

FINAL ANSWER KEY

Question 66/2024/OL

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Code:

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Question1:-Fetal blood erythrocytes are produced initially by the

A:-Bone marrow

B:-Spleen

C:-Yolk sac

D:-Thymus

Correct Answer:- Option-C

Question2:-Iron is transported across the placenta by _____

A:-Simple Diffusion

B:-Facilitated Diffusion

C:-Carrier mediated active transport

D:-Endocytosis

Correct Answer:- Option-B

Question3:-Volume of amniotic fluid at 34 weeks is _____

A:-400 ml

B:-600 ml

C:-800 ml

D:-1000 ml

Correct Answer:- Option-D

Question4:-Hormone responsible for preparation of endometrium for implantation

A:-Human Chorionic gonadotropin

B:-Estrogen

C:-Progesterone

D:-Human placental lactogen

Correct Answer:- Option-C

Question5:-Measurement of Symphysis fundal height to estimate the gestation of pregnancy is used at

A:-10-28 weeks

B:-16-30 weeks

C:-20-32 weeks

D:-24-40 weeks

Correct Answer:- Option-C

Question6:-High levels of human chorionic gonadotropin is seen in all except

A:-Gestational trophoblastic disease

B:-Downs syndrome

C:-Erythroblastosis fetalis

D:-Ectopic pregnancy

Correct Answer:- Option-D

Question7:-Excessive weight gain during pregnancy is associated with all except

A:-Pre-eclampsia

B:-Caesarean section

C:-Macrosomia

D:-Pre-term labour

Correct Answer:- Option-D

Question8:-External cephalic version is offered to woman with breech presentation at _____

A:-32 weeks

B:-34 weeks

C:-36 weeks

D:-38 weeks

Correct Answer:- Option-C

Question9:-The most accurate estimate of gestational age in ultrasound can be obtained by measuring

A:-Diameter of gestational sac

B:-Crown-rump length

C:-Femur length

D:-Biparietal diameter

Correct Answer:- Option-B

Question10:-Most common cause of postpartum hemorrhage is

A:-Uterine atony

B:-Retained products

C:-Trauma

D:-Abnormalities of coagulation

Correct Answer:- Option-A

Question11:-A patient with hyperemesis gravidarum develops ataxia and diplopia. What other treatment should be given for this patient other than normal saline?

A:-Antiemetics

B:-Vitamin B1

C:-Vitamin B12

D:-Ryles tube feeding

Correct Answer:- Option-B

Question12:-Sodium valproate in early pregnancy is linked with

A:-Neural tube defects

B:- Cleft palate

C:-Sacral agenesis

D:-Ventricular septal defect

Correct Answer:- Option-A

Question13:-Absence of accelerations in non stress test is seen in

A:-Gestational diabetes

B:-Well oxygenated fetus

C:-Fetal acidosis

D:-Post dated pregnancy

Correct Answer:- Option-C

Question14:-In prenatal screening Serum markers for quadruple test are all except

A:-Alpha fetoprotein

B:-Inhibin

C:-PAPP-A

D:-Human chorionic gonadotropin

Correct Answer:- Option-C

Question15:-Fetal factor indicating poor prognosis for successful vaginal delivery is

A:-Baby weight 2.5 - 3 kg

B:-Occipito posterior position

C:-Gynaecoid Pelvis

D:-Flexed Head

Correct Answer:- Option-B

Question16:-In contemporary obstetrics the dilatation of cervix in which the active phase begins according to the WHO.

A:-3cm

B:-4cm

C:-5cm

D:-6cm

Correct Answer:- Option-C

Question17:-Third degree perineal tear involves

A:-Vaginal mucosa and perineal muscles

B:-Vaginal mucosa and skin

C:-Vaginal mucosa and rectal mucosa

D:-Vaginal mucosa and anal spincter

Correct Answer:- Option-D

Question18:-Timing of history indicated cerclage for cervical incompetence is at

A:-10-12 weeks

B:-12-14 weeks

C:-6-8 weeks

D:-8-10 weeks

Correct Answer:- Option-B

Question19:-Septic abortion is of _____ grade when there is extension to the adnexae and pelvic structures

