-Neurofibroma

C:-Neurilemmoma

D:-Traumatic Neuroma

Correct Answer:- Option-C

Question36:-The most common early sign the 'Coup de sabre' is a clinical feature found in

A:-Melkersson-Rosenthal syndrome

B:-Facial hemiatropy

C:-Van der woude syndrome

D:-Hemifacial hypertropy

Correct Answer:- Option-B

Question37:-Microscopic feature exhibiting the tiny linear or arc shaped bodies, which are refractile and non birefringent hyaline bodies or Rushton bodies present in the epithelium of

A:-Dentigerous cyst

B:-Glandular odontogenic cyst

C:-Radicular cyst

D:-Odontogenic keratocyst

Correct Answer:- Option-C

Question38:-Loss of neural crest cell precursors resulting in reduced number of neural crest cells migrating in to the developing craniofacial complex results in

A:-Treacher collins syndrome

B:-Cliedo cranial dysplasia

C:-Crouzon disease

D:-Parry Romberg syndrome

Correct Answer:- Option-A

Question39:-Which of the following statement is CORRECT regarding the histopathological zones of dentinal caries

A:-Proteolytic organisms are predominantly found in superficial layer of zone of microbial invasion

B:-Pioneer bacteria predominantly found in deeper layers in advanced dentinal caries

C:-Focal coalescence of adjacent tubules and ovoid area of destruction-liquefaction foci is found in advanced dentinal caries

D:-Fatty degeneration of odontoblastic process contribute to the permeability of dentin

Correct Answer:- Option-C

Question40:-Trench mouth refers to

A:-Scurvy

B:-Necrotizing ulcerative gingivitis

C:-Oral submucous fibrosis

D:-Condylar hypoplasia

Correct Answer:- Option-B

Question41:-An occlusal radiograph reveal focal over growth of bone on the outer surface of the cortex as reduplication of the cortical layers of bone associated with



carious tooth is suggestive of

A:-Garre's chronic non suppurative sclerosis osteomyelitis

B:-Chronic diffuse sclerosing osteomyelitis

C:-Chronic focal sclerosing osteomyelitis

D:-Chronic suppurative osteomyelitis

Correct Answer:- Option-A

Question42:-Intra oral gumma most commonly involving the tongue or palate is a feature of

A:-Syphilis

B:-Tuberculosis

C:-Leprosy

D:-Noma

Correct Answer:- Option-A

Question43:-A multisystemic condition with oral manifestation 'strawberry gingivitis' is suggestive of

A:-Midline lethal granuloma

B:-Pyogenic granuloma

C:-Wegener's granulomatosis

D:-Chronic granulomatous disease

Correct Answer:- Option-C

Question44:-Localised or generalized infection caused by the dissemination of micro-organisms or toxic products from a focus of infection is referred to as

A:-Focus of infection

B:-Focal infection

C:-Oral infection

D:-Focal mucinosis

Correct Answer:- Option-B

Question45:-Tooth ache, experienced by astronauts, submarine crews and deep sea divers, some times associated with recent filling/restoration, is referred as

A:-Aerodontalgia

B:-Anachoretic pulpitis

C:-Pulp hyperemia

D:-Chronic hyperplastic pulpitis

Correct Answer:- Option-A

Question46:-The tongue exhibiting a white coating with oedematous and hyperaemic fungiform papilla, appearance of 'Strawberry tongue' is suggestive of

A:-Noma

B:-Measles

C:-Scarlet fever

D:-Diphtheria

Correct Answer:- Option-C

Question47:-Following are the synonyms (other name) of Candidiasis EXCEPT

A:-Candidosis

B:-Moniliais

C:-Oral thrush

D:-Oral myiasis

Correct Answer:- Option-D

Question48:-The most accepted theory in etiology of dental caries

A:-Proteolytic theory

B:-Miller's chemoparasitic theory

C:-Proteolytic chelation theory

D:-Sucrose chelation theory

Correct Answer:- Option-B

Question49:-Which of the following statement is WRONG regarding Dental plaque?

