

FINAL 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:-**Question Cancelled**

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- β)

C:-Platelet-Derived Growth Factor (PDGF)

D:-Interferon-gamma (IFN- γ)

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 hemiatrophy

C:-Van der woude syndrome

D:-Hemifacial hypertrophy

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:-**Question Cancelled**

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:-**Question Cancelled**

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:-**Question Cancelled**

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:-**Question Cancelled**

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:-**Question Cancelled**

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:-**Question Cancelled**

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-A

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:-**Question Cancelled**

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:-**Question Cancelled**

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 baccal 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:-**Question Cancelled**

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-A

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