A:-Grade 1

B:-Grade 2

C:-Grade 3

D:-Grade 4

Correct Answer:- Option-B

Question20:-Couvalaire Uterus

A:-Is seen in Placenta previa

B:-Is an indication for hysterectomy

C:-Is seen in Adenomyosis

D:-Can cause uterine tetany and foetal hypoxia

Correct Answer:- Option-D

Question21:-The most important treatable cause for recurrent pregnancy loss is

A:-Chromosomal anomaly

B:-TORCH infections

C:-Antiphospholipid syndrome

D:-Uterine anomaly

Correct Answer:- Option-C

Question22:-Which is the most valuable diagnostic test in case of unruptured ectopic pregnancy

A:-Serial beta HCG levels

B:-Serum progesterone

C:-Trans vaginal ultra sound

D:-Culdocentesis

Correct Answer:- Option-C

Question23:-Single most important cause of perinatal morbidity and mortality in multiple pregnancy is

A:-Congenital anomaly

B:-Growth discordancy

C:-Preterm delivery

D:-Preeclampsia

Correct Answer:- Option-C

Question24:-The corticosteroid that is best for reducing neonatal mortality and morbidity in preterm labour

A:-Prednisolone

B:-Betamethasone

C:-Dexamethasone

D:-Hydrocortisone

Correct Answer:- Option-C

Question25:-Crumpled up spine seen in intrauterine fetal demise is called

A:-Spalding sign

B:-Robert sign

C:-Ball sign

D:-Candles sign

Correct Answer:- Option-C

Question26:-The fetal urine production rate at term is _____ ml/day

A:-500-800

B:-800-1000

C:-1000-1200

D:-1200-1500

Correct Answer:- Option-C

Question27:-Marginal insertion of the umbilical cord is seen in

A:-Battledore placenta

B:-Circumvallate placenta

C:-Velamentous insertion

D:-Annular placenta

Correct Answer:- Option-A

Question28:-All of these are important changes seen in pregnancy except

- A:-Cardiac output increases
- B:-Plasma volume increases
- C:-Heart rate increases
- D:-Peripheral resistance increases

Correct Answer:- Option-D

Question29:-The most common condition associated with Pulmonary Hypoplasia in the fetus is

- A:-Post dated pregnancy
- B:-Gestational Diabetes Mellitus
- C:-Oligohydramnios
- D:-Congenital Heart disease

Correct Answer:- Option-C

Question30:-In patients with prosthetic heart valves warfarin is recommended during

- A:-6-34 weeks
- B:-8-36 weeks
- C:-14-36 weeks
- D:-34-40 weeks

Correct Answer:- Option-C

Question31:-Most common fetal complication seen in Gestational Diabetes Mellitus is

- A:-Macrosomia
- B:-Growth restriction
- C:-Congenital Anomalies
- D:-Hyperviscosity syndrome

Correct Answer:- Option-A

Question32:-Marfan syndrome is associated with

- A:-Aortic stenosis
- B:-Aortic root dilatation
- C:-Mitral stenosis
- D:-Pulmonary stenosis

Correct Answer:- Option-B

Question33:-Level of glycosylated haemoglobin more than _____ in the first trimester booking visit is diagnostic of overt diabetes

- A:-5.7%
- B:-6.0%

C:-6.5%

D:-7%

Correct Answer:- Option-C

Question34:-Antihypertensive of choice in preeclampsia

A:-Labetalol

B:-Alpha Methyl Dopa

C:-Nifedipine

D:-Metoprolol

Correct Answer:- Option-A

Question35:-Therapeutic range of magnesium sulphate in eclampsia is _____ mEq/L

A:-2-6

B:-4-8

C:-6-10

D:-6-12

Correct Answer:- Option-B

Question36:-The test that reflects the iron stores is

A:-Serum Ferritin

B:-Serum Transferrin

C:-Serum Iron

D:-Serum Iron binding capacity

Correct Answer:- Option-A

Question37:-Cerebral calcification is seen in

A:-Congenital Rubella

B:-Congenital Toxoplasmosis

C:-Herpes infection

D:-Coxsackie virus infection

Correct Answer:- Option-B

Question38:-In woman with sickle cell anaemia the most common complication in pregnancy is