A:-Acquired pellicle is a thin deposit, which may be formed shortly after eruption on the exposed tooth surface

B:-Salivary pellicle appears on tooth surface within one minute after cleaning the tooth

C:-Salivary pellicle is visible and contains bacteria

D:-Brown pigment on tooth surface is formed due to presence of tannins in the pellicle

Correct Answer:- Option-C

Question50:-Lesion that is less commonly associated with HIV is

A:-Candidiasis

B:-Necrotizing ulcerative stomatitis

C:-Hairy leukoplakia

D:-Kaposi sarcoma

Correct Answer:- Option-B

Question51:-All of the following are involved in tumor metastasis cascade except

A:-Fibronectin

B:-E cadherin

C:-Tyrosine kinase

D:-Type IV Collagenase

Correct Answer:- Option-C

Question52:-Tumor suppressor genes implicated in human cancers include the following except

A:-Rb gene

B:-APC

C:-ERB-B

D:-TP53

Correct Answer:- Option-C

Question53:-Mycosis fungoides is

A:-B cell lymphoma

B:-T cell lymphoma

C:-Mixed

D:-Plasma cell tumor

Correct Answer:- Option-B

Question54:-Most common cancer arising in a patient with chronic osteomyelitis is

A:-Osteosarcoma

B:-Squamous cell carcinoma

C:-Fibrosarcoma

D:-Osteoid osteoma

Correct Answer:- Option-B

Question55:-Upregulation of which of the following has been noted on tumor cells which help them evade immune surveillance

A:-PD L1

B:-CTLA4

C:-CD28

D:-CD86

Correct Answer:- Option-A

Question56:-Which of following gene is translocated in Burkitt lymphoma

A:-FLI1

B:-PML

C:-MYC

D:-CCND1

Correct Answer:- Option-C

Question57:-The subtype of Rhabdomyosarcoma which frequently involves head and neck region is

A:-Pleomorphic

B:-Embryonal

C:-Spindle

D:-Alveolar

Correct Answer:- Option-B

Question58:-The most common primary site for cancer to metastasize to oral soft tissue

A:-Prostate

B:-Renal

C:-Bone

D:-Lung

Correct Answer:- Option-D

Question59:-Which cytokine is considered as most important myeloma growth factor

A:-IL-6

B:-IL-3

C:-IL-7

D:-IL-11

Correct Answer:- Option-A

Question60:-Hypothesis of dysfunctional cadherin - catenin complex important for intercellular adhesion is proposed for

A:-Adenoid cystic carcinoma

B:-Basal cell carcinoma

C:-Spindle cell carcinoma

D:-Pleomorphic adenoma

Correct Answer:- Option-C

Question61:-The following tumor is characterised by biphasic pattern of growth

A:-Osteosarcoma

B:-Osteochondroma

C:-Synovial sarcoma

D:-Malignant fibrous histiocytoma

Correct Answer:- Option-C

Question62:-E6 protein of high risk HPV affects the following protein there by promotes carcinogenesis

A:-TP53

B:-APC

C:-MDM2

D:-RB

Correct Answer:- Option-A

Question63:-The precancerous lesion with highest malignant Potential is

A:-Nicotina palatinus in reverse smokers

B:-Erythroleukoplakia

C:-Actinic cheilosis

D:-Smokeless tobacco keratosis

Correct Answer:- Option-A

Question64:-Herring bone pattern of fibrous tissue is found in

A:-Fibrosarcoma

B:-Malignant fibrous histiocyoma

C:-Neurofibroma

D:-Ameloblastic fibroma

Correct Answer:- Option-A

Question65:-Most common site for adenoid cystic carcinoma is

A:-Parotid gland

B:-Minor salivary glands

C:-Submandibular gland

D:-Sublingual gland

Correct Answer:- Option-B

Question66:-Degradation of extracellular matrix is brought about by following EXCEPT