A:-Acute painful sickling crisis

B:-Pre eclampsia

C:-Fetal growth restriction

D:-Abruptio placenta

Correct Answer:- Option-A

Question39:-Features of Gestational Thrombocytopaenia are all except

A:-Diagnosis of exclusion

B:-Occurs in late pregnancy

C:-Associated with neonatal thrombocytopenia

D:-Can recur in subsequent pregnancy

Correct Answer:- Option-C

Question40:-BFHI is a programme launched by WHO and UNICEF in the year

A:-2001

B:-2005

C:-1995

D:-1992

Correct Answer:- Option-D

Question41:-Contra indication to outlet forceps application include all except

A:-Unengaged head

B:-Brow presentation

C:-Completely dilated cervix

D:-Bleeding disorder in fetus

Correct Answer:- Option-C

Question42:-Post partum blues is seen in _____ % of women within 3-5 days of delivery

A:-20%

B:-30%

C:-40%

D:-50%

Correct Answer:- Option-D

Question43:-Parametrial Plegmon is

A:-collection of pus in the pouch of douglas

B:-an area of intense cellulitis in the parametrium

C:-remnant of ectopic pregnancy

D:-remnant of vesicular mole

Correct Answer:- Option-B

Question44:-Proper repair of third or fourth degree perineal tears is essential to prevent

A:-Prolapse uterus

B:-Rectal prolapse

C:-Rectovaginal fistula

D:-Vaginal bleeding

Correct Answer:- Option-C

Question45:-Bandl ring is seen

A:-at the junction of upper and lower uterine segment

B:-is a physiological ring seen in multipara

C:-is an indication for operative vaginal delivery

D:-seen in the immediate post partum uterus

Correct Answer:- Option-A

Question46:-The absence of Nitabuch layer results in

A:-Placenta Bipartate

B:-Placenta Previa

C:-Abruptio placentae

D:-Placenta Accreta

Correct Answer:- Option-D

Question47:-Anaphylactoid syndrome of pregnancy is

A:-Anaphylaxis followed blood transfusion

B:-Anaphylaxis following drug administration

C:-Amniotic fluid embolism

D:-Antiphospholipid antibody syndrome

Correct Answer:- Option-C

Question48:-Sheehan syndrome is due to failure of

A:-Thyroid gland

B:-Pituitary gland

C:-Adrenal gland

D:-Parathyroid gland

Correct Answer:- Option-B

Question49:-Stepwise devascularisation in postpartum haemorrhage includes, ligation of all except.

A:-Uterine Artery

B:-Utero ovarian vessels

C:-Internal pudendal artery

D:-Internal iliac artery

Correct Answer:- Option-C

Question50:-Drug contra indicated for treatment of auto immune disorders of pregnancy

A:-Sulphasalazine

B:-Methotrexate

C:-Corticosteroids

D:-Hydroxychloroquine.

Correct Answer:- Option-B

Question51:-Which of the following immunizations is NOT contraindicated during pregnancy

A:-Typhoid

B:-Varicella

C:-Mumps, measles, rubella (MMR)

D:-Tetanus, diphtheria, pertussis (DAP)

Correct Answer:- Option-D

Question52:-Patient with oligomenorrhea and suspected polycystic ovarian syndrome (PCOS) is evaluated. She does not demonstrate clinical or laboratory evidence of hyperandrogenism, on evaluation with TVS. Formula to calculate ovarian volume, where A, B and C are the ovarian diameters in centimeters is

A:- $(A \times B \times C)/\pi$

B:- $(A \times B \times C)/3$

C:- $(\pi/6) \times (A \times B \times C)$

D:- $[(A \times B \times C)/3 + 2.54]/0.7$

Correct Answer:- Option-C

Question53:-Enzymes involved in synthesis of steroid hormones in females, TRUE statement is?

A:-The enzyme 21-hydroxylase is required to convert 17-hydroxypregnenolone to 11-deoxycortisol

B:-11b-Hydroxysteroid dehydrogenase converts androstenedione to dehydroepiandrosterone

C:-17a-Hydroxylase is required to convert deoxycorticosterone to 11-deoxycortisol

D:-20,22-Desmolase converts cholesterol to pregnenolon

Correct Answer:- Option-D

Question54:-Woman who delivered vaginally 3 months ago complains of urine leakage from her vagina. You suspect that she has developed a vesicovaginal fistula. Which of the following radiologic tests is most appropriate in her evaluation?

A:-Intravenous pyelography (IVP)

B:-Voiding cystourethrography (VCUG)

C:-Positive pressure urethrography (PPUG)

D:-Magnetic resonance imaging of the pelvis

Correct Answer:- Option-B

Question55:-A bicornuate uterus is the result of the failure of which embryonic structures to correctly fuse?

A:-Genital tubercles

B:-Mesonephric ducts

C:-Metanephric ducts

D:-Paramesonephric ducts

Correct Answer:- Option-D

Question56:-Which organism is responsible for the majority of cases of tubal disease leading to infertility?

A:-Chlamydia trachomatis

B:-Group B Streptococcus

C:-Neisseria gonorrhoeae

D:-Staphylococcus aureus

Correct Answer:- Option-A

Question57:-An anxious 38-year-old pregnant woman undergoes a combined test for Down syndrome screening. The risk comes back as 1 in 1000. What is the appropriate course of action?

A:-Advise that diagnostic tests are not indicated

B:-Amniocentesis

C:-Chorionic villus sampling

D:-Inform the woman that the baby does not have Down syndrome

Correct Answer:- Option-A

Question58:-What is the single best description for the histological appearance of the endometrium soon after ovulation?

A:-Glands containing eosinophilic secretions with stromal breakdown and polymorphs

B:-Glands with subnuclear vacuolation in oedematous stroma

C:-Tortuous glands with cells containing high numbers of mitotic figures

D:-Tubular glands in compact stroma containing plasma cells

Correct Answer:- Option-B

Question59:-A woman is admitted with threatened preterm labour and is commenced on atosiban. What is the mechanism of action of atosiban?

A:-Calcium channel blocker

B:-GnRH analogue

C:-GnRH antagonist

D:-Oxytocin antagonist

Correct Answer:- Option-D

Question60:-What is the risk of uterine perforation at hysteroscopy?

A:-0.01%

B:-0.1%

C:-1%

D:-10%

Correct Answer:- Option-C

Question61:-Following a forceps delivery, a woman is found to have extensive vaginal and perineal tears. When she is examined in theatre by the obstetric registrar, it is noted that approximately 50% of the external anal sphincter is torn, although the internal anal sphincter is intact. What degree of tear is this?

A:-2

B:-3a

C:-3b

D:-3c

Correct Answer:- Option-C

Question62:-The inferior epigastric artery is a branch of which artery?

A:-External iliac artery

B:-Femoral artery

C:-Internal iliac artery

D:-Umbilical artery

Correct Answer:- Option-A

Question63:-Primordial germ cells originate in which structure in the embryo?

A:-Amniotic cavity

B:-Genital ridge

C:-Paramesonephric duct

D:-Yolk sac

Correct Answer:- Option-D

Question64:-A number of cytogenetic methods can be employed in prenatal genetic screening. Which screening method examines interphase chromosomes?

A:-Agarose gel electrophoresis

B:-Fluorescence in situ hybridisation

C:-Multiplex ligation-dependent probe amplification

D:-Polymerase chain reaction

Correct Answer:- Option-B

Question65:-A 24-year-old woman presents with recent onset of painless vulvar nodules that have evolved into red ulcers that bleed easily. Inguinal lymphadenopathy is minimal on examination. She has been in a mutually monogamous, heterosexual relationship for 2 years. Wright-Giemsa stain of swab from one of the lesions shows Donovan bodies. What is her diagnosis?

A:-Chancroid

B:-Primary syphilis

C:-Granuloma inguinale

D:-Lymphogranuloma venereum

Correct Answer:- Option-C

Question66:-Newly diagnosed patient with vulvar lichen sclerosus complains of mild-to-moderate vulvar pruritus on most days. She has not tried any therapeutic interventions yet. First-line therapy for lichen sclerosus includes which of the following topical agents?