A:-Proteases

B:-Free radicals

C:-Metalloproteinase

D:-Cathepsin D

Correct Answer:- Option-B

Question67:-All are methods of cell proliferation analysis EXCEPT

A:-Flow cytometry

B:-PCR

C:-Microspectrophotometry

D:-Immunohistochemistry

Correct Answer:- Option-B

Question68:-Most common clinicopathologic type of melanoma is

A:-Nodular melanoma

B:-Lentigo maligna melanoma

C:-Acral lentiginous melanoma

D:-Superficial spreading melanoma

Correct Answer:- Option-D

Question69:-Nasopharyngeal carcinoma is caused by

A:-HHV 4

B:-HHV 5

C:-HHV 7

D:-HHV 8

Correct Answer:- Option-A

Question70:-Hall mark mechanism of tumor suppressor gene Inactivation

A:-Loss of heterozygosity

B:-DNA hypermethylation

C:-DNA hypomethylation

D:-Histone deacetylation

Correct Answer:- Option-A

Question71:-In which phase of cell cycle does the nuclear envelope and nucleoli disappear?

A:-Telophase

B:-Prophase

C:-Metaphase

D:-Anaphase

Correct Answer:- Option-B

Question72:-Which of the following is used for visualizing live cells?

A:-Scanning electron microscope

B:-Con focal microscope

C:-Phase contrast microscope

D:-Transmission electron microscope

Correct Answer:- Option-C

Question73:-Resolving power of a microscope can be increased by

A:-Increasing numerical aperture and using shorter wavelength light

B:-Decreasing numerical aperture and using shorter wavelength light

C:-Increasing numerical aperture and using longer wavelength light

D:-Decreasing numerical aperture and using longer wavelength light

Correct Answer:- Option-A

Question74:-The mass of a bacterial cell wall can be best assessed by which of the following?

A:-Interference microscope

B:-Con focal microscope

C:-Phase contrast microscope

D:-Stereo microscope

Correct Answer:- Option-A

Question75:-Which of the following combination of statements is true of ELISA?

- (i) Uses antibodies labelled with enzymes
- (ii) Color change indicates presence of target antigen
- (iii) It is not possible to use monoclonal antibodies
- (iv) Technique does not need separation of free and bound antigens

A:-(i) and (iii)

B:-(ii) and (iii)

C:-(i) and (ii)

D:-(i) and (iv)

Correct Answer:- Option-C

Question76:-Which stain is best suited to demonstrate elastic tissue?

A:-Giemsa stain

B:-PAS stain

C:-Silver impregnation

D:-Verhoeff's stain

Correct Answer:- Option-D

Question77:-Amyloid demonstrated by Congo Red, emits apple green birefringence when viewed under

A:-Polarizing light microscope

B:-Phase contrast microscope

C:-Interference microscope

D:-Con focal microscope

Correct Answer:- Option-A

Question78:-The specificity of an antibody is due to

A:-Its valency

B:-The heavy chains

C:-The Fc portion of the molecule

D:-The variable portion of the heavy and light chain

Correct Answer:- Option-D

Question79:-Which of the following chemicals is used for colour restoration of museum specimens?

A:-Ethanol

B:-Formic acid

C:-Methylated spirit

D:-Hydrogen peroxide

Correct Answer:- Option-C

Question80:-Which among the following can best demonstrate epithelial mucins?

A:-Giemsa stain

B:-PAS stain

C:-Mucicarmine stain

D:-Methyl violet stain

Correct Answer:- Option-C

Question81:-Which of the following statement is incorrect about the features of Coronavirus?

A:-Non-Enveloped RNA virus

B:-Enveloped RNA virus

C:-Distributed around the world

D:-Transmitted from person to person

Correct Answer:- Option-A

Question82:-During the process of fixation all of the objectives are met EXCEPT

A:-Facilitates staining

B:-Facilitates autolysis

C:-Coagulates proteins

D:-Prevents putrefaction

Correct Answer:- Option-B

Question83:-What is the ratio of the volume of fixative to tissue in tissue processing?

A:-1:10

B:-10:1

C:-3:1

D:-1:3

Correct Answer:- Option-B

Question84:-Which of the following statement is incorrect about polycythemia?