A:-Oestrogen cream

B:-Testosterone cream

C:-Ultrapotent topical corticosteroid ointment

D:-All of the above

Correct Answer:- Option-C

Question67:-A 35-year-old woman presents to family planning opd for initiation of contraception. Her medical history is notable of migraines with aura. She wishes to use combination oral contraceptive pills (COCs). Which United States Medical Eligibility Criteria (US MEC) guidelines does this drug belong to?

A:-Use is not restricted

B:-Method advantages outweigh risks

C:-Method risks outweigh advantages

D:-Method poses an unacceptable high health risk

Correct Answer:- Option-D

Question68:-Of müllerian duct anomalies, which has the lowest associated risk of pregnancy loss?

A:-Septate

B:-Arcuate

C:-Didelphys

D:-Unicornuate

Correct Answer:- Option-B

Question69:-Which is the most common side effect of methotrexate?

A:-Myelosuppression

B:-Pulmonary damage

C:-Anaphylactoid reaction

D:-Transient liver dysfunction

Correct Answer:- Option-D

Question70:-According to the American College of Obstetricians and Gynaecologists, endometrial sampling to assess abnormal uterine bleeding is NOT recommended for a woman with which of the following characteristics?

A:-Is 35 years old

B:-Has failed medical management

C:-Has persistent abnormal uterine bleeding

D:-Has history of unopposed estrogen exposure

Correct Answer:- Option-A

Question71:-What are the most important hormones for the successful maintenance of lactation?

A:-Estrogen and oxytocin

B:-Estrogen and progesterone

C:-Estrogen and prolactin

D:-Prolactin and oxytocin

Correct Answer:- Option-D

Question72:-What compound forms the major constituent of pulmonary surfactant?

A:-Dipalmitoylphosphatidylcholine

B:-Surfactant-associated protein A

C:-Surfactant-associated protein B

D:-Phosphatidylcholine

Correct Answer:- Option-A

Question73:-HPV-16 and HPV-18 are the most common high-risk types of infection leading to cervical cancer. What are the key cellular proteins targeted by HPV E6 and E7 proteins?

A:-Cyclin E and Cyclin-dependant kinase-4

B:-Helicase and telomerase

C:-NF-κB and p300

D:-p53 and pRb

Correct Answer:- Option-D

Question74:-In the new WHO manual for semen analysis, what is the minimum normal total sperm in the ejaculate?

A:- 15×10^6

B:- 20×10^6

C:- 32×10^6

D:- 39×10^6

Correct Answer:- Option-D

Question75:-Severe ovarian hyperstimulation syndrome (OHSS), all except,

A:-The pathophysiological hallmark is decrease vascular permeability

B:-There is loss of proteins into the third space

C:-It can lead to hepatorenal failure

D:-It increases the risk of deep vein thrombosis

Correct Answer:- Option-A

Question76:-Which of the following tumor antigens is correctly paired with its ovarian tumor or malignancy?

- A:- α - fetoprotein (AFP) - dysgerminoma
- B:- β - human chorionic gonadotropin - granulosa cell tumor
- C:- α -fetoprotein (AFP)-Endodermal sinus tumor
- D:-Lactate dehydrogenase-yolk sac tumor

Correct Answer:- Option-C

Question77:-Which of the following is the focus of the classification system developed by the American Society for reproductive medicine?

- A:-Pelvic pain severity
- B:-Degree of infertility
- C:-Anatomic extent of endometriosis
- D:-All of the above

Correct Answer:- Option-C

Question78:-Most benign and malignant breast diseases occur within the breast structures that are most sensitive to ovarian hormones and prolactin. Which structures are these?

- A:-Lobular fat
- B:-Collecting ducts
- C:-Collagenous stroma
- D:-Terminal ducts and acini

Correct Answer:- Option-D

Question79:-At present, which of the following is considered primary therapy or psychological symptoms of premenstrual syndrome?