A:-Low blood viscosity

B:-High hemocrit value

C:-High blood pressure

D:-Increase blood volume

Correct Answer:- Option-A

Question85:-The process by which the recombinant DNA is introduced into the recipient host cell is termed

A:-Translation

B:-Transcription



C:-Transformation

D:-Splicing

Correct Answer:- Option-C

Question86:-Which among the following is not a natural compound used in histopathology?

A:-Alizarin

B:-Eosin

C:-Hematoxylin

D:-Canada Balsam

Correct Answer:- Option-B

Question87:-During heating in PCR procedure which enzyme prevents denaturation of enzymes?

A:-Taq polymerase

B:-DNA polymerase

C:-Restriction endonuclease

D:-Restriction exonuclease

Correct Answer:- Option-A

Question88:-Which cell organelle conserves DNA for the longest period?

A:-Nucleus

B:-Endoplasmic reticulum

C:-Mitochondria

D:-Nucleoli

Correct Answer:- Option-C

Question89:-The following procedure is not a step, in cell culture procedure

A:-Thawing

B:-Quenching

C:-Cell seeding

D:-Cell detachment

Correct Answer:- Option-B

Question90:-HLA complex of genes on chromosome 6 encodes for which proteins?

A:-Cytoplasmic proteins

B:-Transmembrane proteins

C:-Nuclear membrane proteins

D:-Cell surface proteins

Correct Answer:- Option-D

Question91:-The following agents are used for freezing sections for cryostat EXCEPT

A:-Dry ice

B:-Liquid nitrogen

C:-Carbon dioxide Gas

D:-Liquid paraffin

Correct Answer:- Option-D

Question92:-Which method is used for the accurate assessment/quantification of DNA content in cells?

A:-Transmission Electron microscopy

B:-Flow cytometry

C:-PCR technique

D:-In situ hybridisation

Correct Answer:- Option-B

Question93:-"Court strictures Vis-a-Vis Medical Officer" is based on disapproval of some aspect, before the court of law

- (i) Conduct of witness
- (ii) Adequate qualification
- (iii) Medical evidence
- (iv) Scientific facts

A:-Only (i) is correct

B:-Only (iii) is correct

C:- (i) and (ii) are correct

D:- (iii) and (iv) are correct

Correct Answer:- Option-A

Question94:-Developing teeth, the apposition of dentine and enamel take place at the approximate rate/day is

A:-0.002 microns

B:-20 microns

C:-4 microns

D:-100 microns

Correct Answer:- Option-C

Question95:-Tests useful for "Saliva" along with buccal epithelial cells" in alleged crime cases are

- (i) RNA based assays
- (ii) Absorption - elution test
- (iii) Phadebas test
- (iv) Gettler's test

A:- (ii) and (iv) are correct

B:- (i) and (iii) are correct

C:-(iii) and (iv) are correct

D:-(ii) and (iii) are correct

Correct Answer:- Option-B

Question96:-Following are the causes of ring fracture of skull

(i) Fall from height landing on feet

(ii) Forceful blow on forehead

(iii) Sudden violent rotation of body on cervical spine

(iv) Forceful blow on chin

A:-(ii) and (iii) are correct

B:-(ii) and (iv) are correct

C:-(i) and (iii) are correct

D:-(i) and (iv) are correct

Correct Answer:- Option-D

Question97:-Which of the following is NOT a component of a standard PCR reaction mixture?

A:-Template DNA

B:-Primers

C:-Taq DNA polymerase

D:-Restriction enzymes

Correct Answer:- Option-D

Question98:-Which of the following is not used as a vector in recombinant DNA technology?

A:-Eco RI

B:-Cosmid

C:-M13 phage

D:-YAC

Correct Answer:- Option-A

Question99:-The term pluripotency indicates

A:-The ability of a cell to differentiate into all cell types of the body

B:-The ability of a cell to differentiate into any cell types of a specific lineage

C:-The ability of a cell to self-renew and produce more stem cells

D:-The ability of a cell to differentiate into only one specific cell type

Correct Answer:- Option-B

Question100:-The total possible number of reading frames present in a DNA molecule is

A:-Two

B:-Four

C:-Six

D:-Three

Correct Answer:- Option-C