- A:-Prostaglandin inhibitors
- B:-Combination oral contraceptives
- C:-Selective serotonin-reuptake inhibitors
- D:-None of the above

Correct Answer:- Option-C

Question80:-Which of the following statements is FALSE regarding the development of the hypothalamic-pituitary ovarian axis in the female fetus and neonate

- A:-By 5 months gestation, 6 to 7 million oocytes have been created from accelerated germ cell division
- B:-The gonadotropin-releasing hormone (GnRH) "pulse generator" remains functionally dormant until several months after birth
- C:-At birth, follicle-stimulating hormone (FSH) and luteinizing hormone (LH) concentrations rise and remain high during the first 3 months of life
- D:-Neonatal breast budding, minor uterine bleeding and transient ovarian cysts may occur as a normal response to initially high gonadotropin levels

Correct Answer:- Option-B

Question81:-Pubarche, with development of axillary and pubic hair, is stimulated by the androgens derived primarily from which of the following?

A:-Adrenal glands

B:-Ovarian stroma

C:-Peripheral aromatization of estrogens

D:-Physiology continues to be poorly understood

Correct Answer:- Option-D

Question82:-A 28-year-old woman presents to the emergency room reporting acute onset of pelvic pain. Her urine pregnancy test result is positive; she reports her last menses was 8 weeks ago; and intrauterine pregnancy is seen sonographically with a large ovarian cyst that has undergone torsion and the ovary containing a corpus luteum cyst must be removed. Until what gestational age must this patient receive progesterone replacement?

A:-12 weeks

B:-16 weeks

C:-20 weeks

D:-No replacement is necessary after 8 weeks gestation

Correct Answer:- Option-A

Question83:-A 30-year-old woman presents for evaluation of amenorrhea. Her examination is remarkable for severe acne and hirsutism. During evaluation for polycystic ovarian syndrome, she is noted to have an elevated dehydroepiandrosterone sulfate (DHEAS) level of 750 $\mu\text{g/dL}$. What is the best test to order next?

A:-Transvaginal sonography

B:-17-hydroxyprogesterone level

C:-2-hour glucose tolerance test

D:-Computed tomography of the abdomen

Correct Answer:- Option-D

Question84:-The hymen is the partition that remains between which structures?

A:-Cloacal membrane and genital tubercle

B:-Sinovaginal bulb and urogenital sinus

C:-Unfused cephalad portions of the two müllerian ducts

D:-None of the above

Correct Answer:- Option-B

Question85:-Which of the following are seen in offspring of women who took diethylstilbestrol (DES) during the associated pregnancy?

A:-Impaired conception rates in female offspring

B:-Cryptorchidism, testicular hypoplasia and malformations of the penis in male offspring

C:-T-shaped uterus, "cockscomb" cervix and increased rates of clear cell adenocarcinoma in female offspring

D:-All of the above

Correct Answer:- Option-D

Question86:-Which of the following tests can differentiate between dead and alive nonmotile sperm?

A:-Zona penetration assay

B:-DNA fragmentation index

C:-Hypoosmotic swelling test

D:-Mannose fluorescence assay

Correct Answer:- Option-C

Question87:-Which of the following women does NOT need to be referred to a gynaecologic oncologist?

A:-A 35-year-old women with a complex 7-cm adnexal mass and a cancer antigen 125(CA125) level of 75 U/MI

B:-A 60-year-old women with a complex 7-cm adnexal mass and a CA125 level of 75 U/MI

C:-A 35-year-old women with a complex 7-cm adnexal mass, ascites and a CA125 level of 75 U/MI

D:-A 40-year-old with a complex 7-cm adnexal mass, a CA125 level of 275 U/MI and a liver lesion seen during abdominopelvic computed tomography

Correct Answer:- Option-A

Question88:-A 27-year-old primigravida has failure to progress in the first stage of labour and is commenced on an oxytocin infusion. The resident calls the senior obstetrician because of a suspicious CTG. The woman is found to be 6 cm dilated and fetal blood sampling was done. The sample has a Ph of 7.15. What is the appropriate course of action?

A:-perform an immediate caesarean section

B:-perform an instrumental delivery

C:-reassure the woman that all is well and the labour can continue

D:-repeat the fetal blood sampling in one hour

Correct Answer:- Option-A

Question89:-What percentage of fetuses with trisomy 21 would be expected to be detected by a nuchal translucency scan alone (assuming a 5% false-positive rate)?

A:-10%

B:-25-30%

C:-50-55%

D:-70-75%

Correct Answer:- Option-D

Question90:-The motor supply of the levator ani muscle is derived predominantly

from which spinal segment?

A:-L5

B:-S1

C:-S2

D:-S4

Correct Answer:- Option-D

Question91:-With respect to ECG changes during pregnancy, WRONG statement is?

A:-There is a left axis deviation

B:-May show high-voltage QRS complexes

C:-Ventricular systoles are common

D:-May show depression of the ST segment

Correct Answer:- Option-B

Question92:-The following are true regarding maternal hepatitis C infection.

A:-Caesarean section prevents the risk of transmission to the fetus

B:-Caesarean section reduced the risk of transmission to the fetus

C:-Caesarean section increases the risk of transmission to the fetus

D:-If acute maternal infection occurs in the third trimester, infection is not transmitted to the fetus

Correct Answer:- Option-B

Question93:-What type of joint is formed at the symphysis pubis?

A:-Cartilaginous

B:-Condylloid

C:-Fibrous

D:-Synarthrodial

Correct Answer:- Option-A

Question94:-An obese, but otherwise healthy, 30-year-old woman undergoes an oral glucose tolerance test at 28 weeks of gestation

The results are as follows :

Fasting serum glucose 90 mg/dL

2-hour serum glucose 180 mg/dL

What is the diagnosis?

A:-Diabetic ketoacidosis

B:-Gestational diabetes mellitus

C:-Normal glucose tolerance

D:-Type 1 diabetes mellitus

Correct Answer:- Option-B

Question95:-A woman who has been taking the combined oral contraceptive pill for many years is commenced on phenytoin following a seizure. She then becomes pregnant. Through what mechanism is the contraceptive pill likely to have failed?

A:-Antagonistic effects of phenytoin at the estrogen receptor

B:-Increased renal clearance of the contraceptive pill

C:-Liver enzyme induction by phenytoin

D:-Liver enzyme inhibition by phenytoin

Correct Answer:- Option-C

Question96:-A woman is admitted with threatened preterm labour. Two doses of corticosteroids are administered to promote fetal lung maturity. Over what time period after the second dose are the corticosteroids most effective in reducing respiratory distress syndrome if delivery occurs?

A:-10-15 hours

B:-18-24 hours

C:-24 hours to 7 days

D:-7-10 days

Correct Answer:- Option-C

Question97:-A woman is admitted with threatened preterm labour and is commenced on nifedipine. What is the mechanism of action of Nifedipine?

A:-Calcium channel blocker

B:-GnRH analogue

C:-Oxytocin agonist

D:-Oxytocin antagonist

Correct Answer:- Option-A

Question98:-Regarding laparoscopic entry technique, which type of injury is likely to be reduced by the open (Hasson) technique as opposed to the closed (Veress needle) technique?

A:-Bladder injury

B:-Large bowel injury

C:-Major vessel injury

D:-Small bowel injury

Correct Answer:- Option-C

Question99:-A 21-year-old woman with a new sexual partner attends the Accident and Emergency department with fever, lower abdominal pain and vaginal discharge. She is otherwise well. She is examined and appropriate swabs are taken. A pregnancy test is negative and an ultrasound scan is organised which is unremarkable. What is the appropriate course of action?

A:-Admit to hospital for intravenous antibiotics

B:-Arrange a laparoscopy

C:-Arrange a laparotomy

D:-Commence treatment with antibiotics and manage as an outpatient

Correct Answer:- Option-D

Question100:-The pregnant uterus is viewed as immune privileged. What is the cellular basis for this phenomenon?

A:-Extravillous trophoblasts do not express higher levels of the MHC-1 antigens HLA-A and HLA-B but do express HLA-E and HLA-G

B:-Extravillous trophoblasts express higher levels of the highly polymorphic MHC-1 antigen HLA-G

C:-Extravillous trophoblasts express higher levels of the MHC-1 antigens HLA-A, HLA-B, HLA-C and HLA-G

D:-Syncytiotrophoblasts do not express higher levels of the MHC-1 antigens HLA-A and HLA-B but do express HLA-C and HLA-G

Correct Answer:- Option-A